

**GW – 028**

**2015 AGWMR**

**PART 7 OF 25**

**03 / 2016**

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 08/13/15 16:06 • (LCSD) 08/13/15 16:30

| Analyte                    | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD<br>% | RPD Limits<br>% |
|----------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| Naphthalene                | 0.667                 | 0.402               | 0.397                | 60.3          | 59.4           | 43.4-103         |                      |                       | 1.41     | 20              |
| 2-Nitroaniline             | 0.667                 | 0.450               | 0.460                | 67.5          | 69.0           | 53.8-107         |                      |                       | 2.15     | 20              |
| 3-Nitroaniline             | 0.667                 | 0.382               | 0.397                | 57.3          | 59.6           | 34.7-103         |                      |                       | 3.95     | 20.7            |
| 4-Nitroaniline             | 0.667                 | 0.376               | 0.354                | 56.4          | 53.1           | 38.6-133         |                      |                       | 6.06     | 21.7            |
| Nitrobenzene               | 0.667                 | 0.402               | 0.401                | 60.2          | 60.2           | 40.7-109         |                      |                       | 0.150    | 21              |
| n-Nitrosodimethylamine     | 0.667                 | 0.391               | 0.379                | 58.6          | 56.8           | 18.1-122         |                      |                       | 3.05     | 23.5            |
| n-Nitrosodiphenylamine     | 0.667                 | 0.453               | 0.450                | 67.9          | 67.5           | 48.8-107         |                      |                       | 0.690    | 20              |
| n-Nitrosodi-n-propylamine  | 0.667                 | 0.355               | 0.350                | 53.2          | 52.5           | 43.3-109         |                      |                       | 1.44     | 20              |
| Phenanthrene               | 0.667                 | 0.424               | 0.415                | 63.6          | 62.2           | 51.6-107         |                      |                       | 2.27     | 20              |
| Benzylbutyl phthalate      | 0.667                 | 0.417               | 0.447                | 62.5          | 67.0           | 47.5-115         |                      |                       | 6.90     | 20              |
| Bis(2-ethylhexyl)phthalate | 0.667                 | 0.410               | 0.457                | 61.4          | 68.5           | 48.1-116         |                      |                       | 11.0     | 20.5            |
| Di-n-butyl phthalate       | 0.667                 | 0.419               | 0.420                | 62.7          | 62.9           | 49.7-113         |                      |                       | 0.300    | 20              |
| Diethyl phthalate          | 0.667                 | 0.426               | 0.434                | 63.9          | 65.0           | 52.0-112         |                      |                       | 1.76     | 20              |
| Dimethyl phthalate         | 0.667                 | 0.451               | 0.456                | 67.6          | 68.3           | 51.4-108         |                      |                       | 1.07     | 20              |
| Di-n-octyl phthalate       | 0.667                 | 0.398               | 0.424                | 59.7          | 63.6           | 49.6-112         |                      |                       | 6.42     | 22              |
| Pyrene                     | 0.667                 | 0.440               | 0.464                | 65.9          | 69.5           | 47.1-108         |                      |                       | 5.32     | 20              |
| 4-Chloro-3-methylphenol    | 0.667                 | 0.383               | 0.403                | 57.4          | 60.5           | 51.1-113         |                      |                       | 5.17     | 20              |
| 2-Chlorophenol             | 0.667                 | 0.396               | 0.400                | 59.3          | 59.9           | 40.8-103         |                      |                       | 1.04     | 20              |
| 2-Methylphenol             | 0.667                 | 0.347               | 0.367                | 52.0          | 55.0           | 42.4-100         |                      |                       | 5.52     | 20              |
| 3&4-Methyl Phenol          | 0.667                 | 0.404               | 0.410                | 60.6          | 61.5           | 50.5-115         |                      |                       | 1.35     | 20              |
| 2,4-Dichlorophenol         | 0.667                 | 0.448               | 0.446                | 67.2          | 66.8           | 46.2-109         |                      |                       | 0.530    | 20              |
| 2,4-Dimethylphenol         | 0.667                 | 0.423               | 0.425                | 63.4          | 63.8           | 42.2-110         |                      |                       | 0.530    | 20              |
| 4,6-Dinitro-2-methylphenol | 0.667                 | 0.412               | 0.424                | 61.8          | 63.6           | 23.1-119         |                      |                       | 2.91     | 23.7            |
| 2,4-Dinitrophenol          | 0.667                 | 0.316               | 0.267                | 47.4          | 40.0           | 10.0-105         |                      |                       | 16.7     | 36.5            |
| 2-Nitrophenol              | 0.667                 | 0.442               | 0.450                | 66.2          | 67.5           | 44.2-113         |                      |                       | 1.89     | 20.9            |
| 4-Nitrophenol              | 0.667                 | 0.372               | 0.381                | 55.8          | 57.1           | 34.8-109         |                      |                       | 2.31     | 20              |
| Pentachlorophenol          | 0.667                 | 0.445               | 0.423                | 66.7          | 63.4           | 16.2-102         |                      |                       | 5.07     | 22.9            |
| Phenol                     | 0.667                 | 0.399               | 0.383                | 59.8          | 57.3           | 41.5-106         |                      |                       | 4.15     | 20              |
| 2,4,5-Trichlorophenol      | 0.667                 | 0.488               | 0.484                | 73.2          | 72.6           | 43.3-110         |                      |                       | 0.860    | 20              |
| 2,4,6-Trichlorophenol      | 0.667                 | 0.502               | 0.524                | 75.2          | 78.5           | 44.4-108         |                      |                       | 4.29     | 20              |
| (S) Nitrobenzene-d5        |                       |                     |                      | 59.5          | 51.8           | 21.9-129         |                      |                       |          |                 |
| (S) 2-Fluorobiphenyl       |                       |                     |                      | 66.3          | 58.2           | 34.9-129         |                      |                       |          |                 |
| (S) p-Terphenyl-d14        |                       |                     |                      | 59.6          | 55.1           | 21.5-128         |                      |                       |          |                 |
| (S) Phenol-d5              |                       |                     |                      | 52.6          | 48.8           | 26.3-121         |                      |                       |          |                 |
| (S) 2-Fluorophenol         |                       |                     |                      | 59.1          | 51.6           | 21.1-116         |                      |                       |          |                 |
| (S) 2,4,6-Tribromophenol   |                       |                     |                      | 67.2          | 56.4           | 21.6-142         |                      |                       |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L782431-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/14/15 04:14 • (MS) 08/14/15 04:37 • (MSD) 08/14/15 05:00

| Analyte                     | Spike Amount<br>mg/kg | Original Result<br>mg/kg | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Acenaphthene                | 0.667                 | ND                       | 0.473              | 0.473               | 71.0         | 70.9          | 1        | 32.2-134         |              |               | 0.0900   | 27.3            |
| Acenaphthylene              | 0.667                 | ND                       | 0.448              | 0.471               | 67.2         | 70.7          | 1        | 38.7-129         |              |               | 5.01     | 25.9            |
| Acetophenone                | 0.667                 | ND                       | 0.317              | 0.351               | 47.5         | 52.6          | 1        | 36.3-129         |              |               | 10.2     | 24.7            |
| Anthracene                  | 0.667                 | ND                       | 0.433              | 0.431               | 64.9         | 64.7          | 1        | 32.3-137         |              |               | 0.260    | 28.4            |
| Atrazine                    | 0.667                 | ND                       | 0.481              | 0.453               | 72.1         | 67.9          | 1        | 43.5-143         |              |               | 6.02     | 32              |
| Benzaldehyde                | 0.667                 | ND                       | 0.146              | 0.164               | 22.0         | 24.6          | 1        | 10.0-162         |              |               | 11.5     | 35.4            |
| Benzo(a)anthracene          | 0.667                 | ND                       | 0.437              | 0.461               | 65.5         | 69.2          | 1        | 33.3-124         |              |               | 5.40     | 29              |
| Benzo(b)fluoranthene        | 0.667                 | ND                       | 0.451              | 0.449               | 67.7         | 67.3          | 1        | 23.3-133         |              |               | 0.520    | 30.3            |
| Benzo(k)fluoranthene        | 0.667                 | ND                       | 0.431              | 0.423               | 64.6         | 63.5          | 1        | 31.0-129         |              |               | 1.74     | 26.7            |
| Benzo(g,h,i)perylene        | 0.667                 | ND                       | 0.458              | 0.452               | 68.7         | 67.8          | 1        | 10.0-127         |              |               | 1.22     | 31.9            |
| Benzo(a)pyrene              | 0.667                 | ND                       | 0.440              | 0.429               | 66.0         | 64.3          | 1        | 28.2-128         |              |               | 2.60     | 28.4            |
| Biphenyl                    | 0.667                 | ND                       | 0.481              | 0.513               | 72.1         | 76.9          | 1        | 38.5-118         |              |               | 6.45     | 28.9            |
| Bis(2-chlorethoxy)methane   | 0.667                 | ND                       | 0.347              | 0.382               | 52.0         | 57.3          | 1        | 35.0-132         |              |               | 9.85     | 26.1            |
| Bis(2-chloroethyl)ether     | 0.667                 | ND                       | 0.277              | 0.305               | 41.5         | 45.8          | 1        | 28.8-128         |              |               | 9.82     | 33.6            |
| Bis(2-chloroisopropyl)ether | 0.667                 | ND                       | 0.340              | 0.374               | 50.9         | 56.0          | 1        | 31.8-118         |              |               | 9.54     | 31.7            |
| 4-Bromophenyl-phenylether   | 0.667                 | ND                       | 0.494              | 0.503               | 74.1         | 75.5          | 1        | 39.0-130         |              |               | 1.88     | 26              |
| Caprolactam                 | 0.667                 | ND                       | 0.332              | 0.333               | 49.8         | 50.0          | 1        | 27.0-126         |              |               | 0.360    | 32.8            |
| Carbazole                   | 0.667                 | ND                       | 0.419              | 0.414               | 62.8         | 62.0          | 1        | 43.7-121         |              |               | 1.23     | 26.4            |
| 4-Chloroaniline             | 0.667                 | ND                       | 0.335              | 0.319               | 50.2         | 47.8          | 1        | 10.0-138         |              |               | 4.90     | 28.8            |
| 2-Chloronaphthalene         | 0.667                 | ND                       | 0.471              | 0.502               | 70.6         | 75.2          | 1        | 37.5-123         |              |               | 6.33     | 26.5            |
| 4-Chlorophenyl-phenylether  | 0.667                 | ND                       | 0.452              | 0.472               | 67.7         | 70.8          | 1        | 37.9-123         |              |               | 4.43     | 25.9            |
| Chrysene                    | 0.667                 | ND                       | 0.409              | 0.448               | 61.3         | 67.2          | 1        | 36.3-129         |              |               | 9.15     | 28              |
| Dibenz(a,h)anthracene       | 0.667                 | ND                       | 0.445              | 0.455               | 66.8         | 68.2          | 1        | 10.5-128         |              |               | 2.05     | 29.5            |
| Dibenzofuran                | 0.667                 | ND                       | 0.474              | 0.486               | 71.0         | 72.9          | 1        | 38.8-122         |              |               | 2.61     | 24.6            |
| 3,3-Dichlorobenzidine       | 0.667                 | ND                       | 0.389              | 0.431               | 58.4         | 64.6          | 1        | 10.0-129         |              |               | 10.0     | 40              |
| 2,4-Dinitrotoluene          | 0.667                 | ND                       | 0.459              | 0.465               | 68.8         | 69.7          | 1        | 27.8-147         |              |               | 1.35     | 29.7            |
| 2,6-Dinitrotoluene          | 0.667                 | ND                       | 0.454              | 0.453               | 68.1         | 67.9          | 1        | 36.5-137         |              |               | 0.310    | 29.7            |
| Fluoranthene                | 0.667                 | ND                       | 0.419              | 0.420               | 62.8         | 62.9          | 1        | 27.9-138         |              |               | 0.210    | 26.9            |
| Fluorene                    | 0.667                 | ND                       | 0.463              | 0.481               | 69.4         | 72.1          | 1        | 34.0-133         |              |               | 3.85     | 27.1            |
| Hexachlorobenzene           | 0.667                 | ND                       | 0.469              | 0.460               | 70.4         | 69.0          | 1        | 34.4-116         |              |               | 1.93     | 25.4            |
| Hexachloro-1,3-butadiene    | 0.667                 | ND                       | 0.389              | 0.427               | 58.3         | 64.0          | 1        | 36.5-125         |              |               | 9.31     | 29.7            |
| Hexachlorocyclopentadiene   | 0.667                 | ND                       | 0.188              | 0.198               | 28.2         | 29.6          | 1        | 10.0-124         |              |               | 5.12     | 37.5            |
| Hexachloroethane            | 0.667                 | ND                       | 0.307              | 0.362               | 46.1         | 54.3          | 1        | 11.3-143         |              |               | 16.3     | 31.9            |
| Indeno(1,2,3-cd)pyrene      | 0.667                 | ND                       | 0.461              | 0.479               | 69.2         | 71.8          | 1        | 10.0-128         |              |               | 3.77     | 31.5            |
| Isophorone                  | 0.667                 | ND                       | 0.415              | 0.420               | 62.2         | 62.9          | 1        | 25.7-116         |              |               | 1.18     | 27.7            |
| 1-Methylnaphthalene         | 0.667                 | ND                       | 0.453              | 0.489               | 67.9         | 73.3          | 1        | 37.6-122         |              |               | 7.59     | 26.1            |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

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Gl

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Al

9

Sc

L782431-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/14/15 04:14 • (MS) 08/14/15 04:37 • (MSD) 08/14/15 05:00

| Analyte                    | Spike Amount<br>mg/kg | Original Result<br>mg/kg | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| 2-Methylnaphthalene        | 0.667                 | ND                       | 0.393              | 0.412               | 58.9         | 61.8          | 1        | 28.7-128         |              |               | 4.83     | 30.7            |
| Naphthalene                | 0.667                 | ND                       | 0.396              | 0.436               | 59.4         | 65.4          | 1        | 36.4-121         |              |               | 9.54     | 27.2            |
| 2-Nitroaniline             | 0.667                 | ND                       | 0.470              | 0.497               | 70.5         | 74.5          | 1        | 42.9-133         |              |               | 5.46     | 24              |
| 3-Nitroaniline             | 0.667                 | ND                       | 0.404              | 0.401               | 60.5         | 60.2          | 1        | 22.1-121         |              |               | 0.580    | 33.5            |
| 4-Nitroaniline             | 0.667                 | ND                       | 0.373              | 0.374               | 56.0         | 56.1          | 1        | 27.6-149         |              |               | 0.140    | 33.8            |
| Nitrobenzene               | 0.667                 | ND                       | 0.398              | 0.458               | 59.7         | 68.7          | 1        | 30.9-134         |              |               | 14.1     | 27.8            |
| n-Nitrosodimethylamine     | 0.667                 | ND                       | 0.384              | 0.416               | 57.6         | 62.4          | 1        | 19.2-127         |              |               | 7.97     | 32              |
| n-Nitrosodiphenylamine     | 0.667                 | ND                       | 0.508              | 0.493               | 76.2         | 74.0          | 1        | 26.8-133         |              |               | 2.94     | 25.9            |
| n-Nitrosodi-n-propylamine  | 0.667                 | ND                       | 0.374              | 0.370               | 56.0         | 55.5          | 1        | 33.0-134         |              |               | 1.02     | 28.2            |
| Phenanthrene               | 0.667                 | ND                       | 0.438              | 0.427               | 65.7         | 64.0          | 1        | 30.8-137         |              |               | 2.66     | 26.5            |
| Benzylbutyl phthalate      | 0.667                 | ND                       | 0.392              | 0.424               | 58.8         | 63.5          | 1        | 33.4-128         |              |               | 7.72     | 28.5            |
| Bis(2-ethylhexyl)phthalate | 0.667                 | 0.00569                  | 0.424              | 0.435               | 62.7         | 64.3          | 1        | 21.8-141         |              |               | 2.58     | 35.2            |
| Di-n-butyl phthalate       | 0.667                 | ND                       | 0.397              | 0.392               | 59.5         | 58.8          | 1        | 32.2-133         |              |               | 1.20     | 25.9            |
| Diethyl phthalate          | 0.667                 | ND                       | 0.457              | 0.472               | 68.5         | 70.8          | 1        | 39.4-136         |              |               | 3.24     | 25.5            |
| Dimethyl phthalate         | 0.667                 | ND                       | 0.476              | 0.485               | 71.4         | 72.6          | 1        | 35.8-137         |              |               | 1.78     | 25.4            |
| Di-n-octyl phthalate       | 0.667                 | ND                       | 0.383              | 0.408               | 57.4         | 61.1          | 1        | 28.5-128         |              |               | 6.24     | 32.5            |
| Pyrene                     | 0.667                 | ND                       | 0.444              | 0.474               | 66.5         | 71.0          | 1        | 24.1-130         |              |               | 6.47     | 29.9            |
| 4-Chloro-3-methylphenol    | 0.667                 | ND                       | 0.413              | 0.409               | 61.9         | 61.3          | 1        | 27.0-154         |              |               | 1.00     | 26.6            |
| 2-Chlorophenol             | 0.667                 | ND                       | 0.383              | 0.442               | 57.4         | 66.3          | 1        | 33.2-121         |              |               | 14.4     | 29.3            |
| 2-Methylphenol             | 0.667                 | ND                       | 0.367              | 0.412               | 55.0         | 61.8          | 1        | 30.3-118         |              |               | 11.7     | 25.1            |
| 3&4-Methyl Phenol          | 0.667                 | ND                       | 0.416              | 0.460               | 62.3         | 69.0          | 1        | 33.3-141         |              |               | 10.2     | 25.7            |
| 2,4-Dichlorophenol         | 0.667                 | ND                       | 0.481              | 0.504               | 72.2         | 75.5          | 1        | 34.8-134         |              |               | 4.58     | 27.3            |
| 2,4-Dimethylphenol         | 0.667                 | ND                       | 0.436              | 0.435               | 65.3         | 65.2          | 1        | 12.3-149         |              |               | 0.240    | 32.3            |
| 4,6-Dinitro-2-methylphenol | 0.667                 | ND                       | 0.350              | 0.360               | 52.5         | 54.0          | 1        | 10.0-144         |              |               | 2.67     | 32.7            |
| 2,4-Dinitrophenol          | 0.667                 | ND                       | 0.123              | 0.123               | 18.5         | 18.4          | 1        | 10.0-121         |              |               | 0.360    | 39.4            |
| 2-Nitrophenol              | 0.667                 | ND                       | 0.450              | 0.484               | 67.5         | 72.5          | 1        | 29.5-144         |              |               | 7.20     | 29.9            |
| 4-Nitrophenol              | 0.667                 | ND                       | 0.393              | 0.373               | 58.8         | 55.9          | 1        | 20.0-133         |              |               | 5.20     | 30.2            |
| Pentachlorophenol          | 0.667                 | ND                       | 0.420              | 0.441               | 63.0         | 66.1          | 1        | 10.0-139         |              |               | 4.85     | 28.3            |
| Phenol                     | 0.667                 | 0.00819                  | 0.370              | 0.441               | 54.3         | 64.9          | 1        | 25.1-130         |              |               | 17.5     | 29.6            |
| 2,4,5-Trichlorophenol      | 0.667                 | ND                       | 0.534              | 0.551               | 80.1         | 82.7          | 1        | 37.1-138         |              |               | 3.12     | 26              |
| 2,4,6-Trichlorophenol      | 0.667                 | ND                       | 0.516              | 0.573               | 77.3         | 86.0          | 1        | 33.8-133         |              |               | 10.7     | 28.1            |
| (S) Nitrobenzene-d5        |                       |                          |                    |                     | 58.4         | 68.0          |          | 21.9-129         |              |               |          |                 |
| (S) 2-Fluorobiphenyl       |                       |                          |                    |                     | 69.2         | 73.6          |          | 34.9-129         |              |               |          |                 |
| (S) p-Terphenyl-d14        |                       |                          |                    |                     | 63.8         | 69.0          |          | 21.5-128         |              |               |          |                 |
| (S) Phenol-d5              |                       |                          |                    |                     | 55.1         | 61.7          |          | 26.3-121         |              |               |          |                 |
| (S) 2-Fluorophenol         |                       |                          |                    |                     | 59.0         | 67.8          |          | 21.1-116         |              |               |          |                 |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc





L782431-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/14/15 04:14 • (MS) 08/14/15 04:37 • (MSD) 08/14/15 05:00

| Analyte                  | Spike Amount<br>mg/kg | Original Result<br>mg/kg | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| (S) 2,4,6-Tribromophenol |                       |                          |                    |                     | 71.0         | 77.1          |          | 21.6-142         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



## Abbreviations and Definitions

|                 |                                                                                                                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SDG             | Sample Delivery Group.                                                                                                                                                                                                                                                       |
| MDL             | Method Detection Limit.                                                                                                                                                                                                                                                      |
| RDL             | Reported Detection Limit.                                                                                                                                                                                                                                                    |
| ND,U            | Not detected at the Reporting Limit (or MDL where applicable).                                                                                                                                                                                                               |
| RPD             | Relative Percent Difference.                                                                                                                                                                                                                                                 |
| (dry)           | Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].                                                                                                                                                     |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.                                                                              |
| (S)             | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. |
| Rec.            | Recovery.                                                                                                                                                                                                                                                                    |
| SDL             | Sample Detection Limit.                                                                                                                                                                                                                                                      |
| MQL             | Method Quantitation Limit.                                                                                                                                                                                                                                                   |
| Unadj. MQL      | Unadjusted Method Quantitation Limit.                                                                                                                                                                                                                                        |

## Qualifier      Description

|   |                                                                                     |
|---|-------------------------------------------------------------------------------------|
| 4 | The sample concentration was greater than 4 times the spike value.                  |
| * | LCS/LCSD recovery outside the control limit or RPD value outside the control limit. |
| E | Concentration exceeded calibration range.                                           |
| F | The MS/MSD recovery outside the control limit.                                      |
| J | Estimated value.                                                                    |
| X | Surrogate recovery outside the control limit.                                       |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.

## State Accreditations

|                       |             |                             |                   |
|-----------------------|-------------|-----------------------------|-------------------|
| Alabama               | 40660       | Nevada                      | TN-03-2002-34     |
| Alaska                | UST-080     | New Hampshire               | 2975              |
| Arizona               | AZ0612      | New Jersey–NELAP            | TN002             |
| Arkansas              | 88-0469     | New Mexico                  | TN00003           |
| California            | 01157CA     | New York                    | 11742             |
| Colorado              | TN00003     | North Carolina              | Env375            |
| Connecticut           | PH-0197     | North Carolina <sup>1</sup> | DW21704           |
| Florida               | E87487      | North Carolina <sup>2</sup> | 41                |
| Georgia               | NELAP       | North Dakota                | R-140             |
| Georgia <sup>1</sup>  | 923         | Ohio–VAP                    | CL0069            |
| Idaho                 | TN00003     | Oklahoma                    | 9915              |
| Illinois              | 200008      | Oregon                      | TN200002          |
| Indiana               | C-TN-01     | Pennsylvania                | 68-02979          |
| Iowa                  | 364         | Rhode Island                | 221               |
| Kansas                | E-10277     | South Carolina              | 84004             |
| Kentucky <sup>1</sup> | 90010       | South Dakota                | n/a               |
| Kentucky <sup>2</sup> | 16          | Tennessee <sup>14</sup>     | 2006              |
| Louisiana             | AI30792     | Texas                       | T 104704245-07-TX |
| Maine                 | TN0002      | Texas <sup>5</sup>          | LAB0152           |
| Maryland              | 324         | Utah                        | 6157585858        |
| Massachusetts         | M-TN003     | Vermont                     | VT2006            |
| Michigan              | 9958        | Virginia                    | 109               |
| Minnesota             | 047-999-395 | Washington                  | C1915             |
| Mississippi           | TN00003     | West Virginia               | 233               |
| Missouri              | 340         | Wisconsin                   | 9980939910        |
| Montana               | CERT0086    | Wyoming                     | A2LA              |
| Nebraska              | NE-OS-15-05 |                             |                   |

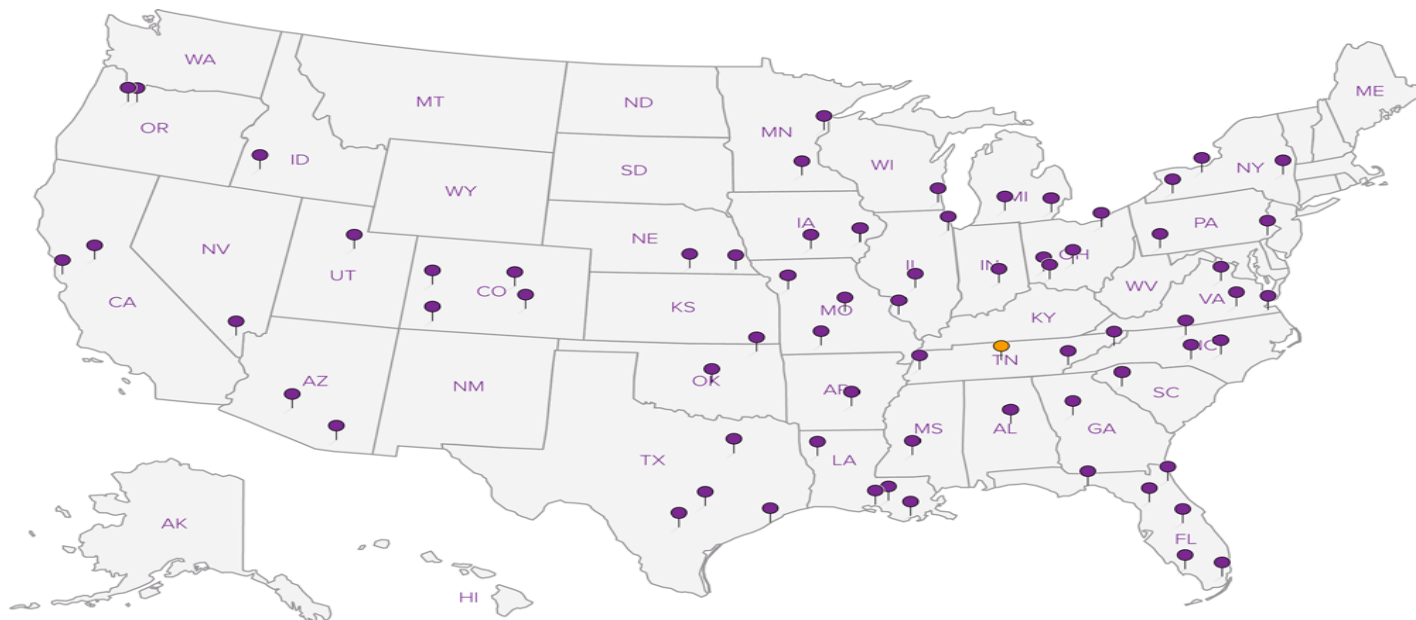
<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>n/a</sup> Accreditation not applicable

## Third Party & Federal Accreditations

|                  |         |      |         |
|------------------|---------|------|---------|
| A2LA – ISO 17025 | 1461.01 | AIHA | 100789  |
| Canada           | 1461.01 | DOD  | 1461.01 |
| EPA–Crypto       | TN00003 | USDA | S-67674 |

## Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**





**Matt Shacklock**

**ESC Lab Sciences**  
**Non-Conformance Form**

|                        |                  |               |                      |
|------------------------|------------------|---------------|----------------------|
| Login # <b>782 V31</b> | Client: ARCADHTX | Date: 8/12/15 | Evaluated by: Matt S |
|------------------------|------------------|---------------|----------------------|

**Non-Conformance (check applicable items)**

| Sample Integrity               | Chain of Custody Clarification                   | If Broken Container:                                 |
|--------------------------------|--------------------------------------------------|------------------------------------------------------|
| Parameter(s) past holding time | Login Clarification Needed                       |                                                      |
| Improper temperature           | Chain of custody is incomplete                   | Insufficient packing material around container       |
| Improper container type        | Please specify Metals requested.                 | Insufficient packing material inside cooler          |
| Improper preservation          | Please specify TCLP requested.                   | Improper handling by carrier (FedEx / UPS / Courier) |
| Insufficient sample volume.    | Received additional samples not listed on coc.   | Sample was frozen                                    |
| Sample is biphasic.            | Sample ids on containers do not match ids on coc | Container lid not intact                             |
| Vials received with headspace. | Trip Blank not received.                         | <b>If no Chain of Custody:</b>                       |
| Broken container               | Client did not "X" analysis.                     | Received by:                                         |
| Broken container:              | Chain of Custody is missing                      | Date/Time:                                           |
| Sufficient sample remains      |                                                  | Temp./Cont. Rec./pH:                                 |
|                                |                                                  | Carrier:                                             |
|                                |                                                  | Tracking#                                            |

**Login Comments: Please clarify which Metals**

|                     |                 |       |            |       |       |
|---------------------|-----------------|-------|------------|-------|-------|
| Client informed by: | Call            | Email | Voice Mail | Date: | Time: |
| TSR Initials:       | Client Contact: |       |            |       |       |

**Login Instructions:**

The metals needed are Sb, As, Ba, Be, Cd, Cr, Co, Pb, Hg, Ni, Se, Ag, V, Zn or Maisha Turner

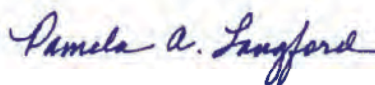
This E-mail and any attached files are confidential, and may be copyright protected. If you are not the addressee, any dissemination of this communication is strictly prohibited. If you have received this message in error, please contact the sender immediately and delete/destroy all information received.

## ARCADIS US - TX

Sample Delivery Group: L782921  
Samples Received: 08/14/2015  
Project Number: TX000836.0008.00004  
Description: Navajo Refining Company - Artesia, NM

Report To: Pam Krueger  
2929 Briarpark Dr., Suite 300  
Houston, TX 77042

Entire Report Reviewed By:



Pam Langford

Pam Langford  
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



|                                                         |           |
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# SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



## MW-137 L782921-01 GW

Collected by  
Eric Bergersen

Collected date/time  
08/13/15 11:00

Received date/time  
08/14/15 09:30

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

| Method                                                  | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|---------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011              | WG809594 | 1        | 08/17/15 13:45        | 08/18/15 12:14     | JER              |
| Mercury by Method 7470A                                 | WG809389 | 1        | 08/16/15 10:05        | 08/17/15 09:35     | CHM              |
| Metals (ICPMS) by Method 6020                           | WG809621 | 1        | 08/19/15 14:49        | 08/25/15 19:41     | VSS              |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG809546 | 20       | 08/18/15 16:50        | 08/21/15 05:11     | ADF              |
| Semi-Volatile Organic Compounds (GC) by Method 8015     | WG809435 | 1        | 08/16/15 00:25        | 08/17/15 22:38     | JNS              |
| Semi-Volatile Organic Compounds (GC) by Method 8015     | WG809435 | 5        | 08/16/15 00:25        | 08/19/15 22:41     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO     | WG809489 | 50       | 08/16/15 09:33        | 08/16/15 09:33     | MCB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B      | WG809451 | 100      | 08/21/15 22:37        | 08/21/15 22:37     | KLO              |
| Volatile Organic Compounds (GC/MS) by Method 8260B      | WG811218 | 100      | 08/25/15 00:05        | 08/25/15 00:05     | KLO              |
| Wet Chemistry by Method 353.2                           | WG809971 | 5        | 08/20/15 15:05        | 08/20/15 15:05     | JAL              |
| Wet Chemistry by Method 9012B                           | WG810735 | 5        | 08/22/15 09:48        | 08/24/15 11:13     | ASK              |
| Wet Chemistry by Method 9056MOD                         | WG809368 | 1        | 08/17/15 22:58        | 08/17/15 22:58     | NJM              |
| Wet Chemistry by Method 9056MOD                         | WG809368 | 100      | 08/17/15 23:27        | 08/17/15 23:27     | NJM              |
| Wet Chemistry by Method 9056MOD                         | WG809880 | 10       | 08/18/15 12:20        | 08/18/15 12:20     | DJD              |

## MW-138 L782921-02 GW

Collected by  
Eric Bergersen

Collected date/time  
08/13/15 10:00

Received date/time  
08/14/15 09:30

| Method                                                  | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|---------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011              | WG809770 | 1        | 08/18/15 12:25        | 08/19/15 13:06     | JER              |
| Mercury by Method 7470A                                 | WG809389 | 1        | 08/16/15 10:05        | 08/17/15 09:38     | CHM              |
| Metals (ICPMS) by Method 6020                           | WG809621 | 1        | 08/19/15 14:49        | 08/25/15 19:44     | VSS              |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG809546 | 1        | 08/18/15 16:50        | 08/21/15 04:24     | ADF              |
| Semi-Volatile Organic Compounds (GC) by Method 8015     | WG809435 | 1        | 08/16/15 00:25        | 08/17/15 22:56     | JNS              |
| Semi-Volatile Organic Compounds (GC) by Method 8015     | WG809435 | 5        | 08/16/15 00:25        | 08/19/15 22:59     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO     | WG809489 | 1        | 08/16/15 09:55        | 08/16/15 09:55     | MCB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B      | WG809451 | 10       | 08/21/15 22:56        | 08/21/15 22:56     | KLO              |
| Volatile Organic Compounds (GC/MS) by Method 8260B      | WG811218 | 100      | 08/25/15 00:24        | 08/25/15 00:24     | KLO              |
| Wet Chemistry by Method 353.2                           | WG809971 | 5        | 08/20/15 15:07        | 08/20/15 15:07     | JAL              |
| Wet Chemistry by Method 9012B                           | WG809259 | 1        | 08/17/15 09:35        | 08/17/15 16:03     | ASK              |
| Wet Chemistry by Method 9056MOD                         | WG809368 | 1        | 08/17/15 23:13        | 08/17/15 23:13     | NJM              |
| Wet Chemistry by Method 9056MOD                         | WG809368 | 100      | 08/17/15 23:42        | 08/17/15 23:42     | NJM              |
| Wet Chemistry by Method 9056MOD                         | WG809880 | 10       | 08/18/15 12:35        | 08/18/15 12:35     | DJD              |

## DUP-01 L782921-03 GW

Collected by  
Eric Bergersen

Collected date/time  
08/13/15 00:00

Received date/time  
08/14/15 09:30

| Method                                                  | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|---------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011              | WG809770 | 1        | 08/18/15 12:25        | 08/19/15 13:06     | JER              |
| Mercury by Method 7470A                                 | WG809389 | 1        | 08/16/15 10:05        | 08/17/15 09:40     | CHM              |
| Metals (ICPMS) by Method 6020                           | WG809621 | 1        | 08/19/15 14:49        | 08/25/15 19:47     | VSS              |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C | WG809546 | 20       | 08/18/15 16:50        | 08/21/15 04:47     | ADF              |
| Semi-Volatile Organic Compounds (GC) by Method 8015     | WG809435 | 1        | 08/16/15 00:25        | 08/17/15 23:14     | JNS              |
| Semi-Volatile Organic Compounds (GC) by Method 8015     | WG809435 | 5        | 08/16/15 00:25        | 08/19/15 23:17     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO     | WG809489 | 100      | 08/16/15 10:17        | 08/16/15 10:17     | MCB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B      | WG809451 | 200      | 08/21/15 23:16        | 08/21/15 23:16     | KLO              |
| Volatile Organic Compounds (GC/MS) by Method 8260B      | WG811218 | 200      | 08/25/15 00:44        | 08/25/15 00:44     | KLO              |
| Wet Chemistry by Method 353.2                           | WG809971 | 10       | 08/20/15 15:08        | 08/20/15 15:08     | JAL              |
| Wet Chemistry by Method 9012B                           | WG810217 | 5        | 08/20/15 08:44        | 08/20/15 11:35     | ASK              |
| Wet Chemistry by Method 9056MOD                         | WG809368 | 1        | 08/17/15 22:44        | 08/17/15 22:44     | NJM              |
| Wet Chemistry by Method 9056MOD                         | WG809368 | 100      | 08/17/15 23:56        | 08/17/15 23:56     | NJM              |
| Wet Chemistry by Method 9056MOD                         | WG809880 | 1        | 08/18/15 12:51        | 08/18/15 12:51     | DJD              |





All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the

---

Pam Langford

Pam Langford  
Technical Service Representative

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|------------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                  | mg/l   |           | mg/l | mg/l |          | date / time      |                          |
| Dissolved Solids | 4380   |           | 2.82 | 10.0 | 1        | 08/18/2015 12:14 | <a href="#">WG809594</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL    | RDL   | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|--------|-------|----------|------------------|--------------------------|
|                 | mg/l   |           | mg/l   | mg/l  |          | date / time      |                          |
| Nitrate-Nitrite | 0.107  | J         | 0.0985 | 0.500 | 5        | 08/20/2015 15:05 | <a href="#">WG809971</a> |

## Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL     | RDL    | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|---------|--------|----------|------------------|--------------------------|
|         | mg/l   |           | mg/l    | mg/l   |          | date / time      |                          |
| Cyanide | U      |           | 0.00900 | 0.0250 | 5        | 08/24/2015 11:13 | <a href="#">WG810735</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL     | RDL   | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|---------|-------|----------|------------------|--------------------------|
|          | mg/l   |           | mg/l    | mg/l  |          | date / time      |                          |
| Chloride | 410    |           | 5.19    | 100   | 100      | 08/17/2015 23:27 | <a href="#">WG809368</a> |
| Fluoride | 1.39   |           | 0.00990 | 0.100 | 1        | 08/17/2015 22:58 | <a href="#">WG809368</a> |
| Sulfate  | 655    |           | 0.774   | 50.0  | 10       | 08/18/2015 12:20 | <a href="#">WG809880</a> |

## Mercury by Method 7470A

| Analyte | Result | Qualifier | MDL       | RDL      | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|-----------|----------|----------|------------------|--------------------------|
|         | mg/l   |           | mg/l      | mg/l     |          | date / time      |                          |
| Mercury | U      |           | 0.0000490 | 0.000200 | 1        | 08/17/2015 09:35 | <a href="#">WG809389</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result  | Qualifier | MDL      | RDL     | Dilution | Analysis         | Batch                    |
|-----------|---------|-----------|----------|---------|----------|------------------|--------------------------|
|           | mg/l    |           | mg/l     | mg/l    |          | date / time      |                          |
| Antimony  | 0.00122 | J         | 0.000210 | 0.00200 | 1        | 08/25/2015 19:41 | <a href="#">WG809621</a> |
| Arsenic   | 0.0290  |           | 0.000250 | 0.00200 | 1        | 08/25/2015 19:41 | <a href="#">WG809621</a> |
| Barium    | 0.0701  |           | 0.000360 | 0.00500 | 1        | 08/25/2015 19:41 | <a href="#">WG809621</a> |
| Beryllium | U       |           | 0.000120 | 0.00200 | 1        | 08/25/2015 19:41 | <a href="#">WG809621</a> |
| Cadmium   | U       |           | 0.000160 | 0.00100 | 1        | 08/25/2015 19:41 | <a href="#">WG809621</a> |
| Chromium  | 0.00107 | J         | 0.000540 | 0.00200 | 1        | 08/25/2015 19:41 | <a href="#">WG809621</a> |
| Cobalt    | U       |           | 0.000260 | 0.00200 | 1        | 08/25/2015 19:41 | <a href="#">WG809621</a> |
| Lead      | 0.00328 |           | 0.000240 | 0.00200 | 1        | 08/25/2015 19:41 | <a href="#">WG809621</a> |
| Nickel    | 0.00623 |           | 0.000350 | 0.00200 | 1        | 08/25/2015 19:41 | <a href="#">WG809621</a> |
| Selenium  | 0.00336 |           | 0.000380 | 0.00200 | 1        | 08/25/2015 19:41 | <a href="#">WG809621</a> |
| Silver    | U       |           | 0.000310 | 0.00200 | 1        | 08/25/2015 19:41 | <a href="#">WG809621</a> |
| Vanadium  | 0.00577 |           | 0.000180 | 0.00500 | 1        | 08/25/2015 19:41 | <a href="#">WG809621</a> |
| Zinc      | 0.00332 | J         | 0.00256  | 0.0250  | 1        | 08/25/2015 19:41 | <a href="#">WG809621</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | mg/l   |           | mg/l | mg/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 19.9   |           | 1.57 | 5.00     | 50       | 08/16/2015 09:33 | <a href="#">WG809489</a> |
| (S) a,a,a-Trifluorotoluene(FID) 97.2 |        |           |      | 62.0-128 |          | 08/16/2015 09:33 | <a href="#">WG809489</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>mg/l | Qualifier | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| Acetone                     | U              |           | 1.00        | 5.00        | 100      | 08/21/2015 22:37        | WG809451 |
| Benzene                     | 9.24           |           | 0.0331      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| Bromodichloromethane        | U              |           | 0.0380      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| Bromoform                   | U              |           | 0.0469      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| Bromomethane                | U              |           | 0.0866      | 0.500       | 100      | 08/21/2015 22:37        | WG809451 |
| n-Butylbenzene              | U              |           | 0.0361      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| sec-Butylbenzene            | U              |           | 0.0365      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| Carbon disulfide            | 0.0314         | L         | 0.0275      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| Carbon tetrachloride        | U              |           | 0.0379      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| Chlorobenzene               | U              |           | 0.0348      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| Chlorodibromomethane        | U              |           | 0.0327      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| Chloroethane                | U              |           | 0.0453      | 0.500       | 100      | 08/21/2015 22:37        | WG809451 |
| Chloroform                  | U              |           | 0.0324      | 0.500       | 100      | 08/21/2015 22:37        | WG809451 |
| Chloromethane               | U              |           | 0.0276      | 0.250       | 100      | 08/21/2015 22:37        | WG809451 |
| 1,2-Dibromoethane           | U              |           | 0.0381      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| 1,1-Dichloroethane          | U              |           | 0.0259      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| 1,2-Dichloroethane          | U              |           | 0.0361      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| 1,1-Dichloroethene          | U              |           | 0.0398      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| cis-1,2-Dichloroethene      | U              |           | 0.0260      | 0.100       | 100      | 08/25/2015 00:05        | WG811218 |
| trans-1,2-Dichloroethene    | U              |           | 0.0396      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| 1,2-Dichloropropane         | U              |           | 0.0306      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| cis-1,3-Dichloropropene     | U              |           | 0.0418      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| trans-1,3-Dichloropropene   | U              |           | 0.0419      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| Ethylbenzene                | 1.32           |           | 0.0384      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| Isopropylbenzene            | 0.0875         | L         | 0.0326      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| p-Isopropyltoluene          | U              |           | 0.0350      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| 2-Butanone (MEK)            | U              |           | 0.393       | 1.00        | 100      | 08/21/2015 22:37        | WG809451 |
| 2-Hexanone                  | U              |           | 0.382       | 1.00        | 100      | 08/21/2015 22:37        | WG809451 |
| Methylene Chloride          | U              |           | 0.100       | 0.500       | 100      | 08/21/2015 22:37        | WG809451 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 0.214       | 1.00        | 100      | 08/21/2015 22:37        | WG809451 |
| Methyl tert-butyl ether     | 0.0789         | L         | 0.0367      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| Naphthalene                 | 0.238          | L         | 0.100       | 0.500       | 100      | 08/21/2015 22:37        | WG809451 |
| n-Propylbenzene             | 0.107          |           | 0.0349      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| Styrene                     | U              |           | 0.0307      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.0385      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.0130      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| Tetrachloroethene           | U              |           | 0.0372      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| Toluene                     | 1.58           |           | 0.0780      | 0.500       | 100      | 08/21/2015 22:37        | WG809451 |
| 1,1,1-Trichloroethane       | U              |           | 0.0319      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| 1,1,2-Trichloroethane       | U              |           | 0.0383      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| Trichloroethene             | U              |           | 0.0398      | 0.100       | 100      | 08/25/2015 00:05        | WG811218 |
| 1,2,4-Trimethylbenzene      | 0.333          |           | 0.0373      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| 1,3,5-Trimethylbenzene      | 0.0731         | L         | 0.0387      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| Vinyl chloride              | U              |           | 0.0259      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| o-Xylene                    | 0.363          |           | 0.0341      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| m&p-Xylene                  | 0.587          |           | 0.0719      | 0.100       | 100      | 08/21/2015 22:37        | WG809451 |
| Xylenes, Total              | 0.950          |           | 0.106       | 0.300       | 100      | 08/21/2015 22:37        | WG809451 |
| (S) Toluene-d8              | 101            |           |             | 90.0-115    |          | 08/21/2015 22:37        | WG809451 |
| (S) Dibromofluoromethane    | 89.1           |           |             | 79.0-121    |          | 08/21/2015 22:37        | WG809451 |
| (S) 4-Bromofluorobenzene    | 103            |           |             | 80.1-120    |          | 08/21/2015 22:37        | WG809451 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result<br>mg/l | Qualifier | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| C10-C28 Diesel Range | 12.1           |           | 0.111       | 0.500       | 5        | 08/19/2015 22:41        | WG809435 |
| C28-C40 Oil Range    | 1.22           |           | 0.0118      | 0.100       | 1        | 08/17/2015 22:38        | WG809435 |

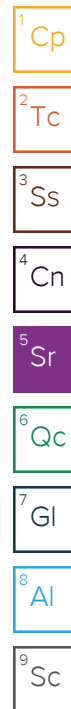


## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte         | Result<br>mg/l | Qualifier | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| (S) o-Terphenyl | 95.6           |           |             | 50.0-150    |          | 08/17/2015 22:38        | WG809435 |

## Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte                     | Result<br>mg/l | Qualifier | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| Acenaphthene                | U              |           | 0.00632     | 0.0200      | 20       | 08/21/2015 05:11        | WG809546 |
| Acenaphthylene              | U              |           | 0.00618     | 0.0200      | 20       | 08/21/2015 05:11        | WG809546 |
| Acetophenone                | U              |           | 0.0542      | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| Anthracene                  | U              |           | 0.00582     | 0.0200      | 20       | 08/21/2015 05:11        | WG809546 |
| Atrazine                    | U              |           | 0.00520     | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| Benzaldehyde                | U              |           | 0.0280      | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| Benzo(a)anthracene          | U              |           | 0.00194     | 0.0200      | 20       | 08/21/2015 05:11        | WG809546 |
| Benzo(b)fluoranthene        | U              |           | 0.00178     | 0.0200      | 20       | 08/21/2015 05:11        | WG809546 |
| Benzo(g,h,i)perylene        | U              |           | 0.00322     | 0.0200      | 20       | 08/21/2015 05:11        | WG809546 |
| Benzo(k)fluoranthene        | U              |           | 0.00710     | 0.0200      | 20       | 08/21/2015 05:11        | WG809546 |
| Bis(2-chloroethyl)ether     | U              |           | 0.0324      | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| Bis(2-chlorethoxy)methane   | U              |           | 0.00658     | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| Bis(2-chloroisopropyl)ether | U              |           | 0.00890     | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| Bis(2-Ethylhexyl)phthalate  | U              |           | 0.0142      | 0.0600      | 20       | 08/21/2015 05:11        | WG809546 |
| Benzylbutyl phthalate       | U              |           | 0.0142      | 0.0600      | 20       | 08/21/2015 05:11        | WG809546 |
| Benzo(a)pyrene              | U              |           | 0.00680     | 0.0200      | 20       | 08/21/2015 05:11        | WG809546 |
| Biphenyl                    | U              |           | 0.00650     | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| 4-Bromophenyl-phenylether   | U              |           | 0.00670     | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| 4-Chlorophenyl-phenylether  | U              |           | 0.00606     | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| Caprolactam                 | U              |           | 0.0518      | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| Carbazole                   | 0.00833        | U         | 0.00520     | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| Chrysene                    | U              |           | 0.00664     | 0.0200      | 20       | 08/21/2015 05:11        | WG809546 |
| 2-Chloronaphthalene         | U              |           | 0.00660     | 0.0200      | 20       | 08/21/2015 05:11        | WG809546 |
| 2-Chlorophenol              | U              |           | 0.00566     | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| Dibenz(a,h)anthracene       | U              |           | 0.00558     | 0.0200      | 20       | 08/21/2015 05:11        | WG809546 |
| Dibenzofuran                | 0.00694        | U         | 0.00678     | 0.0200      | 20       | 08/21/2015 05:11        | WG809546 |
| 3,3-Dichlorobenzidine       | U              |           | 0.0404      | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| Diethyl phthalate           | U              |           | 0.00564     | 0.0600      | 20       | 08/21/2015 05:11        | WG809546 |
| Dimethyl phthalate          | U              |           | 0.00566     | 0.0600      | 20       | 08/21/2015 05:11        | WG809546 |
| Di-n-butyl phthalate        | U              |           | 0.00532     | 0.0600      | 20       | 08/21/2015 05:11        | WG809546 |
| Di-n-octyl phthalate        | U              |           | 0.00556     | 0.0600      | 20       | 08/21/2015 05:11        | WG809546 |
| 2,4-Dichlorophenol          | U              |           | 0.00568     | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| 4-Chloro-3-methylphenol     | U              |           | 0.00526     | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| 4,6-Dinitro-2-methylphenol  | U              |           | 0.0524      | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| 2,4-Dimethylphenol          | 0.0148         | U         | 0.0125      | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| 2,4-Dinitrophenol           | U              |           | 0.0650      | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| 2,4-Dinitrotoluene          | U              |           | 0.0330      | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| 2,6-Dinitrotoluene          | U              |           | 0.0558      | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| Fluoranthene                | U              |           | 0.00620     | 0.0200      | 20       | 08/21/2015 05:11        | WG809546 |
| Fluorene                    | U              |           | 0.00646     | 0.0200      | 20       | 08/21/2015 05:11        | WG809546 |
| Hexachloro-1,3-butadiene    | U              |           | 0.00658     | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| Hexachlorobenzene           | U              |           | 0.00682     | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| Hexachlorocyclopentadiene   | U              |           | 0.0466      | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| Hexachloroethane            | U              |           | 0.0730      | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| Indeno(1,2,3-cd)pyrene      | U              |           | 0.00558     | 0.0200      | 20       | 08/21/2015 05:11        | WG809546 |
| Isophorone                  | U              |           | 0.00544     | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| 1-Methylnaphthalene         | 0.0560         |           | 0.00664     | 0.0200      | 20       | 08/21/2015 05:11        | WG809546 |
| 2-Methylnaphthalene         | 0.0490         |           | 0.00622     | 0.0200      | 20       | 08/21/2015 05:11        | WG809546 |
| Naphthalene                 | 0.115          |           | 0.00744     | 0.0200      | 20       | 08/21/2015 05:11        | WG809546 |
| 2-Methylphenol              | U              |           | 0.00624     | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |
| 3&4-Methyl Phenol           | U              |           | 0.00532     | 0.200       | 20       | 08/21/2015 05:11        | WG809546 |





Collected date/time: 08/13/15 11:00

L782921

## Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte                   | Result<br>mg/l | Qualifier | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch                    | <sup>1</sup> Cp |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|-----------------|
| Nitrobenzene              | U              |           | 0.00734     | 0.200       | 20       | 08/21/2015 05:11        | <a href="#">WG809546</a> | <sup>2</sup> Tc |
| 2-Nitroaniline            | U              |           | 0.0380      | 0.200       | 20       | 08/21/2015 05:11        | <a href="#">WG809546</a> | <sup>3</sup> Ss |
| 3-Nitroaniline            | U              |           | 0.00616     | 0.200       | 20       | 08/21/2015 05:11        | <a href="#">WG809546</a> | <sup>4</sup> Cn |
| 4-Nitroaniline            | U              |           | 0.00698     | 0.200       | 20       | 08/21/2015 05:11        | <a href="#">WG809546</a> | <sup>5</sup> Sr |
| Pentachlorophenol         | U              |           | 0.00626     | 0.0200      | 20       | 08/21/2015 05:11        | <a href="#">WG809546</a> | <sup>6</sup> Qc |
| Phenanthrene              | U              |           | 0.00732     | 0.0200      | 20       | 08/21/2015 05:11        | <a href="#">WG809546</a> | <sup>7</sup> Gl |
| n-Nitrosodi-n-propylamine | U              |           | 0.00806     | 0.200       | 20       | 08/21/2015 05:11        | <a href="#">WG809546</a> | <sup>8</sup> Al |
| n-Nitrosodiphenylamine    | U              |           | 0.00608     | 0.200       | 20       | 08/21/2015 05:11        | <a href="#">WG809546</a> | <sup>9</sup> Sc |
| Phenol                    | U              |           | 0.00668     | 0.200       | 20       | 08/21/2015 05:11        | <a href="#">WG809546</a> |                 |
| 2-Nitrophenol             | U              |           | 0.00640     | 0.200       | 20       | 08/21/2015 05:11        | <a href="#">WG809546</a> |                 |
| 4-Nitrophenol             | U              |           | 0.0402      | 0.200       | 20       | 08/21/2015 05:11        | <a href="#">WG809546</a> |                 |
| 4-Chloroaniline           | U              |           | 0.00764     | 0.200       | 20       | 08/21/2015 05:11        | <a href="#">WG809546</a> |                 |
| Pyrene                    | U              |           | 0.00660     | 0.0200      | 20       | 08/21/2015 05:11        | <a href="#">WG809546</a> |                 |
| 2,4,5-Trichlorophenol     | U              |           | 0.00432     | 0.200       | 20       | 08/21/2015 05:11        | <a href="#">WG809546</a> |                 |
| (S) 2,4,6-Tribromophenol  | 157            | X         |             | 11.2-130    |          | 08/21/2015 05:11        | <a href="#">WG809546</a> |                 |
| (S) 2-Fluorophenol        | 35.3           | X         |             | 10.0-77.9   |          | 08/21/2015 05:11        | <a href="#">WG809546</a> |                 |
| (S) Phenol-d5             | 43.8           | X         |             | 5.00-70.1   |          | 08/21/2015 05:11        | <a href="#">WG809546</a> |                 |
| (S) Nitrobenzene-d5       | 69.2           | X         |             | 21.8-123    |          | 08/21/2015 05:11        | <a href="#">WG809546</a> |                 |
| (S) 2-Fluorobiphenyl      | 82.2           | X         |             | 29.5-131    |          | 08/21/2015 05:11        | <a href="#">WG809546</a> |                 |
| (S) p-Terphenyl-d14       | 96.7           | X         |             | 29.3-137    |          | 08/21/2015 05:11        | <a href="#">WG809546</a> |                 |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|------------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                  | mg/l   |           | mg/l | mg/l |          | date / time      |                          |
| Dissolved Solids | 2600   |           | 2.82 | 10.0 | 1        | 08/19/2015 13:06 | <a href="#">WG809770</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL    | RDL   | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|--------|-------|----------|------------------|--------------------------|
|                 | mg/l   |           | mg/l   | mg/l  |          | date / time      |                          |
| Nitrate-Nitrite | 0.179  | J         | 0.0985 | 0.500 | 5        | 08/20/2015 15:07 | <a href="#">WG809971</a> |

## Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL     | RDL     | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|---------|---------|----------|------------------|--------------------------|
|         | mg/l   |           | mg/l    | mg/l    |          | date / time      |                          |
| Cyanide | U      | F         | 0.00180 | 0.00500 | 1        | 08/17/2015 16:03 | <a href="#">WG809259</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL     | RDL   | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|---------|-------|----------|------------------|--------------------------|
|          | mg/l   |           | mg/l    | mg/l  |          | date / time      |                          |
| Chloride | 528    |           | 5.19    | 100   | 100      | 08/17/2015 23:42 | <a href="#">WG809368</a> |
| Fluoride | 1.22   |           | 0.00990 | 0.100 | 1        | 08/17/2015 23:13 | <a href="#">WG809368</a> |
| Sulfate  | 257    |           | 0.774   | 50.0  | 10       | 08/18/2015 12:35 | <a href="#">WG809880</a> |

## Mercury by Method 7470A

| Analyte | Result | Qualifier | MDL       | RDL      | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|-----------|----------|----------|------------------|--------------------------|
|         | mg/l   |           | mg/l      | mg/l     |          | date / time      |                          |
| Mercury | U      |           | 0.0000490 | 0.000200 | 1        | 08/17/2015 09:38 | <a href="#">WG809389</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result   | Qualifier | MDL      | RDL     | Dilution | Analysis         | Batch                    |
|-----------|----------|-----------|----------|---------|----------|------------------|--------------------------|
|           | mg/l     |           | mg/l     | mg/l    |          | date / time      |                          |
| Antimony  | 0.000437 | J         | 0.000210 | 0.00200 | 1        | 08/25/2015 19:44 | <a href="#">WG809621</a> |
| Arsenic   | 0.0143   |           | 0.000250 | 0.00200 | 1        | 08/25/2015 19:44 | <a href="#">WG809621</a> |
| Barium    | 0.207    |           | 0.000360 | 0.00500 | 1        | 08/25/2015 19:44 | <a href="#">WG809621</a> |
| Beryllium | U        |           | 0.000120 | 0.00200 | 1        | 08/25/2015 19:44 | <a href="#">WG809621</a> |
| Cadmium   | U        |           | 0.000160 | 0.00100 | 1        | 08/25/2015 19:44 | <a href="#">WG809621</a> |
| Chromium  | 0.000971 | J         | 0.000540 | 0.00200 | 1        | 08/25/2015 19:44 | <a href="#">WG809621</a> |
| Cobalt    | 0.000561 | J         | 0.000260 | 0.00200 | 1        | 08/25/2015 19:44 | <a href="#">WG809621</a> |
| Lead      | 0.000551 | J         | 0.000240 | 0.00200 | 1        | 08/25/2015 19:44 | <a href="#">WG809621</a> |
| Nickel    | 0.00364  |           | 0.000350 | 0.00200 | 1        | 08/25/2015 19:44 | <a href="#">WG809621</a> |
| Selenium  | 0.000962 | J         | 0.000380 | 0.00200 | 1        | 08/25/2015 19:44 | <a href="#">WG809621</a> |
| Silver    | U        |           | 0.000310 | 0.00200 | 1        | 08/25/2015 19:44 | <a href="#">WG809621</a> |
| Vanadium  | 0.00271  | J         | 0.000180 | 0.00500 | 1        | 08/25/2015 19:44 | <a href="#">WG809621</a> |
| Zinc      | 0.00308  | J         | 0.00256  | 0.0250  | 1        | 08/25/2015 19:44 | <a href="#">WG809621</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL    | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|--------|----------|----------|------------------|--------------------------|
|                                      | mg/l   |           | mg/l   | mg/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 7.25   |           | 0.0314 | 0.100    | 1        | 08/16/2015 09:55 | <a href="#">WG809489</a> |
| (S) a,a,a-Trifluorotoluene(FID) 86.9 |        |           |        | 62.0-128 |          | 08/16/2015 09:55 | <a href="#">WG809489</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>mg/l | Qualifier | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| Acetone                     | U              |           | 0.100       | 0.500       | 10       | 08/21/2015 22:56        | WG809451 |
| Benzene                     | 2.78           |           | 0.0331      | 0.100       | 100      | 08/25/2015 00:24        | WG811218 |
| Bromodichloromethane        | U              |           | 0.00380     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| Bromoform                   | U              |           | 0.00469     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| Bromomethane                | U              |           | 0.00866     | 0.0500      | 10       | 08/21/2015 22:56        | WG809451 |
| n-Butylbenzene              | 0.00914        | U         | 0.00361     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| sec-Butylbenzene            | 0.0154         |           | 0.00365     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| Carbon disulfide            | U              |           | 0.00275     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| Carbon tetrachloride        | U              |           | 0.00379     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| Chlorobenzene               | U              |           | 0.00348     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| Chlorodibromomethane        | U              |           | 0.00327     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| Chloroethane                | U              |           | 0.00453     | 0.0500      | 10       | 08/21/2015 22:56        | WG809451 |
| Chloroform                  | U              |           | 0.00324     | 0.0500      | 10       | 08/21/2015 22:56        | WG809451 |
| Chloromethane               | U              |           | 0.00276     | 0.0250      | 10       | 08/21/2015 22:56        | WG809451 |
| 1,2-Dibromoethane           | U              |           | 0.00381     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| 1,1-Dichloroethane          | U              |           | 0.00259     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| 1,2-Dichloroethane          | U              |           | 0.00361     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| 1,1-Dichloroethene          | U              |           | 0.00398     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| cis-1,2-Dichloroethene      | U              |           | 0.0260      | 0.100       | 100      | 08/25/2015 00:24        | WG811218 |
| trans-1,2-Dichloroethene    | U              |           | 0.00396     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| 1,2-Dichloropropane         | U              |           | 0.00306     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| cis-1,3-Dichloropropene     | U              |           | 0.00418     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| trans-1,3-Dichloropropene   | U              |           | 0.00419     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| Ethylbenzene                | 1.05           |           | 0.00384     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| Isopropylbenzene            | 0.0953         |           | 0.00326     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| p-Isopropyltoluene          | 0.00376        | U         | 0.00350     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| 2-Butanone (MEK)            | U              |           | 0.0393      | 0.100       | 10       | 08/21/2015 22:56        | WG809451 |
| 2-Hexanone                  | U              |           | 0.0382      | 0.100       | 10       | 08/21/2015 22:56        | WG809451 |
| Methylene Chloride          | U              |           | 0.0100      | 0.0500      | 10       | 08/21/2015 22:56        | WG809451 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 0.0214      | 0.100       | 10       | 08/21/2015 22:56        | WG809451 |
| Methyl tert-butyl ether     | 0.0610         |           | 0.00367     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| Naphthalene                 | 0.163          |           | 0.0100      | 0.0500      | 10       | 08/21/2015 22:56        | WG809451 |
| n-Propylbenzene             | 0.130          |           | 0.00349     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| Styrene                     | U              |           | 0.00307     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.00385     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.00130     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| Tetrachloroethene           | U              |           | 0.00372     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| Toluene                     | 0.0462         | U         | 0.00780     | 0.0500      | 10       | 08/21/2015 22:56        | WG809451 |
| 1,1,1-Trichloroethane       | U              |           | 0.00319     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| 1,1,2-Trichloroethane       | U              |           | 0.00383     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| Trichloroethene             | U              |           | 0.0398      | 0.100       | 100      | 08/25/2015 00:24        | WG811218 |
| 1,2,4-Trimethylbenzene      | 0.141          |           | 0.00373     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| 1,3,5-Trimethylbenzene      | 0.0331         |           | 0.00387     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| Vinyl chloride              | U              |           | 0.00259     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| o-Xylene                    | 0.0224         |           | 0.00341     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| m&p-Xylene                  | 0.264          |           | 0.00719     | 0.0100      | 10       | 08/21/2015 22:56        | WG809451 |
| Xylenes, Total              | 0.286          |           | 0.0106      | 0.0300      | 10       | 08/21/2015 22:56        | WG809451 |
| (S) Toluene-d8              | 101            |           |             | 90.0-115    |          | 08/21/2015 22:56        | WG809451 |
| (S) Dibromofluoromethane    | 86.7           |           |             | 79.0-121    |          | 08/21/2015 22:56        | WG809451 |
| (S) 4-Bromofluorobenzene    | 103            |           |             | 80.1-120    |          | 08/21/2015 22:56        | WG809451 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result<br>mg/l | Qualifier | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| C10-C28 Diesel Range | 17.6           |           | 0.111       | 0.500       | 5        | 08/19/2015 22:59        | WG809435 |
| C28-C40 Oil Range    | 1.76           |           | 0.0118      | 0.100       | 1        | 08/17/2015 22:56        | WG809435 |



## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte         | Result<br>mg/l | Qualifier | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| (S) o-Terphenyl | 97.9           |           |             | 50.0-150    |          | 08/17/2015 22:56        | WG809435 |

## Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte                     | Result<br>mg/l | Qualifier | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| Acenaphthene                | 0.00188        |           | 0.000316    | 0.00100     | 1        | 08/21/2015 04:24        | WG809546 |
| Acenaphthylene              | 0.000525       | U         | 0.000309    | 0.00100     | 1        | 08/21/2015 04:24        | WG809546 |
| Acetophenone                | 0.00579        | U         | 0.00271     | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| Anthracene                  | U              |           | 0.000291    | 0.00100     | 1        | 08/21/2015 04:24        | WG809546 |
| Atrazine                    | U              |           | 0.000260    | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| Benzaldehyde                | U              |           | 0.00140     | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| Benzo(a)anthracene          | U              |           | 0.0000970   | 0.00100     | 1        | 08/21/2015 04:24        | WG809546 |
| Benzo(b)fluoranthene        | U              |           | 0.0000890   | 0.00100     | 1        | 08/21/2015 04:24        | WG809546 |
| Benzo(g,h,i)perylene        | U              |           | 0.000161    | 0.00100     | 1        | 08/21/2015 04:24        | WG809546 |
| Benzo(k)fluoranthene        | U              |           | 0.000355    | 0.00100     | 1        | 08/21/2015 04:24        | WG809546 |
| Bis(2-chloroethyl)ether     | U              |           | 0.00162     | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| Bis(2-chlorethoxy)methane   | U              |           | 0.000329    | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| Bis(2-chloroisopropyl)ether | U              |           | 0.000445    | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| Bis(2-Ethylhexyl)phthalate  | 0.000852       | U         | 0.000709    | 0.00300     | 1        | 08/21/2015 04:24        | WG809546 |
| Benzylbutyl phthalate       | U              |           | 0.000709    | 0.00300     | 1        | 08/21/2015 04:24        | WG809546 |
| Benzo(a)pyrene              | U              |           | 0.000340    | 0.00100     | 1        | 08/21/2015 04:24        | WG809546 |
| Biphenyl                    | 0.00335        | U         | 0.000325    | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| 4-Bromophenyl-phenylether   | U              |           | 0.000335    | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| 4-Chlorophenyl-phenylether  | U              |           | 0.000303    | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| Caprolactam                 | U              |           | 0.00259     | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| Carbazole                   | 0.00467        | U         | 0.000260    | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| Chrysene                    | U              |           | 0.000332    | 0.00100     | 1        | 08/21/2015 04:24        | WG809546 |
| 2-Chloronaphthalene         | U              |           | 0.000330    | 0.00100     | 1        | 08/21/2015 04:24        | WG809546 |
| 2-Chlorophenol              | U              |           | 0.000283    | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| Dibenz(a,h)anthracene       | U              |           | 0.000279    | 0.00100     | 1        | 08/21/2015 04:24        | WG809546 |
| Dibenzofuran                | 0.00379        |           | 0.000339    | 0.00100     | 1        | 08/21/2015 04:24        | WG809546 |
| 3,3-Dichlorobenzidine       | U              |           | 0.00202     | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| Diethyl phthalate           | 0.000794       | U         | 0.000282    | 0.00300     | 1        | 08/21/2015 04:24        | WG809546 |
| Dimethyl phthalate          | 0.000497       | U         | 0.000283    | 0.00300     | 1        | 08/21/2015 04:24        | WG809546 |
| Di-n-butyl phthalate        | 0.000834       | U         | 0.000266    | 0.00300     | 1        | 08/21/2015 04:24        | WG809546 |
| Di-n-octyl phthalate        | 0.000372       | U         | 0.000278    | 0.00300     | 1        | 08/21/2015 04:24        | WG809546 |
| 2,4-Dichlorophenol          | U              |           | 0.000284    | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| 4-Chloro-3-methylphenol     | U              |           | 0.000263    | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| 4,6-Dinitro-2-methylphenol  | U              |           | 0.00262     | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| 2,4-Dimethylphenol          | 0.00422        | U         | 0.000624    | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| 2,4-Dinitrophenol           | U              |           | 0.00325     | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| 2,4-Dinitrotoluene          | U              |           | 0.00165     | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| 2,6-Dinitrotoluene          | U              |           | 0.00279     | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| Fluoranthene                | U              |           | 0.000310    | 0.00100     | 1        | 08/21/2015 04:24        | WG809546 |
| Fluorene                    | 0.00327        |           | 0.000323    | 0.00100     | 1        | 08/21/2015 04:24        | WG809546 |
| Hexachloro-1,3-butadiene    | U              |           | 0.000329    | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| Hexachlorobenzene           | U              |           | 0.000341    | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| Hexachlorocyclopentadiene   | U              |           | 0.00233     | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| Hexachloroethane            | U              |           | 0.00365     | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| Indeno(1,2,3-cd)pyrene      | U              |           | 0.000279    | 0.00100     | 1        | 08/21/2015 04:24        | WG809546 |
| Isophorone                  | U              |           | 0.000272    | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| 1-Methylnaphthalene         | 0.0420         |           | 0.000332    | 0.00100     | 1        | 08/21/2015 04:24        | WG809546 |
| 2-Methylnaphthalene         | 0.0390         |           | 0.000311    | 0.00100     | 1        | 08/21/2015 04:24        | WG809546 |
| Naphthalene                 | 0.0797         |           | 0.000372    | 0.00100     | 1        | 08/21/2015 04:24        | WG809546 |
| 2-Methylphenol              | U              |           | 0.000312    | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |
| 3&4-Methyl Phenol           | 0.00117        | U         | 0.000266    | 0.0100      | 1        | 08/21/2015 04:24        | WG809546 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc





Collected date/time: 08/13/15 10:00

L782921

## Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte                   | Result<br>mg/l | Qualifier | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch                    |                 |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|-----------------|
| Nitrobenzene              | U              |           | 0.000367    | 0.0100      | 1        | 08/21/2015 04:24        | <a href="#">WG809546</a> | <sup>1</sup> Cp |
| 2-Nitroaniline            | U              |           | 0.00190     | 0.0100      | 1        | 08/21/2015 04:24        | <a href="#">WG809546</a> | <sup>2</sup> Tc |
| 3-Nitroaniline            | U              |           | 0.000308    | 0.0100      | 1        | 08/21/2015 04:24        | <a href="#">WG809546</a> |                 |
| 4-Nitroaniline            | U              |           | 0.000349    | 0.0100      | 1        | 08/21/2015 04:24        | <a href="#">WG809546</a> | <sup>3</sup> Ss |
| Pentachlorophenol         | U              |           | 0.000313    | 0.00100     | 1        | 08/21/2015 04:24        | <a href="#">WG809546</a> |                 |
| Phenanthrene              | 0.00280        |           | 0.000366    | 0.00100     | 1        | 08/21/2015 04:24        | <a href="#">WG809546</a> | <sup>4</sup> Cn |
| n-Nitrosodi-n-propylamine | U              |           | 0.000403    | 0.0100      | 1        | 08/21/2015 04:24        | <a href="#">WG809546</a> |                 |
| n-Nitrosodiphenylamine    | U              |           | 0.000304    | 0.0100      | 1        | 08/21/2015 04:24        | <a href="#">WG809546</a> | <sup>5</sup> Sr |
| Phenol                    | 0.0200         |           | 0.000334    | 0.0100      | 1        | 08/21/2015 04:24        | <a href="#">WG809546</a> |                 |
| 2-Nitrophenol             | U              |           | 0.000320    | 0.0100      | 1        | 08/21/2015 04:24        | <a href="#">WG809546</a> | <sup>6</sup> Qc |
| 4-Nitrophenol             | U              |           | 0.00201     | 0.0100      | 1        | 08/21/2015 04:24        | <a href="#">WG809546</a> |                 |
| Pyrene                    | U              |           | 0.000330    | 0.00100     | 1        | 08/21/2015 04:24        | <a href="#">WG809546</a> | <sup>7</sup> Gl |
| 4-Chloroaniline           | U              |           | 0.000382    | 0.0100      | 1        | 08/21/2015 04:24        | <a href="#">WG809546</a> |                 |
| 2,4,5-Trichlorophenol     | U              |           | 0.000216    | 0.0100      | 1        | 08/21/2015 04:24        | <a href="#">WG809546</a> | <sup>8</sup> Al |
| (S) 2,4,6-Tribromophenol  | 109            |           |             | 11.2-130    |          | 08/21/2015 04:24        | <a href="#">WG809546</a> |                 |
| (S) 2-Fluorophenol        | 44.0           |           |             | 10.0-77.9   |          | 08/21/2015 04:24        | <a href="#">WG809546</a> |                 |
| (S) Phenol-d5             | 34.2           |           |             | 5.00-70.1   |          | 08/21/2015 04:24        | <a href="#">WG809546</a> | <sup>9</sup> Sc |
| (S) Nitrobenzene-d5       | 52.8           |           |             | 21.8-123    |          | 08/21/2015 04:24        | <a href="#">WG809546</a> |                 |
| (S) 2-Fluorobiphenyl      | 73.0           |           |             | 29.5-131    |          | 08/21/2015 04:24        | <a href="#">WG809546</a> |                 |
| (S) p-Terphenyl-d14       | 77.7           |           |             | 29.3-137    |          | 08/21/2015 04:24        | <a href="#">WG809546</a> |                 |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|------------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                  | mg/l   |           | mg/l | mg/l |          | date / time      |                          |
| Dissolved Solids | 4320   |           | 2.82 | 10.0 | 1        | 08/19/2015 13:06 | <a href="#">WG809770</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                 | mg/l   |           | mg/l  | mg/l |          | date / time      |                          |
| Nitrate-Nitrite | 0.828  | J         | 0.197 | 1.00 | 10       | 08/20/2015 15:08 | <a href="#">WG809971</a> |

## Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL     | RDL    | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|---------|--------|----------|------------------|--------------------------|
|         | mg/l   |           | mg/l    | mg/l   |          | date / time      |                          |
| Cyanide | 0.0705 |           | 0.00900 | 0.0250 | 5        | 08/20/2015 11:35 | <a href="#">WG810217</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL     | RDL   | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|---------|-------|----------|------------------|--------------------------|
|          | mg/l   |           | mg/l    | mg/l  |          | date / time      |                          |
| Chloride | 439    |           | 5.19    | 100   | 100      | 08/17/2015 23:56 | <a href="#">WG809368</a> |
| Fluoride | 1.43   |           | 0.00990 | 0.100 | 1        | 08/17/2015 22:44 | <a href="#">WG809368</a> |
| Sulfate  | 69.3   |           | 0.0774  | 5.00  | 1        | 08/18/2015 12:51 | <a href="#">WG809880</a> |

## Mercury by Method 7470A

| Analyte | Result | Qualifier | MDL       | RDL      | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|-----------|----------|----------|------------------|--------------------------|
|         | mg/l   |           | mg/l      | mg/l     |          | date / time      |                          |
| Mercury | U      |           | 0.0000490 | 0.000200 | 1        | 08/17/2015 09:40 | <a href="#">WG809389</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result   | Qualifier | MDL      | RDL     | Dilution | Analysis         | Batch                    |
|-----------|----------|-----------|----------|---------|----------|------------------|--------------------------|
|           | mg/l     |           | mg/l     | mg/l    |          | date / time      |                          |
| Antimony  | 0.000253 | J         | 0.000210 | 0.00200 | 1        | 08/25/2015 19:47 | <a href="#">WG809621</a> |
| Arsenic   | 0.00608  |           | 0.000250 | 0.00200 | 1        | 08/25/2015 19:47 | <a href="#">WG809621</a> |
| Barium    | 0.0144   |           | 0.000360 | 0.00500 | 1        | 08/25/2015 19:47 | <a href="#">WG809621</a> |
| Beryllium | U        |           | 0.000120 | 0.00200 | 1        | 08/25/2015 19:47 | <a href="#">WG809621</a> |
| Cadmium   | U        |           | 0.000160 | 0.00100 | 1        | 08/25/2015 19:47 | <a href="#">WG809621</a> |
| Chromium  | U        |           | 0.000540 | 0.00200 | 1        | 08/25/2015 19:47 | <a href="#">WG809621</a> |
| Cobalt    | U        |           | 0.000260 | 0.00200 | 1        | 08/25/2015 19:47 | <a href="#">WG809621</a> |
| Lead      | 0.00301  |           | 0.000240 | 0.00200 | 1        | 08/25/2015 19:47 | <a href="#">WG809621</a> |
| Nickel    | 0.00109  | J         | 0.000350 | 0.00200 | 1        | 08/25/2015 19:47 | <a href="#">WG809621</a> |
| Selenium  | 0.000739 | J         | 0.000380 | 0.00200 | 1        | 08/25/2015 19:47 | <a href="#">WG809621</a> |
| Silver    | U        |           | 0.000310 | 0.00200 | 1        | 08/25/2015 19:47 | <a href="#">WG809621</a> |
| Vanadium  | 0.00132  | J         | 0.000180 | 0.00500 | 1        | 08/25/2015 19:47 | <a href="#">WG809621</a> |
| Zinc      | U        |           | 0.00256  | 0.0250  | 1        | 08/25/2015 19:47 | <a href="#">WG809621</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | mg/l   |           | mg/l | mg/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 15.6   |           | 3.14 | 10.0     | 100      | 08/16/2015 10:17 | <a href="#">WG809489</a> |
| (S) a,a,a-Trifluorotoluene(FID) 99.4 |        |           |      | 62.0-128 |          | 08/16/2015 10:17 | <a href="#">WG809489</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>mg/l | Qualifier | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| Acetone                     | U              |           | 2.00        | 10.0        | 200      | 08/21/2015 23:16        | WG809451 |
| Benzene                     | 9.26           |           | 0.0662      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| Bromodichloromethane        | U              |           | 0.0760      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| Bromoform                   | U              |           | 0.0938      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| Bromomethane                | U              |           | 0.173       | 1.00        | 200      | 08/21/2015 23:16        | WG809451 |
| n-Butylbenzene              | U              |           | 0.0722      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| sec-Butylbenzene            | U              |           | 0.0730      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| Carbon disulfide            | U              |           | 0.0550      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| Carbon tetrachloride        | U              |           | 0.0758      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| Chlorobenzene               | U              |           | 0.0696      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| Chlorodibromomethane        | U              |           | 0.0654      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| Chloroethane                | U              |           | 0.0906      | 1.00        | 200      | 08/21/2015 23:16        | WG809451 |
| Chloroform                  | U              |           | 0.0648      | 1.00        | 200      | 08/21/2015 23:16        | WG809451 |
| Chloromethane               | U              |           | 0.0552      | 0.500       | 200      | 08/21/2015 23:16        | WG809451 |
| 1,2-Dibromoethane           | U              |           | 0.0762      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| 1,1-Dichloroethane          | U              |           | 0.0518      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| 1,2-Dichloroethane          | U              |           | 0.0722      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| 1,1-Dichloroethene          | U              |           | 0.0796      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| cis-1,2-Dichloroethene      | U              |           | 0.0520      | 0.200       | 200      | 08/25/2015 00:44        | WG811218 |
| trans-1,2-Dichloroethene    | U              |           | 0.0792      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| 1,2-Dichloropropane         | U              |           | 0.0612      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| cis-1,3-Dichloropropene     | U              |           | 0.0836      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| trans-1,3-Dichloropropene   | U              |           | 0.0838      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| Ethylbenzene                | 1.32           |           | 0.0768      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| Isopropylbenzene            | 0.0915         | L         | 0.0652      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| p-Isopropyltoluene          | U              |           | 0.0700      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| 2-Butanone (MEK)            | U              |           | 0.786       | 2.00        | 200      | 08/21/2015 23:16        | WG809451 |
| 2-Hexanone                  | U              |           | 0.764       | 2.00        | 200      | 08/21/2015 23:16        | WG809451 |
| Methylene Chloride          | U              |           | 0.200       | 1.00        | 200      | 08/21/2015 23:16        | WG809451 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 0.428       | 2.00        | 200      | 08/21/2015 23:16        | WG809451 |
| Methyl tert-butyl ether     | 0.0805         | L         | 0.0734      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| Naphthalene                 | 0.305          | L         | 0.200       | 1.00        | 200      | 08/21/2015 23:16        | WG809451 |
| n-Propylbenzene             | 0.113          | L         | 0.0698      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| Styrene                     | U              |           | 0.0614      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.0770      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.0260      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| Tetrachloroethene           | U              |           | 0.0744      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| Toluene                     | 1.57           |           | 0.156       | 1.00        | 200      | 08/21/2015 23:16        | WG809451 |
| 1,1,1-Trichloroethane       | U              |           | 0.0638      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| 1,1,2-Trichloroethane       | U              |           | 0.0766      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| Trichloroethene             | U              |           | 0.0796      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| 1,2,4-Trimethylbenzene      | 0.332          |           | 0.0746      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| 1,3,5-Trimethylbenzene      | 0.0783         | L         | 0.0774      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| Vinyl chloride              | U              |           | 0.0518      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| o-Xylene                    | 0.359          |           | 0.0682      | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| m&p-Xylene                  | 0.585          |           | 0.144       | 0.200       | 200      | 08/21/2015 23:16        | WG809451 |
| Xylenes, Total              | 0.945          |           | 0.212       | 0.600       | 200      | 08/21/2015 23:16        | WG809451 |
| (S) Toluene-d8              | 100            |           |             | 90.0-115    |          | 08/21/2015 23:16        | WG809451 |
| (S) Dibromofluoromethane    | 91.7           |           |             | 79.0-121    |          | 08/21/2015 23:16        | WG809451 |
| (S) 4-Bromofluorobenzene    | 106            |           |             | 80.1-120    |          | 08/21/2015 23:16        | WG809451 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result<br>mg/l | Qualifier | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| C10-C28 Diesel Range | 13.4           |           | 0.111       | 0.500       | 5        | 08/19/2015 23:17        | WG809435 |
| C28-C40 Oil Range    | 1.33           |           | 0.0118      | 0.100       | 1        | 08/17/2015 23:14        | WG809435 |



## Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte         | Result<br>mg/l | Qualifier | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| (S) o-Terphenyl | 94.2           |           |             | 50.0-150    |          | 08/17/2015 23:14        | WG809435 |

## Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte                     | Result<br>mg/l | Qualifier | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| Acenaphthene                | 0.0213         |           | 0.00632     | 0.0200      | 20       | 08/21/2015 04:47        | WG809546 |
| Acenaphthylene              | U              |           | 0.00618     | 0.0200      | 20       | 08/21/2015 04:47        | WG809546 |
| Acetophenone                | U              |           | 0.0542      | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| Anthracene                  | U              |           | 0.00582     | 0.0200      | 20       | 08/21/2015 04:47        | WG809546 |
| Atrazine                    | U              |           | 0.00520     | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| Benzaldehyde                | U              |           | 0.0280      | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| Benzo(a)anthracene          | U              |           | 0.00194     | 0.0200      | 20       | 08/21/2015 04:47        | WG809546 |
| Benzo(b)fluoranthene        | U              |           | 0.00178     | 0.0200      | 20       | 08/21/2015 04:47        | WG809546 |
| Benzo(g,h,i)perylene        | U              |           | 0.00322     | 0.0200      | 20       | 08/21/2015 04:47        | WG809546 |
| Benzo(k)fluoranthene        | U              |           | 0.00710     | 0.0200      | 20       | 08/21/2015 04:47        | WG809546 |
| Bis(2-chloroethyl)ether     | U              |           | 0.0324      | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| Bis(2-chlorethoxy)methane   | U              |           | 0.00658     | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| Bis(2-chloroisopropyl)ether | U              |           | 0.00890     | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| Bis(2-Ethylhexyl)phthalate  | U              |           | 0.0142      | 0.0600      | 20       | 08/21/2015 04:47        | WG809546 |
| Benzylbutyl phthalate       | U              |           | 0.0142      | 0.0600      | 20       | 08/21/2015 04:47        | WG809546 |
| Benzo(a)pyrene              | U              |           | 0.00680     | 0.0200      | 20       | 08/21/2015 04:47        | WG809546 |
| Biphenyl                    | U              |           | 0.00650     | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| 4-Bromophenyl-phenylether   | U              |           | 0.00670     | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| 4-Chlorophenyl-phenylether  | U              |           | 0.00606     | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| Caprolactam                 | U              |           | 0.0518      | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| Carbazole                   | 0.0209         | U         | 0.00520     | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| Chrysene                    | U              |           | 0.00664     | 0.0200      | 20       | 08/21/2015 04:47        | WG809546 |
| 2-Chloronaphthalene         | U              |           | 0.00660     | 0.0200      | 20       | 08/21/2015 04:47        | WG809546 |
| 2-Chlorophenol              | U              |           | 0.00566     | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| Dibenz(a,h)anthracene       | U              |           | 0.00558     | 0.0200      | 20       | 08/21/2015 04:47        | WG809546 |
| Dibenzofuran                | 0.0136         | U         | 0.00678     | 0.0200      | 20       | 08/21/2015 04:47        | WG809546 |
| 3,3-Dichlorobenzidine       | U              |           | 0.0404      | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| Diethyl phthalate           | U              |           | 0.00564     | 0.0600      | 20       | 08/21/2015 04:47        | WG809546 |
| Dimethyl phthalate          | U              |           | 0.00566     | 0.0600      | 20       | 08/21/2015 04:47        | WG809546 |
| Di-n-butyl phthalate        | U              |           | 0.00532     | 0.0600      | 20       | 08/21/2015 04:47        | WG809546 |
| Di-n-octyl phthalate        | U              |           | 0.00556     | 0.0600      | 20       | 08/21/2015 04:47        | WG809546 |
| 2,4-Dichlorophenol          | U              |           | 0.00568     | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| 4-Chloro-3-methylphenol     | U              |           | 0.00526     | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| 4,6-Dinitro-2-methylphenol  | U              |           | 0.0524      | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| 2,4-Dimethylphenol          | 0.0181         | U         | 0.0125      | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| 2,4-Dinitrophenol           | U              |           | 0.0650      | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| 2,4-Dinitrotoluene          | U              |           | 0.0330      | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| 2,6-Dinitrotoluene          | U              |           | 0.0558      | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| Fluoranthene                | U              |           | 0.00620     | 0.0200      | 20       | 08/21/2015 04:47        | WG809546 |
| Fluorene                    | 0.0136         | U         | 0.00646     | 0.0200      | 20       | 08/21/2015 04:47        | WG809546 |
| Hexachloro-1,3-butadiene    | U              |           | 0.00658     | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| Hexachlorobenzene           | U              |           | 0.00682     | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| Hexachlorocyclopentadiene   | U              |           | 0.0466      | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| Hexachloroethane            | U              |           | 0.0730      | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| Indeno(1,2,3-cd)pyrene      | U              |           | 0.00558     | 0.0200      | 20       | 08/21/2015 04:47        | WG809546 |
| Isophorone                  | U              |           | 0.00544     | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| 1-Methylnaphthalene         | 0.0718         |           | 0.00664     | 0.0200      | 20       | 08/21/2015 04:47        | WG809546 |
| 2-Methylnaphthalene         | 0.0733         |           | 0.00622     | 0.0200      | 20       | 08/21/2015 04:47        | WG809546 |
| Naphthalene                 | 0.199          |           | 0.00744     | 0.0200      | 20       | 08/21/2015 04:47        | WG809546 |
| 2-Methylphenol              | 0.0123         | U         | 0.00624     | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |
| 3&4-Methyl Phenol           | U              |           | 0.00532     | 0.200       | 20       | 08/21/2015 04:47        | WG809546 |





Collected date/time: 08/13/15 00:00

L782921

## Semi Volatile Organic Compounds (GC/MS) by Method 8270C

| Analyte                   | Result<br>mg/l | Qualifier | MDL<br>mg/l | RDL<br>mg/l | Dilution | Analysis<br>date / time | Batch                    |                 |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|-----------------|
| Nitrobenzene              | U              |           | 0.00734     | 0.200       | 20       | 08/21/2015 04:47        | <a href="#">WG809546</a> | <sup>1</sup> Cp |
| 2-Nitroaniline            | U              |           | 0.0380      | 0.200       | 20       | 08/21/2015 04:47        | <a href="#">WG809546</a> | <sup>2</sup> Tc |
| 3-Nitroaniline            | U              |           | 0.00616     | 0.200       | 20       | 08/21/2015 04:47        | <a href="#">WG809546</a> |                 |
| 4-Nitroaniline            | U              |           | 0.00698     | 0.200       | 20       | 08/21/2015 04:47        | <a href="#">WG809546</a> | <sup>3</sup> Ss |
| Pentachlorophenol         | U              |           | 0.00626     | 0.0200      | 20       | 08/21/2015 04:47        | <a href="#">WG809546</a> |                 |
| Phenanthrene              | 0.0155         | J         | 0.00732     | 0.0200      | 20       | 08/21/2015 04:47        | <a href="#">WG809546</a> | <sup>4</sup> Cn |
| n-Nitrosodi-n-propylamine | U              |           | 0.00806     | 0.200       | 20       | 08/21/2015 04:47        | <a href="#">WG809546</a> |                 |
| n-Nitrosodiphenylamine    | U              |           | 0.00608     | 0.200       | 20       | 08/21/2015 04:47        | <a href="#">WG809546</a> | <sup>5</sup> Sr |
| Phenol                    | U              |           | 0.00668     | 0.200       | 20       | 08/21/2015 04:47        | <a href="#">WG809546</a> |                 |
| 2-Nitrophenol             | U              |           | 0.00640     | 0.200       | 20       | 08/21/2015 04:47        | <a href="#">WG809546</a> | <sup>6</sup> Qc |
| 4-Nitrophenol             | U              |           | 0.0402      | 0.200       | 20       | 08/21/2015 04:47        | <a href="#">WG809546</a> |                 |
| 4-Chloroaniline           | U              |           | 0.00764     | 0.200       | 20       | 08/21/2015 04:47        | <a href="#">WG809546</a> | <sup>7</sup> Gl |
| Pyrene                    | U              |           | 0.00660     | 0.0200      | 20       | 08/21/2015 04:47        | <a href="#">WG809546</a> |                 |
| 2,4,5-Trichlorophenol     | U              |           | 0.00432     | 0.200       | 20       | 08/21/2015 04:47        | <a href="#">WG809546</a> | <sup>8</sup> Al |
| (S) 2,4,6-Tribromophenol  | 132            | X         |             | 11.2-130    |          | 08/21/2015 04:47        | <a href="#">WG809546</a> |                 |
| (S) 2-Fluorophenol        | 37.5           | X         |             | 10.0-77.9   |          | 08/21/2015 04:47        | <a href="#">WG809546</a> |                 |
| (S) Phenol-d5             | 50.3           | X         |             | 5.00-70.1   |          | 08/21/2015 04:47        | <a href="#">WG809546</a> | <sup>9</sup> Sc |
| (S) Nitrobenzene-d5       | 69.0           | X         |             | 21.8-123    |          | 08/21/2015 04:47        | <a href="#">WG809546</a> |                 |
| (S) 2-Fluorobiphenyl      | 72.4           | X         |             | 29.5-131    |          | 08/21/2015 04:47        | <a href="#">WG809546</a> |                 |
| (S) p-Terphenyl-d14       | 86.1           | X         |             | 29.3-137    |          | 08/21/2015 04:47        | <a href="#">WG809546</a> |                 |



Method Blank (MB)

(MB) 08/18/15 12:10

| Analyte          | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|------------------|-------------------|--------------|----------------|----------------|
| Dissolved Solids | U                 |              | 2.82           | 10.0           |

L782921-01 Original Sample (OS) • Duplicate (DUP)

(OS) 08/18/15 12:14 • (DUP) 08/18/15 12:14

| Analyte          | Original Result<br>mg/l | DUP Result<br>mg/l | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD Limits<br>% |
|------------------|-------------------------|--------------------|----------|--------------|---------------|---------------------|
| Dissolved Solids | 4380                    | 4510               | 1        | 2.92         |               | 5                   |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 08/18/15 12:10 • (LCSD) 08/18/15 12:11

| Analyte          | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Dissolved Solids | 8800                 | 8860               | 8870                | 101           | 101            | 85.0-115         |               |                | 0.113    | 5               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 08/19/15 13:05

| Analyte          | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|------------------|-------------------|--------------|----------------|----------------|
| Dissolved Solids | U                 |              | 2.82           | 10.0           |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

L782921-02 Original Sample (OS) • Duplicate (DUP)

(OS) 08/19/15 13:06 • (DUP) 08/19/15 13:06

| Analyte          | Original Result<br>mg/l | DUP Result<br>mg/l | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD Limits<br>% |
|------------------|-------------------------|--------------------|----------|--------------|---------------|---------------------|
| Dissolved Solids | 2600                    | 2570               | 1        | 1.16         |               | 5                   |

<sup>7</sup>Gl

<sup>8</sup>Al

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 08/19/15 13:05 • (LCSD) 08/19/15 13:05

| Analyte          | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Dissolved Solids | 8800                 | 8780               | 8860                | 99.8          | 101            | 85.0-115         |               |                | 0.907    | 5               |

<sup>9</sup>Sc



Method Blank (MB)

(MB) 08/20/15 14:55

|                 | MB Result | MB Qualifier | MB MDL | MB RDL |
|-----------------|-----------|--------------|--------|--------|
| Analyte         | mg/l      |              | mg/l   | mg/l   |
| Nitrate-Nitrite | U         |              | 0.0197 | 0.100  |

L782933-01 Original Sample (OS) • Duplicate (DUP)

(OS) 08/20/15 15:09 • (DUP) 08/20/15 15:10

|                 | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|-----------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte         | mg/l            | mg/l       |          | %       |               | %              |
| Nitrate-Nitrite | 1.1             | 0.98       | 1        | 13      |               | 20             |

L783035-01 Original Sample (OS) • Duplicate (DUP)

(OS) 08/20/15 15:19 • (DUP) 08/20/15 15:20

|                 | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|-----------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte         | mg/l            | mg/l       |          | %       |               | %              |
| Nitrate-Nitrite | 0.17            | 0.16       | 1        | 7.0     |               | 20             |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 08/20/15 14:58 • (LCSD) 08/20/15 14:59

|                 | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD   | RPD Limits |
|-----------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| Analyte         | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %     | %          |
| Nitrate-Nitrite | 5.00         | 4.95       | 4.93        | 99.0     | 99.0      | 90.0-110    |               |                | 0.000 | 20         |

L783175-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/20/15 15:24 • (MS) 08/20/15 15:25 • (MSD) 08/20/15 15:27

|                 | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|-----------------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte         | mg/l         | mg/l            | mg/l      | mg/l       | %       | %        |          | %           |              |               | %    | %          |
| Nitrate-Nitrite | 5.00         | 0.429           | 5.22      | 5.48       | 96.0    | 101      | 1        | 90.0-110    |              |               | 5.00 | 20         |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc





Method Blank (MB)

(MB) 08/17/15 15:33

|         | MB Result | MB Qualifier | MB MDL  | MB RDL  |
|---------|-----------|--------------|---------|---------|
| Analyte | mg/l      |              | mg/l    | mg/l    |
| Cyanide | U         |              | 0.00180 | 0.00500 |

L777388-14 Original Sample (OS) • Duplicate (DUP)

(OS) 08/17/15 15:54 • (DUP) 08/17/15 15:55

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l            | mg/l       |          | %       |               | %              |
| Cyanide | 0.15            | 0.15       | 1        | 0.67    |               | 20             |

L778365-01 Original Sample (OS) • Duplicate (DUP)

(OS) 08/17/15 15:40 • (DUP) 08/17/15 15:41

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l            | mg/l       |          | %       |               | %              |
| Cyanide | ND              | ND         | 1        | 0.00    |               | 20             |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 08/17/15 15:35 • (LCSD) 08/17/15 15:36

|         | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD   | RPD Limits |
|---------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| Analyte | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %     | %          |
| Cyanide | 0.100        | 0.106      | 0.107       | 106      | 107       | 90.0-110    |               |                | 0.939 | 20         |

L782921-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/17/15 16:03 • (MS) 08/17/15 16:04 • (MSD) 08/17/15 16:05

|         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte | mg/l         | mg/l            | mg/l      | mg/l       | %       | %        |          | %           |              |               | %    | %          |
| Cyanide | 0.200        | ND              | 0.140     | 0.146      | 70.0    | 73.0     | 1        | 90.0-110    | F            | F             | 4.20 | 20         |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 08/20/15 11:29

|         | MB Result | MB Qualifier | MB MDL  | MB RDL  |
|---------|-----------|--------------|---------|---------|
| Analyte | mg/l      |              | mg/l    | mg/l    |
| Cyanide | U         |              | 0.00180 | 0.00500 |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L783165-02 Original Sample (OS) • Duplicate (DUP)

(OS) 08/20/15 11:52 • (DUP) 08/20/15 11:53

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l            | mg/l       |          | %       |               | %              |
| Cyanide | ND              | ND         | 1        | 0.00    |               | 20             |

L782921-03 Original Sample (OS) • Duplicate (DUP)

(OS) 08/20/15 11:35 • (DUP) 08/20/15 11:36

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l            | mg/l       |          | %       |               | %              |
| Cyanide | 0.071           | 0.085      | 5        | 18      |               | 20             |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 08/20/15 11:31 • (LCSD) 08/20/15 11:32

|         | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD  | RPD Limits |
|---------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|------|------------|
| Analyte | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %    | %          |
| Cyanide | 0.100        | 0.0961     | 0.108       | 96.1     | 108       | 90.0-110    |               |                | 11.7 | 20         |

L783167-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/20/15 11:55 • (MS) 08/20/15 11:56 • (MSD) 08/20/15 11:57

|         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte | mg/l         | mg/l            | mg/l      | mg/l       | %       | %        |          | %           |              |               | %    | %          |
| Cyanide | 0.200        | 0.0165          | 0.189     | 0.173      | 86.3    | 78.3     | 1        | 90.0-110    | F            | F             | 8.84 | 20         |



Method Blank (MB)

(MB) 08/24/15 11:06

|         | MB Result | MB Qualifier | MB MDL  | MB RDL  |
|---------|-----------|--------------|---------|---------|
| Analyte | mg/l      |              | mg/l    | mg/l    |
| Cyanide | U         |              | 0.00180 | 0.00500 |

L783826-03 Original Sample (OS) • Duplicate (DUP)

(OS) 08/24/15 11:39 • (DUP) 08/24/15 11:21

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l            | mg/l       |          | %       |               | %              |
| Cyanide | ND              | ND         | 1        | 0.00    |               | 20             |

L784029-01 Original Sample (OS) • Duplicate (DUP)

(OS) 08/24/15 11:29 • (DUP) 08/24/15 11:30

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l            | mg/l       |          | %       |               | %              |
| Cyanide | ND              | ND         | 1        | 0.00    |               | 20             |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 08/24/15 11:08 • (LCSD) 08/24/15 11:09

|         | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD  | RPD Limits |
|---------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|------|------------|
| Analyte | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %    | %          |
| Cyanide | 0.100        | 0.0977     | 0.0999      | 97.7     | 99.9      | 90.0-110    |               |                | 2.23 | 20         |

L783838-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/24/15 11:22 • (MS) 08/24/15 11:23 • (MSD) 08/24/15 11:24

|         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte | mg/l         | mg/l            | mg/l      | mg/l       | %       | %        |          | %           |              |               | %    | %          |
| Cyanide | 0.200        | ND              | 0.163     | 0.172      | 81.5    | 86.0     | 1        | 90.0-110    | F            | F             | 5.37 | 20         |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 08/17/15 15:31

|          | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
| Analyte  | mg/l      |              | mg/l   | mg/l   |
| Chloride | U         |              | 0.0519 | 1.00   |
| Fluoride | U         |              | 0.0099 | 0.100  |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L782847-01 Original Sample (OS) • Duplicate (DUP)

(OS) 08/17/15 19:22 • (DUP) 08/17/15 19:36

|          | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte  | mg/l            | mg/l       |          | %       |               | %              |
| Chloride | 7440            | 7640       | 100      | 3       |               | 20             |
| Fluoride | ND              | 0.000      | 100      | 0       |               | 20             |

L782990-01 Original Sample (OS) • Duplicate (DUP)

(OS) 08/17/15 21:46 • (DUP) 08/17/15 22:01

|          | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte  | mg/l            | mg/l       |          | %       |               | %              |
| Chloride | 5300            | 5420       | 100      | 2       |               | 20             |
| Fluoride | ND              | 0.000      | 100      | 0       |               | 20             |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 08/17/15 15:45 • (LCSD) 08/17/15 16:00

|          | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|----------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-----|------------|
| Analyte  | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %   | %          |
| Chloride | 40.0         | 39.2       | 39.3        | 98       | 98        | 90-110      |               |                | 0   | 20         |
| Fluoride | 8.00         | 7.95       | 7.97        | 99       | 100       | 90-110      |               |                | 0   | 20         |

L782779-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/17/15 18:39 • (MS) 08/17/15 18:53 • (MSD) 08/17/15 19:07

|          | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|----------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-----|------------|
| Analyte  | mg/l         | mg/l            | mg/l      | mg/l       | %       | %        |          | %           |              |               | %   | %          |
| Chloride | 50.0         | 75.7            | 118       | 118        | 84      | 84       | 1        | 80-120      |              |               | 0   | 20         |
| Fluoride | 5.00         | 0.278           | 4.40      | 4.86       | 83      | 92       | 1        | 80-120      |              |               | 10  | 20         |

Method Blank (MB)

(MB) 08/18/15 08:17

|         | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|---------|-----------|---------------------|--------|--------|
| Analyte | mg/l      |                     | mg/l   | mg/l   |
| Sulfate | U         |                     | 0.0774 | 5.00   |

L783391-08 Original Sample (OS) • Duplicate (DUP)

(OS) 08/18/15 10:51 • (DUP) 08/18/15 12:05

|         | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | mg/l            | mg/l       |          | %       |                      | %              |
| Sulfate | 67.0            | 61.3       | 1        | 9       |                      | 20             |

L783447-05 Original Sample (OS) • Duplicate (DUP)

(OS) 08/18/15 15:09 • (DUP) 08/18/15 15:25

|         | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | mg/l            | mg/l       |          | %       |                      | %              |
| Sulfate | 5.85            | 5.79       | 1        | 1       |                      | 20             |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 08/18/15 08:33 • (LCSD) 08/18/15 08:48

|         | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD | RPD Limits |
|---------|--------------|------------|-------------|----------|-----------|-------------|----------------------|-----------------------|-----|------------|
| Analyte | mg/l         | mg/l       | mg/l        | %        | %         | %           |                      |                       | %   | %          |
| Sulfate | 40.0         | 39.9       | 39.9        | 100      | 100       | 90-110      |                      |                       | 0   | 20         |

L783464-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/18/15 13:06 • (MS) 08/18/15 13:21 • (MSD) 08/18/15 13:37

|         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|---------------------|----------------------|-----|------------|
| Analyte | mg/l         | mg/l            | mg/l      | mg/l       | %       | %        |          | %           |                     |                      | %   | %          |
| Sulfate | 50.0         | 1.67            | 51.4      | 51.6       | 99      | 100      | 1        | 80-120      |                     |                      | 1   | 20         |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 08/17/15 09:18

|         | MB Result | MB Qualifier | MB MDL   | MB RDL   |
|---------|-----------|--------------|----------|----------|
| Analyte | mg/l      |              | mg/l     | mg/l     |
| Mercury | U         |              | 0.000049 | 0.000200 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 08/17/15 09:20 • (LCSD) 08/17/15 09:22

|         | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|---------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-----|------------|
| Analyte | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %   | %          |
| Mercury | 0.00300      | 0.00306    | 0.00313     | 102      | 104       | 80-120      |               |                | 2   | 20         |

L782963-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/17/15 09:24 • (MS) 08/17/15 09:26 • (MSD) 08/17/15 09:29

|         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-----|------------|
| Analyte | mg/l         | mg/l            | mg/l      | mg/l       | %       | %        |          | %           |              |               | %   | %          |
| Mercury | 0.00300      | ND              | 0.00273   | 0.00246    | 91      | 82       | 1        | 75-125      |              |               | 10  | 20         |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc



Method Blank (MB)

(MB) 08/25/15 17:52

| Analyte   | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|-----------|-------------------|--------------|----------------|----------------|
| Antimony  | 0.000307          |              | 0.00021        | 0.00200        |
| Arsenic   | U                 |              | 0.00025        | 0.00200        |
| Barium    | U                 |              | 0.00036        | 0.00500        |
| Beryllium | U                 |              | 0.00012        | 0.00200        |
| Cadmium   | U                 |              | 0.00016        | 0.00100        |
| Chromium  | 0.000579          |              | 0.00054        | 0.00200        |
| Cobalt    | U                 |              | 0.00026        | 0.00200        |
| Lead      | U                 |              | 0.00024        | 0.00200        |
| Nickel    | U                 |              | 0.00035        | 0.00200        |
| Selenium  | U                 |              | 0.00038        | 0.00200        |
| Silver    | U                 |              | 0.00031        | 0.00200        |
| Vanadium  | U                 |              | 0.00018        | 0.00500        |
| Zinc      | U                 |              | 0.00256        | 0.0250         |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 08/25/15 19:00 • (LCSD) 08/25/15 17:58

| Analyte   | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Antimony  | 0.0500               | 0.0504             | 0.0480              | 101           | 96             | 80-120           |               |                | 5        | 20              |
| Arsenic   | 0.0500               | 0.0533             | 0.0516              | 107           | 103            | 80-120           |               |                | 3        | 20              |
| Barium    | 0.0500               | 0.0474             | 0.0452              | 95            | 90             | 80-120           |               |                | 5        | 20              |
| Beryllium | 0.0500               | 0.0485             | 0.0427              | 97            | 85             | 80-120           |               |                | 13       | 20              |
| Cadmium   | 0.0500               | 0.0551             | 0.0535              | 110           | 107            | 80-120           |               |                | 3        | 20              |
| Chromium  | 0.0500               | 0.0519             | 0.0517              | 104           | 103            | 80-120           |               |                | 0        | 20              |
| Cobalt    | 0.0500               | 0.0529             | 0.0517              | 106           | 103            | 80-120           |               |                | 2        | 20              |
| Lead      | 0.0500               | 0.0503             | 0.0512              | 101           | 102            | 80-120           |               |                | 2        | 20              |
| Nickel    | 0.0500               | 0.0533             | 0.0515              | 107           | 103            | 80-120           |               |                | 4        | 20              |
| Selenium  | 0.0500               | 0.0479             | 0.0450              | 96            | 90             | 80-120           |               |                | 6        | 20              |
| Silver    | 0.0500               | 0.0526             | 0.0516              | 105           | 103            | 80-120           |               |                | 2        | 20              |
| Vanadium  | 0.0500               | 0.0511             | 0.0495              | 102           | 99             | 80-120           |               |                | 3        | 20              |
| Zinc      | 0.0500               | 0.0490             | 0.0487              | 98            | 97             | 80-120           |               |                | 0        | 20              |



L783315-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/25/15 18:00 • (MS) 08/25/15 18:06 • (MSD) 08/25/15 18:08

| Analyte   | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Antimony  | 0.0500               | 0.000265                | 0.0534            | 0.0472             | 106          | 94            | 1        | 75-125           |              |               | 12       | 20              |
| Arsenic   | 0.0500               | 0.00175                 | 0.0603            | 0.0525             | 117          | 102           | 1        | 75-125           |              |               | 14       | 20              |
| Barium    | 0.0500               | 0.0320                  | 0.0903            | 0.0776             | 117          | 91            | 1        | 75-125           |              |               | 15       | 20              |
| Beryllium | 0.0500               | 0.0000584               | 0.0436            | 0.0394             | 87           | 79            | 1        | 75-125           |              |               | 10       | 20              |
| Cadmium   | 0.0500               | 0.000125                | 0.0583            | 0.0515             | 116          | 103           | 1        | 75-125           |              |               | 12       | 20              |
| Chromium  | 0.0500               | 0.00120                 | 0.0557            | 0.0494             | 109          | 96            | 1        | 75-125           |              |               | 12       | 20              |
| Cobalt    | 0.0500               | 0.000260                | 0.0561            | 0.0492             | 112          | 98            | 1        | 75-125           |              |               | 13       | 20              |
| Lead      | 0.0500               | 0.000741                | 0.0556            | 0.0494             | 110          | 97            | 1        | 75-125           |              |               | 12       | 20              |
| Nickel    | 0.0500               | 0.00130                 | 0.0566            | 0.0486             | 111          | 95            | 1        | 75-125           |              |               | 15       | 20              |
| Selenium  | 0.0500               | 0.0203                  | 0.0783            | 0.0566             | 116          | 73            | 1        | 75-125           |              | * F           | 32       | 20              |
| Silver    | 0.0500               | 0.000103                | 0.0562            | 0.0459             | 112          | 92            | 1        | 75-125           |              |               | 20       | 20              |
| Vanadium  | 0.0500               | 0.00256                 | 0.0576            | 0.0507             | 110          | 96            | 1        | 75-125           |              |               | 13       | 20              |
| Zinc      | 0.0500               | 0.00601                 | 0.0547            | 0.0490             | 97           | 86            | 1        | 75-125           |              |               | 11       | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc





Method Blank (MB)

(MB) 08/16/15 07:23

| Analyte                         | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|---------------------------------|-------------------|--------------|----------------|----------------|
| TPH (GC/FID) Low Fraction       | U                 |              | 0.0314         | 0.100          |
| (S) a,a,a-Trifluorotoluene(FID) | 99.6              |              |                | 62.0-128       |

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 08/16/15 06:18 • (LCSD) 08/16/15 06:40

| Analyte                         | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH (GC/FID) Low Fraction       | 5.50                 | 4.94               | 4.89                | 89.8          | 88.9           | 67.0-132         |               |                | 1.00     | 20              |
| (S) a,a,a-Trifluorotoluene(FID) |                      |                    |                     | 98.8          | 98.7           | 62.0-128         |               |                |          |                 |

L782860-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/16/15 09:11 • (MS) 08/16/15 08:05 • (MSD) 08/16/15 08:27

| Analyte                         | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction       | 5.50                 | ND                      | 4.92              | 4.80               | 89.4         | 87.3          | 1        | 50.0-143         |              |               | 2.38     | 20              |
| (S) a,a,a-Trifluorotoluene(FID) |                      |                         |                   |                    | 99.2         | 98.7          |          | 62.0-128         |              |               |          |                 |



Method Blank (MB)

(MB) 08/21/15 21:00

| Analyte                     | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Acetone                     | U                 |              | 0.0100         | 0.0500         |
| Benzene                     | U                 |              | 0.000331       | 0.00100        |
| Bromodichloromethane        | U                 |              | 0.000380       | 0.00100        |
| Bromoform                   | U                 |              | 0.000469       | 0.00100        |
| Bromomethane                | U                 |              | 0.000866       | 0.00500        |
| n-Butylbenzene              | U                 |              | 0.000361       | 0.00100        |
| sec-Butylbenzene            | U                 |              | 0.000365       | 0.00100        |
| Carbon disulfide            | U                 |              | 0.000275       | 0.00100        |
| Carbon tetrachloride        | U                 |              | 0.000379       | 0.00100        |
| Chlorobenzene               | U                 |              | 0.000348       | 0.00100        |
| Chlorodibromomethane        | U                 |              | 0.000327       | 0.00100        |
| Chloroethane                | U                 |              | 0.000453       | 0.00500        |
| Chloroform                  | U                 |              | 0.000324       | 0.00500        |
| Chloromethane               | U                 |              | 0.000276       | 0.00250        |
| 1,2-Dibromoethane           | U                 |              | 0.000381       | 0.00100        |
| 1,1-Dichloroethane          | U                 |              | 0.000259       | 0.00100        |
| 1,2-Dichloroethane          | U                 |              | 0.000361       | 0.00100        |
| 1,1-Dichloroethene          | U                 |              | 0.000398       | 0.00100        |
| trans-1,2-Dichloroethene    | U                 |              | 0.000396       | 0.00100        |
| 1,2-Dichloropropane         | U                 |              | 0.000306       | 0.00100        |
| cis-1,3-Dichloropropene     | U                 |              | 0.000418       | 0.00100        |
| trans-1,3-Dichloropropene   | U                 |              | 0.000419       | 0.00100        |
| Ethylbenzene                | U                 |              | 0.000384       | 0.00100        |
| 2-Hexanone                  | U                 |              | 0.00382        | 0.0100         |
| Isopropylbenzene            | U                 |              | 0.000326       | 0.00100        |
| p-Isopropyltoluene          | U                 |              | 0.000350       | 0.00100        |
| 2-Butanone (MEK)            | U                 |              | 0.00393        | 0.0100         |
| Methylene Chloride          | U                 |              | 0.00100        | 0.00500        |
| 4-Methyl-2-pentanone (MIBK) | U                 |              | 0.00214        | 0.0100         |
| Methyl tert-butyl ether     | U                 |              | 0.000367       | 0.00100        |
| Naphthalene                 | U                 |              | 0.00100        | 0.00500        |
| n-Propylbenzene             | U                 |              | 0.000349       | 0.00100        |
| Styrene                     | U                 |              | 0.000307       | 0.00100        |
| 1,1,1,2-Tetrachloroethane   | U                 |              | 0.000385       | 0.00100        |
| 1,1,2,2-Tetrachloroethane   | U                 |              | 0.000130       | 0.00100        |
| Tetrachloroethene           | U                 |              | 0.000372       | 0.00100        |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Method Blank (MB)

(MB) 08/21/15 21:00

| Analyte                  | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|--------------------------|-------------------|--------------|----------------|----------------|
| Toluene                  | U                 |              | 0.000780       | 0.00500        |
| 1,1,1-Trichloroethane    | U                 |              | 0.000319       | 0.00100        |
| 1,1,2-Trichloroethane    | U                 |              | 0.000383       | 0.00100        |
| Trichloroethene          | U                 |              | 0.000398       | 0.00100        |
| 1,2,4-Trimethylbenzene   | U                 |              | 0.000373       | 0.00100        |
| 1,3,5-Trimethylbenzene   | U                 |              | 0.000387       | 0.00100        |
| Vinyl chloride           | U                 |              | 0.000259       | 0.00100        |
| Xylenes, Total           | U                 |              | 0.00106        | 0.00300        |
| o-Xylene                 | U                 |              | 0.000341       | 0.00100        |
| m&p-Xylenes              | U                 |              | 0.000719       | 0.00100        |
| (S) Toluene-d8           | 102               |              |                | 90.0-115       |
| (S) Dibromofluoromethane | 91.5              |              |                | 79.0-121       |
| (S) 4-Bromofluorobenzene | 101               |              |                | 80.1-120       |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 08/21/15 19:42 • (LCSD) 08/21/15 20:01

| Analyte              | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone              | 0.125                | 0.102              | 0.0950              | 81.6          | 76.0           | 28.7-175         |               |                | 7.15     | 20.9            |
| Benzene              | 0.0250               | 0.0221             | 0.0217              | 88.6          | 86.7           | 73.0-122         |               |                | 2.13     | 20              |
| Bromodichloromethane | 0.0250               | 0.0218             | 0.0222              | 87.4          | 88.8           | 75.5-121         |               |                | 1.67     | 20              |
| Bromoform            | 0.0250               | 0.0272             | 0.0266              | 109           | 106            | 71.5-131         |               |                | 2.04     | 20              |
| Bromomethane         | 0.0250               | 0.0156             | 0.0157              | 62.4          | 62.6           | 22.4-187         |               |                | 0.360    | 20              |
| n-Butylbenzene       | 0.0250               | 0.0236             | 0.0221              | 94.6          | 88.4           | 75.9-134         |               |                | 6.76     | 20              |
| sec-Butylbenzene     | 0.0250               | 0.0265             | 0.0255              | 106           | 102            | 80.6-126         |               |                | 4.08     | 20              |
| Carbon disulfide     | 0.0250               | 0.0212             | 0.0200              | 84.6          | 80.2           | 53.0-134         |               |                | 5.44     | 20              |
| Carbon tetrachloride | 0.0250               | 0.0236             | 0.0225              | 94.3          | 90.0           | 70.9-129         |               |                | 4.67     | 20              |
| Chlorobenzene        | 0.0250               | 0.0258             | 0.0259              | 103           | 104            | 79.7-122         |               |                | 0.640    | 20              |
| Chlorodibromomethane | 0.0250               | 0.0246             | 0.0252              | 98.5          | 101            | 78.2-124         |               |                | 2.14     | 20              |
| Chloroethane         | 0.0250               | 0.0187             | 0.0174              | 74.8          | 69.7           | 41.2-153         |               |                | 7.01     | 20              |
| Chloroform           | 0.0250               | 0.0214             | 0.0217              | 85.6          | 86.6           | 73.2-125         |               |                | 1.21     | 20              |
| Chloromethane        | 0.0250               | 0.0192             | 0.0191              | 76.8          | 76.3           | 55.8-134         |               |                | 0.680    | 20              |
| 1,2-Dibromoethane    | 0.0250               | 0.0249             | 0.0238              | 99.7          | 95.2           | 79.8-122         |               |                | 4.59     | 20              |
| 1,1-Dichloroethane   | 0.0250               | 0.0226             | 0.0225              | 90.4          | 90.2           | 71.7-127         |               |                | 0.170    | 20              |
| 1,2-Dichloroethane   | 0.0250               | 0.0198             | 0.0195              | 79.2          | 78.1           | 65.3-126         |               |                | 1.42     | 20              |



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 08/21/15 19:42 • (LCSD) 08/21/15 20:01

| Analyte                     | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| 1,1-Dichloroethene          | 0.0250               | 0.0234             | 0.0222              | 93.6          | 88.7           | 59.9-137         |               |                | 5.38     | 20              |
| trans-1,2-Dichloroethene    | 0.0250               | 0.0236             | 0.0226              | 94.4          | 90.5           | 72.6-125         |               |                | 4.26     | 20              |
| 1,2-Dichloropropane         | 0.0250               | 0.0245             | 0.0245              | 98.2          | 97.9           | 77.4-125         |               |                | 0.300    | 20              |
| cis-1,3-Dichloropropene     | 0.0250               | 0.0235             | 0.0238              | 93.9          | 95.2           | 77.7-124         |               |                | 1.33     | 20              |
| trans-1,3-Dichloropropene   | 0.0250               | 0.0227             | 0.0229              | 91.0          | 91.8           | 73.5-127         |               |                | 0.860    | 20              |
| Ethylbenzene                | 0.0250               | 0.0266             | 0.0252              | 106           | 101            | 80.9-121         |               |                | 5.34     | 20              |
| 2-Hexanone                  | 0.125                | 0.130              | 0.121               | 104           | 97.0           | 59.4-151         |               |                | 7.18     | 20              |
| Isopropylbenzene            | 0.0250               | 0.0262             | 0.0257              | 105           | 103            | 81.6-124         |               |                | 2.13     | 20              |
| p-Isopropyltoluene          | 0.0250               | 0.0263             | 0.0260              | 105           | 104            | 77.6-129         |               |                | 1.27     | 20              |
| 2-Butanone (MEK)            | 0.125                | 0.111              | 0.105               | 88.9          | 84.0           | 46.4-155         |               |                | 5.64     | 20              |
| Methylene Chloride          | 0.0250               | 0.0203             | 0.0206              | 81.1          | 82.3           | 69.5-120         |               |                | 1.37     | 20              |
| 4-Methyl-2-pentanone (MIBK) | 0.125                | 0.108              | 0.102               | 86.3          | 81.3           | 63.3-138         |               |                | 5.94     | 20              |
| Methyl tert-butyl ether     | 0.0250               | 0.0207             | 0.0209              | 82.8          | 83.5           | 70.1-125         |               |                | 0.780    | 20              |
| Naphthalene                 | 0.0250               | 0.0307             | 0.0294              | 123           | 118            | 69.7-134         |               |                | 4.15     | 20              |
| n-Propylbenzene             | 0.0250               | 0.0251             | 0.0246              | 100           | 98.5           | 81.9-122         |               |                | 1.93     | 20              |
| Styrene                     | 0.0250               | 0.0270             | 0.0269              | 108           | 108            | 79.9-124         |               |                | 0.350    | 20              |
| 1,1,1,2-Tetrachloroethane   | 0.0250               | 0.0261             | 0.0256              | 104           | 102            | 78.5-125         |               |                | 1.72     | 20              |
| 1,1,2,2-Tetrachloroethane   | 0.0250               | 0.0255             | 0.0248              | 102           | 99.3           | 79.3-123         |               |                | 2.59     | 20              |
| Tetrachloroethene           | 0.0250               | 0.0281             | 0.0267              | 112           | 107            | 73.5-130         |               |                | 5.14     | 20              |
| Toluene                     | 0.0250               | 0.0239             | 0.0238              | 95.6          | 95.0           | 77.9-116         |               |                | 0.670    | 20              |
| 1,1,1-Trichloroethane       | 0.0250               | 0.0226             | 0.0214              | 90.3          | 85.7           | 71.1-129         |               |                | 5.23     | 20              |
| 1,1,2-Trichloroethane       | 0.0250               | 0.0245             | 0.0245              | 98.0          | 98.1           | 81.6-120         |               |                | 0.0600   | 20              |
| Trichloroethene             | 0.0250               | 0.0252             | 0.0250              | 101           | 100            | 79.5-121         |               |                | 0.580    | 20              |
| 1,2,4-Trimethylbenzene      | 0.0250               | 0.0246             | 0.0245              | 98.5          | 98.1           | 79.0-122         |               |                | 0.460    | 20              |
| 1,3,5-Trimethylbenzene      | 0.0250               | 0.0245             | 0.0246              | 98.0          | 98.2           | 81.0-123         |               |                | 0.180    | 20              |
| Vinyl chloride              | 0.0250               | 0.0225             | 0.0214              | 90.1          | 85.8           | 61.5-134         |               |                | 4.93     | 20              |
| Xylenes, Total              | 0.0750               | 0.0791             | 0.0781              | 105           | 104            | 79.2-122         |               |                | 1.21     | 20              |
| o-Xylene                    | 0.0250               | 0.0257             | 0.0257              | 103           | 103            | 79.1-123         |               |                | 0.100    | 20              |
| m&p-Xylenes                 | 0.0500               | 0.0534             | 0.0524              | 107           | 105            | 78.5-122         |               |                | 1.75     | 20              |
| (S) Toluene-d8              |                      |                    |                     | 102           | 102            | 90.0-115         |               |                |          |                 |
| (S) Dibromofluoromethane    |                      |                    |                     | 90.3          | 89.2           | 79.0-121         |               |                |          |                 |
| (S) 4-Bromofluorobenzene    |                      |                    |                     | 103           | 102            | 80.1-120         |               |                |          |                 |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L782939-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/21/15 22:17 • (MS) 08/21/15 21:19 • (MSD) 08/21/15 21:38

| Analyte                     | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Acetone                     | 0.125                | 0.00130                 | 0.0578            | 0.0564             | 45.2         | 44.1          | 1        | 25.0-156         |              |               | 2.43     | 21.5            |
| Benzene                     | 0.0250               | 0.00193                 | 0.0264            | 0.0267             | 97.9         | 98.9          | 1        | 58.6-133         |              |               | 0.980    | 20              |
| Bromodichloromethane        | 0.0250               | ND                      | 0.0214            | 0.0209             | 85.4         | 83.6          | 1        | 69.2-127         |              |               | 2.16     | 20              |
| Bromoform                   | 0.0250               | ND                      | 0.0302            | 0.0304             | 121          | 122           | 1        | 66.3-140         |              |               | 0.770    | 20              |
| Bromomethane                | 0.0250               | ND                      | 0.0210            | 0.0226             | 84.1         | 90.3          | 1        | 16.6-183         |              |               | 7.18     | 20.5            |
| n-Butylbenzene              | 0.0250               | ND                      | 0.0254            | 0.0252             | 102          | 101           | 1        | 64.8-145         |              |               | 0.820    | 20              |
| sec-Butylbenzene            | 0.0250               | ND                      | 0.0283            | 0.0287             | 113          | 115           | 1        | 66.8-139         |              |               | 1.44     | 20              |
| Carbon disulfide            | 0.0250               | ND                      | 0.0261            | 0.0262             | 104          | 105           | 1        | 34.9-138         |              |               | 0.360    | 20              |
| Carbon tetrachloride        | 0.0250               | ND                      | 0.0254            | 0.0252             | 102          | 101           | 1        | 60.6-139         |              |               | 0.850    | 20              |
| Chlorobenzene               | 0.0250               | ND                      | 0.0287            | 0.0292             | 115          | 117           | 1        | 70.1-130         |              |               | 1.81     | 20              |
| Chlorodibromomethane        | 0.0250               | ND                      | 0.0282            | 0.0286             | 113          | 114           | 1        | 71.6-132         |              |               | 1.42     | 20              |
| Chloroethane                | 0.0250               | ND                      | 0.0219            | 0.0209             | 87.4         | 83.6          | 1        | 33.3-155         |              |               | 4.51     | 20              |
| Chloroform                  | 0.0250               | 0.000424                | 0.0244            | 0.0237             | 95.8         | 93.2          | 1        | 66.1-133         |              |               | 2.73     | 20              |
| Chloromethane               | 0.0250               | ND                      | 0.0312            | 0.0300             | 125          | 120           | 1        | 40.7-139         |              |               | 4.08     | 20              |
| 1,2-Dibromoethane           | 0.0250               | ND                      | 0.0282            | 0.0282             | 113          | 113           | 1        | 73.8-131         |              |               | 0.130    | 20              |
| 1,1-Dichloroethane          | 0.0250               | ND                      | 0.0260            | 0.0258             | 104          | 103           | 1        | 64.0-134         |              |               | 0.670    | 20              |
| 1,2-Dichloroethane          | 0.0250               | ND                      | 0.0227            | 0.0223             | 90.7         | 89.1          | 1        | 60.7-132         |              |               | 1.74     | 20              |
| 1,1-Dichloroethene          | 0.0250               | 0.0241                  | 0.0439            | 0.0439             | 79.2         | 79.3          | 1        | 48.8-144         |              |               | 0.0500   | 20              |
| trans-1,2-Dichloroethene    | 0.0250               | 0.0329                  | 0.0641            | 0.0594             | 125          | 106           | 1        | 61.0-132         |              |               | 7.60     | 20              |
| 1,2-Dichloropropane         | 0.0250               | ND                      | 0.0232            | 0.0230             | 92.8         | 92.1          | 1        | 69.7-130         |              |               | 0.800    | 20              |
| cis-1,3-Dichloropropene     | 0.0250               | ND                      | 0.0223            | 0.0224             | 89.3         | 89.7          | 1        | 71.1-129         |              |               | 0.420    | 20              |
| trans-1,3-Dichloropropene   | 0.0250               | ND                      | 0.0230            | 0.0225             | 92.0         | 90.1          | 1        | 66.3-136         |              |               | 2.06     | 20              |
| Ethylbenzene                | 0.0250               | ND                      | 0.0286            | 0.0287             | 114          | 115           | 1        | 62.7-136         |              |               | 0.520    | 20              |
| 2-Hexanone                  | 0.125                | ND                      | 0.123             | 0.123              | 98.1         | 98.7          | 1        | 59.4-154         |              |               | 0.530    | 20.1            |
| Isopropylbenzene            | 0.0250               | ND                      | 0.0282            | 0.0288             | 113          | 115           | 1        | 67.4-136         |              |               | 2.03     | 20              |
| p-Isopropyltoluene          | 0.0250               | ND                      | 0.0292            | 0.0292             | 117          | 117           | 1        | 62.8-143         |              |               | 0.190    | 20              |
| 2-Butanone (MEK)            | 0.125                | ND                      | 0.0933            | 0.0906             | 74.7         | 72.4          | 1        | 45.0-156         |              |               | 3.02     | 20.8            |
| Methylene Chloride          | 0.0250               | ND                      | 0.0239            | 0.0240             | 95.6         | 95.8          | 1        | 61.5-125         |              |               | 0.240    | 20              |
| 4-Methyl-2-pentanone (MIBK) | 0.125                | ND                      | 0.0995            | 0.0966             | 79.6         | 77.3          | 1        | 60.7-150         |              |               | 3.01     | 20              |
| Methyl tert-butyl ether     | 0.0250               | ND                      | 0.0241            | 0.0237             | 96.3         | 94.6          | 1        | 61.4-136         |              |               | 1.78     | 20              |
| Naphthalene                 | 0.0250               | 0.000315                | 0.0331            | 0.0333             | 131          | 132           | 1        | 61.8-143         |              |               | 0.580    | 20              |
| n-Propylbenzene             | 0.0250               | ND                      | 0.0277            | 0.0280             | 111          | 112           | 1        | 63.2-139         |              |               | 1.16     | 20              |
| Styrene                     | 0.0250               | ND                      | 0.0308            | 0.0306             | 123          | 122           | 1        | 68.2-133         |              |               | 0.590    | 20              |
| 1,1,1,2-Tetrachloroethane   | 0.0250               | ND                      | 0.0290            | 0.0287             | 116          | 115           | 1        | 70.5-132         |              |               | 0.820    | 20              |
| 1,1,2,2-Tetrachloroethane   | 0.0250               | ND                      | 0.0287            | 0.0290             | 115          | 116           | 1        | 64.9-145         |              |               | 1.02     | 20              |
| Tetrachloroethene           | 0.0250               | 0.00173                 | 0.0320            | 0.0318             | 121          | 120           | 1        | 57.4-141         |              |               | 0.480    | 20              |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

L782939-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/21/15 22:17 • (MS) 08/21/15 21:19 • (MSD) 08/21/15 21:38

| Analyte                  | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Toluene                  | 0.0250               | 0.000855                | 0.0233            | 0.0232             | 89.8         | 89.4          | 1        | 67.8-124         |              |               | 0.450    | 20              |
| 1,1,1-Trichloroethane    | 0.0250               | ND                      | 0.0241            | 0.0234             | 96.3         | 93.4          | 1        | 58.7-134         |              |               | 2.97     | 20              |
| 1,1,2-Trichloroethane    | 0.0250               | 0.000435                | 0.0278            | 0.0284             | 109          | 112           | 1        | 74.1-130         |              |               | 2.03     | 20              |
| Trichloroethene          | 0.0250               | 1.77                    | 1.59              | 1.57               | 0.000        | 0.000         | 1        | 48.9-148         | 4            | 4             | 1.36     | 20              |
| 1,2,4-Trimethylbenzene   | 0.0250               | ND                      | 0.0281            | 0.0282             | 112          | 113           | 1        | 60.5-137         |              |               | 0.600    | 20              |
| 1,3,5-Trimethylbenzene   | 0.0250               | ND                      | 0.0276            | 0.0277             | 110          | 111           | 1        | 67.9-134         |              |               | 0.230    | 20              |
| Vinyl chloride           | 0.0250               | 0.147                   | 0.138             | 0.135              | 0.000        | 0.000         | 1        | 44.3-143         | 4            | 4             | 1.92     | 20              |
| Xylenes, Total           | 0.0750               | 0.000335                | 0.0870            | 0.0887             | 116          | 118           | 1        | 65.6-133         |              |               | 1.92     | 20              |
| o-Xylene                 | 0.0250               | ND                      | 0.0291            | 0.0292             | 116          | 117           | 1        | 67.1-133         |              |               | 0.540    | 20              |
| m&p-Xylenes              | 0.0500               | 0.000335                | 0.0580            | 0.0595             | 115          | 118           | 1        | 64.1-133         |              |               | 2.60     | 20              |
| (S) Toluene-d8           |                      |                         |                   |                    | 85.1         | 84.9          |          | 90.0-115         | X            | X             |          |                 |
| (S) Dibromofluoromethane |                      |                         |                   |                    | 90.9         | 90.6          |          | 79.0-121         |              |               |          |                 |
| (S) 4-Bromofluorobenzene |                      |                         |                   |                    | 102          | 102           |          | 80.1-120         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 08/24/15 22:10

| Analyte                | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|------------------------|-------------------|--------------|----------------|----------------|
| Benzene                | U                 |              | 0.000331       | 0.00100        |
| cis-1,2-Dichloroethene | U                 |              | 0.000260       | 0.00100        |
| Trichloroethene        | U                 |              | 0.000398       | 0.00100        |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 08/24/15 19:01 • (LCSD) 08/24/15 19:20

| Analyte                | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene                | 0.0250               | 0.0264             | 0.0253              | 106           | 101            | 73.0-122         |               |                | 4.21     | 20              |
| cis-1,2-Dichloroethene | 0.0250               | 0.0268             | 0.0256              | 107           | 102            | 77.3-122         |               |                | 4.59     | 20              |
| Trichloroethene        | 0.0250               | 0.0257             | 0.0250              | 103           | 99.8           | 79.5-121         |               |                | 2.96     | 20              |

L783474-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 08/24/15 23:46 • (MS) 08/24/15 22:29 • (MSD) 08/24/15 22:48

| Analyte                | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene                | 0.0250               | ND                      | 0.0244            | 0.0248             | 97.5         | 99.1          | 1        | 58.6-133         |              |               | 1.68     | 20              |
| cis-1,2-Dichloroethene | 0.0250               | ND                      | 0.0247            | 0.0265             | 98.7         | 106           | 1        | 60.6-136         |              |               | 7.08     | 20              |
| Trichloroethene        | 0.0250               | ND                      | 0.0243            | 0.0246             | 97.3         | 98.5          | 1        | 48.9-148         |              |               | 1.26     | 20              |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) 08/17/15 19:19

| Analyte           | MB Result | MB Qualifier | MB MDL | MB RDL   |
|-------------------|-----------|--------------|--------|----------|
|                   | mg/l      |              | mg/l   | mg/l     |
| C28-C40 Oil Range | U         |              | 0.0118 | 0.100    |
| (S) o-Terphenyl   | 116       |              |        | 50.0-150 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 08/17/15 19:37 • (LCSD) 08/17/15 19:55

| Analyte              | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD  | RPD Limits |
|----------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|------|------------|
|                      | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %    | %          |
| C10-C28 Diesel Range | 1.50         | 1.53       | 1.65        | 102      | 110       | 70.0-130    |               |                | 7.52 | 20         |
| (S) o-Terphenyl      |              |            |             | 116      | 121       | 50.0-150    |               |                |      |            |



Method Blank (MB)

(MB) 08/20/15 21:47

| Analyte                     | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Acenaphthene                | U                 |              | 0.000316       | 0.00100        |
| Acenaphthylene              | U                 |              | 0.000309       | 0.00100        |
| Acetophenone                | U                 |              | 0.00271        | 0.0100         |
| Anthracene                  | U                 |              | 0.000291       | 0.00100        |
| Atrazine                    | U                 |              | 0.000260       | 0.0100         |
| Benzaldehyde                | U                 |              | 0.00140        | 0.0100         |
| Benzo(a)anthracene          | U                 |              | 0.0000970      | 0.00100        |
| Benzo(b)fluoranthene        | U                 |              | 0.0000890      | 0.00100        |
| Benzo(k)fluoranthene        | U                 |              | 0.000355       | 0.00100        |
| Benzo(g,h,i)perylene        | U                 |              | 0.000161       | 0.00100        |
| Benzo(a)pyrene              | U                 |              | 0.000340       | 0.00100        |
| Biphenyl                    | U                 |              | 0.000325       | 0.0100         |
| Bis(2-chlorethoxy)methane   | U                 |              | 0.000329       | 0.0100         |
| Bis(2-chloroethyl)ether     | U                 |              | 0.00162        | 0.0100         |
| Bis(2-chloroisopropyl)ether | U                 |              | 0.000445       | 0.0100         |
| 4-Bromophenyl-phenylether   | U                 |              | 0.000335       | 0.0100         |
| Caprolactam                 | U                 |              | 0.00259        | 0.0100         |
| Carbazole                   | U                 |              | 0.000260       | 0.0100         |
| 4-Chloroaniline             | U                 |              | 0.000382       | 0.0100         |
| 2-Chloronaphthalene         | U                 |              | 0.000330       | 0.00100        |
| 4-Chlorophenyl-phenylether  | U                 |              | 0.000303       | 0.0100         |
| Chrysene                    | U                 |              | 0.000332       | 0.00100        |
| Dibenz(a,h)anthracene       | U                 |              | 0.000279       | 0.00100        |
| Dibenzofuran                | U                 |              | 0.000339       | 0.00100        |
| 3,3-Dichlorobenzidine       | U                 |              | 0.00202        | 0.0100         |
| 2,4-Dinitrotoluene          | U                 |              | 0.00165        | 0.0100         |
| 2,6-Dinitrotoluene          | U                 |              | 0.00279        | 0.0100         |
| Fluoranthene                | U                 |              | 0.000310       | 0.00100        |
| Fluorene                    | U                 |              | 0.000323       | 0.00100        |
| Hexachlorobenzene           | U                 |              | 0.000341       | 0.0100         |
| Hexachloro-1,3-butadiene    | U                 |              | 0.000329       | 0.0100         |
| Hexachlorocyclopentadiene   | U                 |              | 0.00233        | 0.0100         |
| Hexachloroethane            | U                 |              | 0.00365        | 0.0100         |
| Indeno(1,2,3-cd)pyrene      | U                 |              | 0.000279       | 0.00100        |
| Isophorone                  | U                 |              | 0.000272       | 0.0100         |
| 1-Methylnaphthalene         | U                 |              | 0.000332       | 0.00100        |

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Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc



Method Blank (MB)

(MB) 08/20/15 21:47

| Analyte                    | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|----------------------------|-------------------|--------------|----------------|----------------|
| 2-Methylnaphthalene        | U                 |              | 0.000311       | 0.00100        |
| Naphthalene                | U                 |              | 0.000372       | 0.00100        |
| 2-Nitroaniline             | U                 |              | 0.00190        | 0.0100         |
| 3-Nitroaniline             | U                 |              | 0.000308       | 0.0100         |
| 4-Nitroaniline             | U                 |              | 0.000349       | 0.0100         |
| Nitrobenzene               | U                 |              | 0.000367       | 0.0100         |
| n-Nitrosodiphenylamine     | U                 |              | 0.000304       | 0.0100         |
| n-Nitrosodi-n-propylamine  | U                 |              | 0.000403       | 0.0100         |
| Phenanthrene               | U                 |              | 0.000366       | 0.00100        |
| Benzylbutyl phthalate      | U                 |              | 0.000709       | 0.00300        |
| Bis(2-ethylhexyl)phthalate | U                 |              | 0.000709       | 0.00300        |
| Di-n-butyl phthalate       | 0.000541          |              | 0.000266       | 0.00300        |
| Diethyl phthalate          | U                 |              | 0.000282       | 0.00300        |
| Dimethyl phthalate         | U                 |              | 0.000283       | 0.00300        |
| Di-n-octyl phthalate       | U                 |              | 0.000278       | 0.00300        |
| Pyrene                     | U                 |              | 0.000330       | 0.00100        |
| 4-Chloro-3-methylphenol    | U                 |              | 0.000263       | 0.0100         |
| 2-Chlorophenol             | U                 |              | 0.000283       | 0.0100         |
| 2-Methylphenol             | U                 |              | 0.000312       | 0.0100         |
| 3&4-Methyl Phenol          | U                 |              | 0.000266       | 0.0100         |
| 2,4-Dichlorophenol         | U                 |              | 0.000284       | 0.0100         |
| 2,4-Dimethylphenol         | U                 |              | 0.000624       | 0.0100         |
| 4,6-Dinitro-2-methylphenol | U                 |              | 0.00262        | 0.0100         |
| 2,4-Dinitrophenol          | U                 |              | 0.00325        | 0.0100         |
| 2-Nitrophenol              | U                 |              | 0.000320       | 0.0100         |
| 4-Nitrophenol              | U                 |              | 0.00201        | 0.0100         |
| Pentachlorophenol          | U                 |              | 0.000313       | 0.00100        |
| Phenol                     | U                 |              | 0.000334       | 0.0100         |
| 2,4,5-Trichlorophenol      | U                 |              | 0.000216       | 0.0100         |
| (S) Nitrobenzene-d5        | 62.5              |              |                | 21.8-123       |
| (S) 2-Fluorobiphenyl       | 85.9              |              |                | 29.5-131       |
| (S) p-Terphenyl-d14        | 75.2              |              |                | 29.3-137       |
| (S) Phenol-d5              | 35.1              |              |                | 5.00-70.1      |
| (S) 2-Fluorophenol         | 55.9              |              |                | 10.0-77.9      |
| (S) 2,4,6-Tribromophenol   | 84.9              |              |                | 11.2-130       |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

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Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 08/20/15 21:00 • (LCSD) 08/20/15 21:23

| Analyte                     | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acenaphthene                | 0.0500               | 0.0458             | 0.0403              | 91.6          | 80.6           | 38.7-109         |               |                | 12.8     | 21.5            |
| Acetophenone                | 0.0500               | 0.0315             | 0.0299              | 62.9          | 59.8           | 41.6-104         |               |                | 5.12     | 24.8            |
| Acenaphthylene              | 0.0500               | 0.0400             | 0.0385              | 80.0          | 77.1           | 36.0-106         |               |                | 3.73     | 21              |
| Anthracene                  | 0.0500               | 0.0442             | 0.0413              | 88.5          | 82.5           | 43.6-113         |               |                | 6.96     | 18.8            |
| Atrazine                    | 0.0500               | 0.0479             | 0.0450              | 95.7          | 90.0           | 50.0-123         |               |                | 6.10     | 21.5            |
| Benzaldehyde                | 0.0500               | 0.0289             | 0.0354              | 57.8          | 70.8           | 11.7-132         |               |                | 20.2     | 25.2            |
| Benzo(a)anthracene          | 0.0500               | 0.0427             | 0.0413              | 85.4          | 82.7           | 51.2-112         |               |                | 3.24     | 20              |
| Benzo(b)fluoranthene        | 0.0500               | 0.0399             | 0.0385              | 79.8          | 77.0           | 47.6-111         |               |                | 3.60     | 20              |
| Benzo(k)fluoranthene        | 0.0500               | 0.0405             | 0.0374              | 80.9          | 74.7           | 49.4-114         |               |                | 7.98     | 20              |
| Benzo(g,h,i)perylene        | 0.0500               | 0.0482             | 0.0454              | 96.3          | 90.8           | 45.2-117         |               |                | 5.84     | 20              |
| Benzo(a)pyrene              | 0.0500               | 0.0389             | 0.0366              | 77.8          | 73.1           | 45.6-106         |               |                | 6.13     | 20              |
| Biphenyl                    | 0.0500               | 0.0428             | 0.0404              | 85.6          | 80.9           | 38.0-103         |               |                | 5.70     | 20.1            |
| Bis(2-chlorethoxy)methane   | 0.0500               | 0.0313             | 0.0304              | 62.7          | 60.8           | 37.2-111         |               |                | 3.04     | 24.1            |
| Bis(2-chloroethyl)ether     | 0.0500               | 0.0311             | 0.0311              | 62.2          | 62.2           | 22.6-108         |               |                | 0.100    | 27.9            |
| Bis(2-chloroisopropyl)ether | 0.0500               | 0.0376             | 0.0368              | 75.1          | 73.6           | 32.9-100         |               |                | 2.08     | 25.1            |
| 4-Bromophenyl-phenylether   | 0.0500               | 0.0404             | 0.0393              | 80.7          | 78.5           | 40.7-116         |               |                | 2.72     | 21              |
| Caprolactam                 | 0.0500               | 0.0104             | 0.00981             | 20.9          | 19.6           | 10.0-40.4        |               |                | 6.07     | 40              |
| Carbazole                   | 0.0500               | 0.0518             | 0.0486              | 104           | 97.2           | 49.0-110         |               |                | 6.33     | 20              |
| 4-Chloroaniline             | 0.0500               | 0.0280             | 0.0298              | 56.1          | 59.7           | 32.0-104         |               |                | 6.16     | 26.4            |
| 2-Chloronaphthalene         | 0.0500               | 0.0379             | 0.0357              | 75.8          | 71.4           | 33.6-105         |               |                | 5.88     | 23              |
| 4-Chlorophenyl-phenylether  | 0.0500               | 0.0399             | 0.0387              | 79.9          | 77.4           | 39.0-113         |               |                | 3.21     | 20.9            |
| Chrysene                    | 0.0500               | 0.0435             | 0.0414              | 86.9          | 82.9           | 54.6-120         |               |                | 4.81     | 20              |
| Dibenzofuran                | 0.0500               | 0.0423             | 0.0392              | 84.6          | 78.5           | 42.4-105         |               |                | 7.54     | 20              |
| Dibenz(a,h)anthracene       | 0.0500               | 0.0457             | 0.0428              | 91.4          | 85.5           | 42.8-118         |               |                | 6.65     | 20              |
| 3,3-Dichlorobenzidine       | 0.0500               | 0.0452             | 0.0462              | 90.4          | 92.4           | 27.2-142         |               |                | 2.20     | 22.3            |
| 2,4-Dinitrotoluene          | 0.0500               | 0.0470             | 0.0432              | 93.9          | 86.4           | 31.2-105         |               |                | 8.31     | 22              |
| 2,6-Dinitrotoluene          | 0.0500               | 0.0451             | 0.0449              | 90.1          | 89.7           | 30.6-106         |               |                | 0.460    | 23.1            |
| Fluoranthene                | 0.0500               | 0.0453             | 0.0437              | 90.6          | 87.4           | 45.9-115         |               |                | 3.60     | 20              |
| Fluorene                    | 0.0500               | 0.0437             | 0.0391              | 87.4          | 78.1           | 41.0-112         |               |                | 11.1     | 20.2            |
| Hexachlorobenzene           | 0.0500               | 0.0445             | 0.0456              | 89.1          | 91.2           | 38.5-116         |               |                | 2.31     | 20.1            |
| Hexachloro-1,3-butadiene    | 0.0500               | 0.0279             | 0.0313              | 55.7          | 62.5           | 16.1-104         |               |                | 11.5     | 31.2            |
| Hexachlorocyclopentadiene   | 0.0500               | 0.0225             | 0.0192              | 45.0          | 38.5           | 10.0-121         |               |                | 15.6     | 27.9            |
| Hexachloroethane            | 0.0500               | 0.0321             | 0.0356              | 64.2          | 71.2           | 16.5-89.8        |               |                | 10.4     | 30.7            |
| Indeno(1,2,3-cd)pyrene      | 0.0500               | 0.0469             | 0.0444              | 93.9          | 88.9           | 45.0-116         |               |                | 5.47     | 20              |
| Isophorone                  | 0.0500               | 0.0328             | 0.0320              | 65.5          | 63.9           | 35.4-112         |               |                | 2.50     | 21.5            |
| 1-Methylnaphthalene         | 0.0500               | 0.0413             | 0.0412              | 82.7          | 82.4           | 34.7-102         |               |                | 0.370    | 24.9            |

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Cp

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Tc

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Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 08/20/15 21:00 • (LCSD) 08/20/15 21:23

| Analyte                    | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| 2-Methylnaphthalene        | 0.0500               | 0.0348             | 0.0348              | 69.6          | 69.7           | 33.8-98.6        |               |                | 0.0600   | 24.2            |
| 2-Nitroaniline             | 0.0500               | 0.0501             | 0.0481              | 100           | 96.1           | 35.6-113         |               |                | 4.23     | 20.9            |
| Naphthalene                | 0.0500               | 0.0340             | 0.0366              | 68.0          | 73.3           | 32.2-101         |               |                | 7.52     | 23.8            |
| 3-Nitroaniline             | 0.0500               | 0.0498             | 0.0471              | 99.7          | 94.1           | 33.6-103         |               |                | 5.72     | 21.8            |
| 4-Nitroaniline             | 0.0500               | 0.0589             | 0.0567              | 118           | 113            | 35.4-124         |               |                | 3.77     | 23.1            |
| Nitrobenzene               | 0.0500               | 0.0292             | 0.0316              | 58.5          | 63.2           | 31.4-106         |               |                | 7.74     | 25.7            |
| n-Nitrosodiphenylamine     | 0.0500               | 0.0438             | 0.0428              | 87.5          | 85.7           | 44.4-113         |               |                | 2.11     | 20              |
| n-Nitrosodi-n-propylamine  | 0.0500               | 0.0379             | 0.0355              | 75.8          | 71.0           | 33.2-106         |               |                | 6.44     | 23.7            |
| Phenanthrene               | 0.0500               | 0.0421             | 0.0409              | 84.3          | 81.7           | 46.4-113         |               |                | 3.12     | 20              |
| Benzylbutyl phthalate      | 0.0500               | 0.0450             | 0.0433              | 90.0          | 86.5           | 31.8-123         |               |                | 3.96     | 20.7            |
| Bis(2-ethylhexyl)phthalate | 0.0500               | 0.0461             | 0.0446              | 92.2          | 89.3           | 36.9-134         |               |                | 3.22     | 23.6            |
| Di-n-butyl phthalate       | 0.0500               | 0.0438             | 0.0418              | 87.6          | 83.6           | 41.8-120         |               |                | 4.71     | 20.2            |
| Diethyl phthalate          | 0.0500               | 0.0452             | 0.0422              | 90.5          | 84.3           | 36.5-129         |               |                | 7.04     | 20              |
| Dimethyl phthalate         | 0.0500               | 0.0464             | 0.0421              | 92.8          | 84.3           | 35.3-128         |               |                | 9.56     | 20.8            |
| Di-n-octyl phthalate       | 0.0500               | 0.0467             | 0.0445              | 93.3          | 88.9           | 39.7-112         |               |                | 4.86     | 21.1            |
| Pyrene                     | 0.0500               | 0.0460             | 0.0445              | 91.9          | 88.9           | 46.3-117         |               |                | 3.28     | 20              |
| 4-Chloro-3-methylphenol    | 0.0500               | 0.0395             | 0.0381              | 79.1          | 76.3           | 35.7-100         |               |                | 3.61     | 22.9            |
| 2-Methylphenol             | 0.0500               | 0.0309             | 0.0287              | 61.8          | 57.5           | 26.4-86.9        |               |                | 7.20     | 26.5            |
| 2-Chlorophenol             | 0.0500               | 0.0354             | 0.0354              | 70.7          | 70.9           | 26.2-91.5        |               |                | 0.230    | 26.5            |
| 3&4-Methyl Phenol          | 0.0500               | 0.0325             | 0.0321              | 65.0          | 64.3           | 27.9-92.0        |               |                | 1.07     | 27              |
| 2,4-Dichlorophenol         | 0.0500               | 0.0409             | 0.0402              | 81.9          | 80.5           | 31.4-103         |               |                | 1.67     | 24.9            |
| 2,4-Dimethylphenol         | 0.0500               | 0.0379             | 0.0363              | 75.7          | 72.5           | 31.9-107         |               |                | 4.33     | 25.7            |
| 4,6-Dinitro-2-methylphenol | 0.0500               | 0.0436             | 0.0434              | 87.2          | 86.9           | 18.4-148         |               |                | 0.320    | 24.4            |
| 2,4-Dinitrophenol          | 0.0500               | 0.0286             | 0.0328              | 57.2          | 65.6           | 24.2-128         |               |                | 13.8     | 20.5            |
| 2-Nitrophenol              | 0.0500               | 0.0422             | 0.0451              | 84.5          | 90.1           | 25.9-106         |               |                | 6.49     | 26.9            |
| 4-Nitrophenol              | 0.0500               | 0.0229             | 0.0225              | 45.9          | 45.0           | 10.0-52.7        |               |                | 1.98     | 40              |
| Pentachlorophenol          | 0.0500               | 0.0363             | 0.0316              | 72.6          | 63.2           | 10.0-97.4        |               |                | 13.9     | 35.1            |
| Phenol                     | 0.0500               | 0.0173             | 0.0172              | 34.6          | 34.5           | 10.0-57.9        |               |                | 0.390    | 35              |
| 2,4,5-Trichlorophenol      | 0.0500               | 0.0416             | 0.0387              | 83.3          | 77.4           | 34.9-112         |               |                | 7.27     | 23.9            |
| (S) Nitrobenzene-d5        |                      |                    |                     | 62.1          | 57.6           | 21.8-123         |               |                |          |                 |
| (S) 2-Fluorobiphenyl       |                      |                    |                     | 84.2          | 69.7           | 29.5-131         |               |                |          |                 |
| (S) p-Terphenyl-d14        |                      |                    |                     | 74.0          | 68.0           | 29.3-137         |               |                |          |                 |
| (S) Phenol-d5              |                      |                    |                     | 34.6          | 32.1           | 5.00-70.1        |               |                |          |                 |
| (S) 2-Fluorophenol         |                      |                    |                     | 48.2          | 45.2           | 10.0-77.9        |               |                |          |                 |
| (S) 2,4,6-Tribromophenol   |                      |                    |                     | 105           | 93.7           | 11.2-130         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



## Abbreviations and Definitions

|                 |                                                                                                                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SDG             | Sample Delivery Group.                                                                                                                                                                                                                                                       |
| MDL             | Method Detection Limit.                                                                                                                                                                                                                                                      |
| RDL             | Reported Detection Limit.                                                                                                                                                                                                                                                    |
| ND,U            | Not detected at the Reporting Limit (or MDL where applicable).                                                                                                                                                                                                               |
| RPD             | Relative Percent Difference.                                                                                                                                                                                                                                                 |
| (dry)           | Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].                                                                                                                                                     |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.                                                                              |
| (S)             | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. |
| Rec.            | Recovery.                                                                                                                                                                                                                                                                    |
| SDL             | Sample Detection Limit.                                                                                                                                                                                                                                                      |
| MQL             | Method Quantitation Limit.                                                                                                                                                                                                                                                   |
| Unadj. MQL      | Unadjusted Method Quantitation Limit.                                                                                                                                                                                                                                        |

## Qualifier      Description

|   |                                                                                     |
|---|-------------------------------------------------------------------------------------|
| 4 | The sample concentration was greater than 4 times the spike value.                  |
| * | LCS/LCSD recovery outside the control limit or RPD value outside the control limit. |
| F | The MS/MSD recovery outside the control limit.                                      |
| J | Estimated value.                                                                    |
| X | Surrogate recovery outside the control limit.                                       |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.

## State Accreditations

|                       |             |                             |                   |
|-----------------------|-------------|-----------------------------|-------------------|
| Alabama               | 40660       | Nevada                      | TN-03-2002-34     |
| Alaska                | UST-080     | New Hampshire               | 2975              |
| Arizona               | AZ0612      | New Jersey–NELAP            | TN002             |
| Arkansas              | 88-0469     | New Mexico                  | TN00003           |
| California            | 01157CA     | New York                    | 11742             |
| Colorado              | TN00003     | North Carolina              | Env375            |
| Connecticut           | PH-0197     | North Carolina <sup>1</sup> | DW21704           |
| Florida               | E87487      | North Carolina <sup>2</sup> | 41                |
| Georgia               | NELAP       | North Dakota                | R-140             |
| Georgia <sup>1</sup>  | 923         | Ohio–VAP                    | CL0069            |
| Idaho                 | TN00003     | Oklahoma                    | 9915              |
| Illinois              | 200008      | Oregon                      | TN200002          |
| Indiana               | C-TN-01     | Pennsylvania                | 68-02979          |
| Iowa                  | 364         | Rhode Island                | 221               |
| Kansas                | E-10277     | South Carolina              | 84004             |
| Kentucky <sup>1</sup> | 90010       | South Dakota                | n/a               |
| Kentucky <sup>2</sup> | 16          | Tennessee <sup>14</sup>     | 2006              |
| Louisiana             | AI30792     | Texas                       | T 104704245-07-TX |
| Maine                 | TN0002      | Texas <sup>5</sup>          | LAB0152           |
| Maryland              | 324         | Utah                        | 6157585858        |
| Massachusetts         | M-TN003     | Vermont                     | VT2006            |
| Michigan              | 9958        | Virginia                    | 109               |
| Minnesota             | 047-999-395 | Washington                  | C1915             |
| Mississippi           | TN00003     | West Virginia               | 233               |
| Missouri              | 340         | Wisconsin                   | 9980939910        |
| Montana               | CERT0086    | Wyoming                     | A2LA              |
| Nebraska              | NE-OS-15-05 |                             |                   |

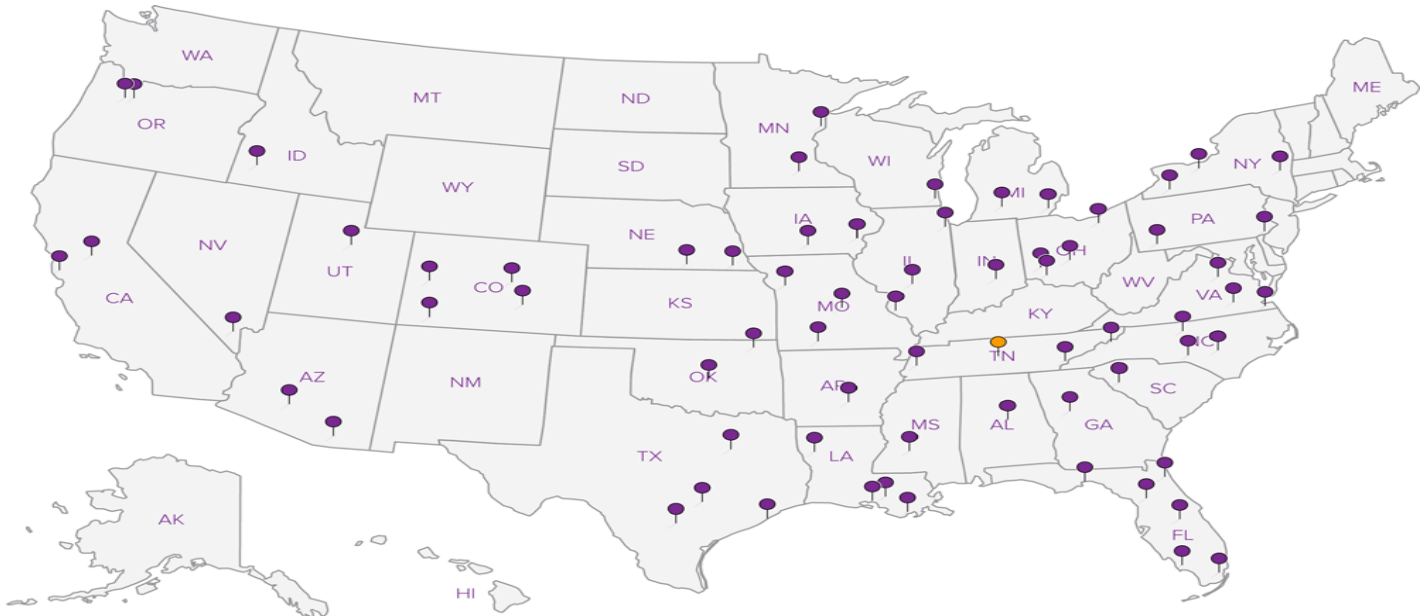
<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>n/a</sup> Accreditation not applicable

## Third Party & Federal Accreditations

|                  |         |      |         |
|------------------|---------|------|---------|
| A2LA – ISO 17025 | 1461.01 | AIHA | 100789  |
| Canada           | 1461.01 | DOD  | 1461.01 |
| EPA–Crypto       | TN00003 | USDA | S-67674 |

## Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



# ARCADIS US - TX

2929 Briarpark Dr., Suite 300  
Houston, TX 77042

## Billing Information:

Att: Accounts Payable  
630 Plaza Drive, Suite 600  
Highlands Ranch, CO 80129

Report to:  
Pam Krueger

Email To: pam.krueger@arcadis-us.com;  
maisha.turner@arcadis-us.com;

Project  
Description: Navajo Refining Company - Artesia, NM

City/State  
Collected:

Phone: 713-953-4800  
Fax:

Client Project #  
TX000836.0008.00004

Lab Project #  
ARCADHTX-NAVAJO FULL

Collected by (print):  
Eric Bergersen

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Date Results Needed

Immediately  
Packed on Ice N ☐ Y ☒

Same Day .....200%  
Next Day .....100%  
Two Day .....50%  
Three Day .....25%

Email? ☐ No ☐ Yes

FAX? ☐ No ☐ Yes

No.  
of  
Cntrs

| Sample ID | Comp/Grab | Matrix * | Depth | Date    | Time | No.<br>of<br>Cntrs | 8270 100ml Amb NoPres | CL, FL, SO4 125mlHDPE-NoPres | CN 250mlHDPEAmb-NaOH | <del>CHLORIDE 250mlHDPE-NoPres</del> TDS | <del>DRO 40mlAmb-HCl-BT</del> V8260 | DROOROLVI 40mlAmb-HCl-BT | GRO 40mlAmb HCl | METALS 6020 500mlHDPE-HNO3 | METALS 6020, HG 40zClr-NoPres | NO2NO3 250mlHDPE-H2SO4 | Rem./Contaminant | Sample # (lab only) |
|-----------|-----------|----------|-------|---------|------|--------------------|-----------------------|------------------------------|----------------------|------------------------------------------|-------------------------------------|--------------------------|-----------------|----------------------------|-------------------------------|------------------------|------------------|---------------------|
| MW-137    | G         | GW       | —     | 8/13/15 | 1100 | 14                 | X                     | X                            | X                    | X                                        | X                                   | X                        | X               | X                          |                               | X                      |                  | 01                  |
| MW-138    | G         | GW       | —     | 8/13/15 | 1000 | 14                 | X                     | X                            | X                    | X                                        | X                                   | X                        | X               | X                          |                               | X                      |                  | 02                  |
| DUP-01    | G         | GW       | —     | —       | —    | 14                 | X                     | X                            | X                    | X                                        | X                                   | X                        | X               | X                          |                               | X                      |                  | 03                  |
|           |           | GW       |       |         |      | 14                 | X                     | X                            | X                    |                                          |                                     | X                        | X               | X                          |                               | X                      |                  |                     |
|           |           | GW       |       |         |      | 14                 | X                     | X                            | X                    |                                          |                                     | X                        | X               | X                          |                               | X                      |                  |                     |
|           |           | GW       |       |         |      | 14                 | X                     | X                            | X                    |                                          |                                     | X                        | X               | X                          |                               | X                      |                  |                     |
|           |           | SS       |       |         |      | 4                  |                       |                              |                      | X                                        | X                                   |                          |                 |                            | X                             |                        |                  |                     |
|           |           | SS       |       |         |      | 4                  |                       |                              |                      | X                                        | X                                   |                          |                 |                            | X                             |                        |                  |                     |
|           |           | SS       |       |         |      | 4                  |                       |                              |                      | X                                        | X                                   |                          |                 |                            | X                             |                        |                  |                     |
|           |           | SS       |       |         |      | 4                  |                       |                              |                      | X                                        | X                                   |                          |                 |                            | X                             |                        |                  |                     |

\* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Hold #

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Samples returned via: ☐ UPS

Condition: (lab use only)

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: 24°C Bottles Received: 42 + 2TB

COC Seal Intact: ☒ Y ☐ N ☐ NA

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: 8-14-15

Time:

0930

pH Checked:

NCF:



YOUR LAB OF CHOICE

12065 Lebanon Rd  
Mount Juliet, TN 37122  
Phone: 615-758-5858  
Phone: 800-767-5859  
Fax: 615-758-5859



L# 782921

1033

Acctnum: ARCADHTX

Template: T104528

Prelogin: P518907

TSR: 633 - Pam Langford

PB: 73178

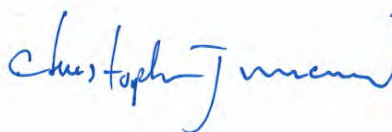
Shipped Via: FedEx Ground



## ARCADIS US - TX

Sample Delivery Group: L795810  
Samples Received: 10/21/2015  
Project Number: TX000836.0007.15004  
Description: Navajo Refining Company - Artesia, NM  
Site: EP  
Report To: Pam Krueger  
2929 Briarpark Dr., Suite 300  
Houston, TX 77042

Entire Report Reviewed By:



Chris McCord  
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.





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# SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



## MW-120 L795810-01 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 17:45

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823728 | 1        | 10/23/15 13:33           | 10/24/15 15:12        | MF               |
| Metals (ICPMS) by Method 6020                        | WG824775 | 1        | 10/27/15 13:54           | 10/28/15 20:53        | JD               |
| Metals (ICPMS) by Method 6020                        | WG824775 | 10       | 10/27/15 13:54           | 10/29/15 11:39        | JD               |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823912 | 1        | 10/24/15 09:25           | 10/24/15 16:33        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG825038 | 1        | 10/28/15 09:59           | 10/28/15 09:59        | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824204 | 1        | 10/25/15 14:15           | 10/25/15 14:15        | BMB              |
| Wet Chemistry by Method 353.2                        | WG824959 | 1        | 10/28/15 15:45           | 10/28/15 15:45        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 1        | 10/23/15 12:26           | 10/23/15 12:26        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 100      | 10/23/15 13:23           | 10/23/15 13:23        | DJD              |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

## MW-121 L795810-02 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 16:55

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823728 | 1        | 10/23/15 13:33           | 10/24/15 15:13        | MF               |
| Metals (ICPMS) by Method 6020                        | WG824775 | 1        | 10/27/15 13:54           | 10/28/15 21:24        | VSS              |
| Metals (ICPMS) by Method 6020                        | WG824775 | 5        | 10/27/15 13:54           | 10/29/15 11:42        | JD               |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823912 | 1        | 10/24/15 09:25           | 10/24/15 16:58        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG825038 | 1        | 10/28/15 10:20           | 10/28/15 10:20        | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824204 | 1        | 10/25/15 14:39           | 10/25/15 14:39        | BMB              |
| Wet Chemistry by Method 353.2                        | WG824959 | 1        | 10/28/15 15:46           | 10/28/15 15:46        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 1        | 10/23/15 12:40           | 10/23/15 12:40        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 100      | 10/23/15 13:38           | 10/23/15 13:38        | DJD              |

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## MW-84 L795810-03 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 13:25

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823728 | 1        | 10/23/15 13:33           | 10/24/15 15:12        | MF               |
| Metals (ICPMS) by Method 6020                        | WG824775 | 10       | 10/27/15 13:54           | 10/28/15 21:27        | VSS              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823912 | 50       | 10/24/15 09:25           | 10/27/15 17:12        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823731 | 1        | 10/27/15 14:44           | 10/27/15 14:44        | BMB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824204 | 1        | 10/25/15 15:03           | 10/25/15 15:03        | BMB              |
| Wet Chemistry by Method 353.2                        | WG824959 | 1        | 10/28/15 15:47           | 10/28/15 15:47        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 1        | 10/23/15 12:54           | 10/23/15 12:54        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 100      | 10/23/15 13:52           | 10/23/15 13:52        | DJD              |

## MW-122 L795810-04 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 14:45

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823728 | 1        | 10/23/15 13:33           | 10/24/15 15:10        | MF               |
| Metals (ICPMS) by Method 6020                        | WG824775 | 2        | 10/27/15 13:54           | 10/28/15 21:29        | VSS              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823912 | 1        | 10/24/15 09:25           | 10/24/15 17:47        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG825038 | 1        | 10/28/15 10:42           | 10/28/15 10:42        | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824204 | 1        | 10/25/15 15:27           | 10/25/15 15:27        | BMB              |
| Wet Chemistry by Method 353.2                        | WG824959 | 1        | 10/28/15 15:48           | 10/28/15 15:48        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 1        | 10/23/15 14:50           | 10/23/15 14:50        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 100      | 10/23/15 16:02           | 10/23/15 16:02        | DJD              |

# SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



## MW-79 L795810-05 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 10:20

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823728 | 1        | 10/23/15 13:33        | 10/24/15 15:12     | MF               |
| Metals (ICPMS) by Method 6020                        | WG824775 | 2        | 10/27/15 13:54        | 10/28/15 21:31     | VSS              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823912 | 1        | 10/24/15 09:25        | 10/24/15 18:12     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823731 | 1        | 10/27/15 17:13        | 10/27/15 17:13     | BMB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824204 | 1        | 10/25/15 15:52        | 10/25/15 15:52     | BMB              |
| Wet Chemistry by Method 353.2                        | WG824959 | 1        | 10/28/15 15:49        | 10/28/15 15:49     | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 1        | 10/23/15 15:04        | 10/23/15 15:04     | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 100      | 10/23/15 16:19        | 10/23/15 16:19     | DJD              |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

## MW-74 L795810-06 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 11:25

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823728 | 1        | 10/23/15 13:33        | 10/24/15 15:13     | MF               |
| Metals (ICPMS) by Method 6020                        | WG824775 | 2        | 10/27/15 13:54        | 10/28/15 21:34     | VSS              |
| Metals (ICPMS) by Method 6020                        | WG824775 | 50       | 10/27/15 13:54        | 10/28/15 22:14     | VSS              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823912 | 20       | 10/24/15 09:25        | 10/27/15 17:37     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823731 | 1        | 10/27/15 17:37        | 10/27/15 17:37     | BMB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824204 | 1        | 10/25/15 16:16        | 10/25/15 16:16     | BMB              |
| Wet Chemistry by Method 353.2                        | WG824959 | 5        | 10/28/15 15:51        | 10/28/15 15:51     | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 1        | 10/23/15 15:18        | 10/23/15 15:18     | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 100      | 10/23/15 16:33        | 10/23/15 16:33     | DJD              |

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## MW-2A L795810-07 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 15:55

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823728 | 1        | 10/23/15 13:33        | 10/24/15 15:12     | MF               |
| Metals (ICPMS) by Method 6020                        | WG824775 | 2        | 10/27/15 13:54        | 10/28/15 21:36     | VSS              |
| Metals (ICPMS) by Method 6020                        | WG824775 | 50       | 10/27/15 13:54        | 10/28/15 22:16     | VSS              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823912 | 1        | 10/24/15 09:25        | 10/24/15 19:02     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823731 | 1        | 10/27/15 18:02        | 10/27/15 18:02     | BMB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824204 | 1        | 10/25/15 16:40        | 10/25/15 16:40     | BMB              |
| Wet Chemistry by Method 353.2                        | WG824959 | 1        | 10/28/15 15:52        | 10/28/15 15:52     | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 1        | 10/23/15 15:33        | 10/23/15 15:33     | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 100      | 10/23/15 16:48        | 10/23/15 16:48     | DJD              |

## OCD-6 L795810-08 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 09:20

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823728 | 1        | 10/23/15 13:33        | 10/24/15 15:10     | MF               |
| Metals (ICPMS) by Method 6020                        | WG824775 | 2        | 10/27/15 13:54        | 10/28/15 21:39     | VSS              |
| Metals (ICPMS) by Method 6020                        | WG824775 | 50       | 10/27/15 13:54        | 10/28/15 22:19     | VSS              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823912 | 1        | 10/24/15 09:25        | 10/24/15 19:27     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823731 | 1        | 10/27/15 18:27        | 10/27/15 18:27     | BMB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824204 | 1        | 10/25/15 17:04        | 10/25/15 17:04     | BMB              |
| Wet Chemistry by Method 353.2                        | WG824959 | 1        | 10/28/15 15:53        | 10/28/15 15:53     | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 1        | 10/23/15 15:47        | 10/23/15 15:47     | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 100      | 10/23/15 17:02        | 10/23/15 17:02     | DJD              |



## OCD-7AR L795810-09 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/19/15 08:35Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823728 | 1        | 10/23/15 13:33           | 10/24/15 15:13        | MF               |
| Metals (ICPMS) by Method 6020                        | WG824775 | 2        | 10/27/15 13:54           | 10/28/15 21:41        | VSS              |
| Metals (ICPMS) by Method 6020                        | WG824775 | 50       | 10/27/15 13:54           | 10/28/15 22:21        | VSS              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823912 | 1        | 10/24/15 09:25           | 10/24/15 19:51        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823731 | 1        | 10/27/15 18:52           | 10/27/15 18:52        | BMB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824204 | 1        | 10/25/15 17:28           | 10/25/15 17:28        | BMB              |
| Wet Chemistry by Method 353.2                        | WG824959 | 1        | 10/28/15 15:54           | 10/28/15 15:54        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 1        | 10/23/15 17:45           | 10/23/15 17:45        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 100      | 10/23/15 18:28           | 10/23/15 18:28        | DJD              |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## OCD-1R L795810-10 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/19/15 08:30Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823728 | 1        | 10/23/15 13:33           | 10/24/15 15:10        | MF               |
| Metals (ICPMS) by Method 6020                        | WG824775 | 2        | 10/27/15 13:54           | 10/28/15 21:43        | VSS              |
| Metals (ICPMS) by Method 6020                        | WG824775 | 50       | 10/27/15 13:54           | 10/28/15 22:23        | VSS              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823912 | 1        | 10/24/15 09:25           | 10/24/15 20:16        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823731 | 1        | 10/27/15 19:16           | 10/27/15 19:16        | BMB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824204 | 1        | 10/25/15 17:52           | 10/25/15 17:52        | BMB              |
| Wet Chemistry by Method 353.2                        | WG824959 | 1        | 10/28/15 15:55           | 10/28/15 15:55        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 1        | 10/23/15 18:00           | 10/23/15 18:00        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 100      | 10/23/15 18:43           | 10/23/15 18:43        | DJD              |

## OCD-5 L795810-11 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/19/15 09:25Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823730 | 1        | 10/23/15 14:07           | 10/26/15 12:05        | MF               |
| Metals (ICPMS) by Method 6020                        | WG824775 | 2        | 10/27/15 13:54           | 10/28/15 21:46        | VSS              |
| Metals (ICPMS) by Method 6020                        | WG824775 | 50       | 10/27/15 13:54           | 10/28/15 22:26        | VSS              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823912 | 1        | 10/24/15 09:25           | 10/24/15 22:20        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823731 | 1        | 10/27/15 19:41           | 10/27/15 19:41        | BMB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824204 | 1        | 10/25/15 18:16           | 10/25/15 18:16        | BMB              |
| Wet Chemistry by Method 353.2                        | WG824959 | 1        | 10/28/15 16:01           | 10/28/15 16:01        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 1        | 10/23/15 18:14           | 10/23/15 18:14        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823861 | 100      | 10/23/15 19:01           | 10/23/15 19:01        | DJD              |

## MW-124 L795810-12 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/19/15 17:30Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823730 | 1        | 10/23/15 14:07           | 10/26/15 12:06        | MF               |
| Metals (ICPMS) by Method 6020                        | WG824775 | 2        | 10/27/15 13:54           | 10/28/15 22:02        | VSS              |
| Metals (ICPMS) by Method 6020                        | WG824775 | 20       | 10/27/15 13:54           | 10/28/15 22:28        | VSS              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823912 | 1        | 10/24/15 09:25           | 10/24/15 22:45        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG825038 | 1        | 10/28/15 11:04           | 10/28/15 11:04        | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824204 | 1        | 10/25/15 18:40           | 10/25/15 18:40        | BMB              |
| Wet Chemistry by Method 353.2                        | WG824959 | 1        | 10/28/15 16:02           | 10/28/15 16:02        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824149 | 1        | 10/24/15 13:16           | 10/24/15 13:16        | CM               |
| Wet Chemistry by Method 9056MOD                      | WG824149 | 100      | 10/24/15 20:28           | 10/24/15 20:28        | CM               |

# SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



## EB-EP-02 L795810-13 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 17:45

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823730 | 1        | 10/23/15 14:07        | 10/26/15 12:20     | MF               |
| Metals (ICPMS) by Method 6020                        | WG824775 | 1        | 10/27/15 13:54        | 10/28/15 21:02     | VSS              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823912 | 1        | 10/24/15 09:25        | 10/24/15 23:10     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823733 | 1        | 10/27/15 09:49        | 10/27/15 09:49     | BMB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824204 | 1        | 10/25/15 19:04        | 10/25/15 19:04     | BMB              |
| Wet Chemistry by Method 353.2                        | WG824959 | 1        | 10/28/15 16:03        | 10/28/15 16:03     | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824149 | 1        | 10/24/15 14:53        | 10/24/15 14:53     | CM               |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## OCD-2A L795810-14 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 12:35

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Metals (ICPMS) by Method 6020                        | WG824775 | 2        | 10/27/15 13:54        | 10/28/15 22:05     | VSS              |
| Metals (ICPMS) by Method 6020                        | WG824775 | 20       | 10/27/15 13:54        | 10/28/15 22:30     | VSS              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823912 | 1        | 10/24/15 09:25        | 10/24/15 23:35     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823733 | 1        | 10/27/15 10:11        | 10/27/15 10:11     | BMB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824204 | 1        | 10/25/15 19:28        | 10/25/15 19:28     | BMB              |

## OCD-3 L795810-15 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 11:45

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Metals (ICPMS) by Method 6020                        | WG824775 | 1        | 10/27/15 13:54        | 10/28/15 22:54     | VSS              |
| Metals (ICPMS) by Method 6020                        | WG824775 | 10       | 10/27/15 13:54        | 10/28/15 23:55     | VSS              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823912 | 1        | 10/24/15 09:25        | 10/24/15 23:59     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823733 | 1        | 10/27/15 10:33        | 10/27/15 10:33     | BMB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824204 | 1        | 10/25/15 19:52        | 10/25/15 19:52     | BMB              |

## OCD-4 L795810-16 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 11:00

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Metals (ICPMS) by Method 6020                        | WG824775 | 1        | 10/27/15 13:54        | 10/28/15 22:57     | VSS              |
| Metals (ICPMS) by Method 6020                        | WG824775 | 50       | 10/27/15 13:54        | 10/28/15 23:57     | VSS              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823912 | 1        | 10/24/15 09:25        | 10/25/15 00:24     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823733 | 1        | 10/27/15 09:06        | 10/27/15 09:06     | BMB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824204 | 1        | 10/25/15 20:16        | 10/25/15 20:16     | BMB              |

## MW-11A L795810-17 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 10:15

Received date/time  
10/21/15 09:00

| Method                                     | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|--------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011 | WG823730 | 1        | 10/23/15 14:07        | 10/26/15 12:13     | MF               |
| Metals (ICPMS) by Method 6020              | WG824775 | 1        | 10/27/15 13:54        | 10/28/15 22:59     | VSS              |
| Metals (ICPMS) by Method 6020              | WG824775 | 100      | 10/27/15 13:54        | 10/28/15 23:59     | VSS              |
| Wet Chemistry by Method 353.2              | WG824959 | 1        | 10/28/15 16:05        | 10/28/15 16:05     | ASK              |
| Wet Chemistry by Method 9056MOD            | WG824149 | 1        | 10/24/15 13:30        | 10/24/15 13:30     | CM               |
| Wet Chemistry by Method 9056MOD            | WG824149 | 100      | 10/24/15 20:41        | 10/24/15 20:41     | CM               |



## MW-70 L795810-18 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/19/15 16:45Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Metals (ICPMS) by Method 6020                        | WG824775 | 1        | 10/27/15 13:54           | 10/28/15 23:01        | VSS              |
| Metals (ICPMS) by Method 6020                        | WG824775 | 10       | 10/27/15 13:54           | 10/29/15 00:02        | VSS              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823912 | 1        | 10/24/15 09:25           | 10/25/15 00:49        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823733 | 1        | 10/27/15 10:55           | 10/27/15 10:55        | BMB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824204 | 1        | 10/25/15 20:40           | 10/25/15 20:40        | BMB              |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn

## MW-87 L795810-19 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/19/15 15:05Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Metals (ICPMS) by Method 6020                        | WG824775 | 1        | 10/27/15 13:54           | 10/28/15 23:04        | VSS              |
| Metals (ICPMS) by Method 6020                        | WG824775 | 50       | 10/27/15 13:54           | 10/29/15 00:04        | VSS              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823912 | 1        | 10/24/15 09:25           | 10/25/15 01:14        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823733 | 1        | 10/27/15 11:17           | 10/27/15 11:17        | BMB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824204 | 1        | 10/25/15 21:04           | 10/25/15 21:04        | BMB              |

<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al

## MW-5A L795810-20 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/19/15 15:00Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823730 | 1        | 10/23/15 14:07           | 10/26/15 12:08        | MF               |
| Metals (ICPMS) by Method 6020                        | WG824775 | 1        | 10/27/15 13:54           | 10/28/15 23:06        | VSS              |
| Metals (ICPMS) by Method 6020                        | WG824775 | 50       | 10/27/15 13:54           | 10/29/15 00:06        | VSS              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823912 | 1        | 10/24/15 09:25           | 10/25/15 01:39        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823733 | 1        | 10/27/15 11:39           | 10/27/15 11:39        | BMB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824204 | 1        | 10/25/15 21:28           | 10/25/15 21:28        | BMB              |
| Wet Chemistry by Method 353.2                        | WG824959 | 1        | 10/28/15 16:06           | 10/28/15 16:06        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824149 | 1        | 10/24/15 13:44           | 10/24/15 13:44        | CM               |
| Wet Chemistry by Method 9056MOD                      | WG824149 | 100      | 10/24/15 20:55           | 10/24/15 20:55        | CM               |
| Wet Chemistry by Method 9056MOD                      | WG824952 | 200      | 10/28/15 10:24           | 10/28/15 10:24        | CM               |

<sup>9</sup> Sc



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord  
Technical Service Representative

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 9720000 |           | 2820 | 10000 | 1        | 10/24/2015 15:12 | <a href="#">WG823728</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 35.0   | J         | 19.7 | 100  | 1        | 10/28/2015 15:45 | <a href="#">WG824959</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 3640000 |           | 5190 | 100000 | 100      | 10/23/2015 13:23 | <a href="#">WG823861</a> |
| Fluoride | 2380    |           | 9.90 | 100    | 1        | 10/23/2015 12:26 | <a href="#">WG823861</a> |
| Sulfate  | 3100000 |           | 7740 | 500000 | 100      | 10/23/2015 13:23 | <a href="#">WG823861</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result  | Qualifier | MDL   | RDL   | Dilution | Analysis         | Batch                    |
|-----------|---------|-----------|-------|-------|----------|------------------|--------------------------|
|           | ug/l    |           | ug/l  | ug/l  |          | date / time      |                          |
| Arsenic   | 10.1    |           | 0.250 | 2.00  | 1        | 10/28/2015 20:53 | <a href="#">WG824775</a> |
| Barium    | 14.9    |           | 0.360 | 5.00  | 1        | 10/28/2015 20:53 | <a href="#">WG824775</a> |
| Calcium   | 860000  | 4 O1      | 460   | 10000 | 10       | 10/29/2015 11:39 | <a href="#">WG824775</a> |
| Chromium  | U       |           | 0.540 | 2.00  | 1        | 10/28/2015 20:53 | <a href="#">WG824775</a> |
| Iron      | 4740    |           | 15.0  | 100   | 1        | 10/28/2015 20:53 | <a href="#">WG824775</a> |
| Lead      | U       |           | 0.240 | 2.00  | 1        | 10/28/2015 20:53 | <a href="#">WG824775</a> |
| Manganese | 1790    |           | 0.250 | 5.00  | 1        | 10/28/2015 20:53 | <a href="#">WG824775</a> |
| Potassium | 3600    |           | 37.0  | 1000  | 1        | 10/28/2015 20:53 | <a href="#">WG824775</a> |
| Selenium  | 1.13    | J         | 0.380 | 2.00  | 1        | 10/28/2015 20:53 | <a href="#">WG824775</a> |
| Sodium    | 1790000 | 4 O1      | 1100  | 10000 | 10       | 10/29/2015 11:39 | <a href="#">WG824775</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 181    |           | 31.4 | 100      | 1        | 10/28/2015 09:59 | <a href="#">WG825038</a> |
| (S) a,a,a-Trifluorotoluene(FID) 97.1 |        |           |      | 62.0-128 |          | 10/28/2015 09:59 | <a href="#">WG825038</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/25/2015 14:15 | <a href="#">WG824204</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/25/2015 14:15 | <a href="#">WG824204</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/25/2015 14:15 | <a href="#">WG824204</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/25/2015 14:15 | <a href="#">WG824204</a> |
| Bromomethane         | U      | *         | 0.866 | 5.00 | 1        | 10/25/2015 14:15 | <a href="#">WG824204</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/25/2015 14:15 | <a href="#">WG824204</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/25/2015 14:15 | <a href="#">WG824204</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/25/2015 14:15 | <a href="#">WG824204</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/25/2015 14:15 | <a href="#">WG824204</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/25/2015 14:15 | <a href="#">WG824204</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/25/2015 14:15 | <a href="#">WG824204</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/25/2015 14:15 | <a href="#">WG824204</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/25/2015 14:15 | <a href="#">WG824204</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/25/2015 14:15 | <a href="#">WG824204</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/25/2015 14:15 | <a href="#">WG824204</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/25/2015 14:15 | <a href="#">WG824204</a> |





## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 14:15        | WG824204 |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 14:15        | WG824204 |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 14:15        | WG824204 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 14:15        | WG824204 |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 14:15        | WG824204 |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 14:15        | WG824204 |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 14:15        | WG824204 |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 14:15        | WG824204 |
| (S) Toluene-d8              | 99.6           |           |             | 90.0-115    |          | 10/25/2015 14:15        | WG824204 |
| (S) Dibromofluoromethane    | 97.7           |           |             | 79.0-121    |          | 10/25/2015 14:15        | WG824204 |
| (S) 4-Bromofluorobenzene    | 111            |           |             | 80.1-120    |          | 10/25/2015 14:15        | WG824204 |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) High Fraction | 1300           |           | 24.7        | 100         | 1        | 10/24/2015 16:33        | WG823912 |
| (S) o-Terphenyl            | 79.3           |           |             | 50.0-150    |          | 10/24/2015 16:33        | WG823912 |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 6290000 |           | 2820 | 10000 | 1        | 10/24/2015 15:13 | <a href="#">WG823728</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 2960   |           | 19.7 | 100  | 1        | 10/28/2015 15:46 | <a href="#">WG824959</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 1220000 |           | 5190 | 100000 | 100      | 10/23/2015 13:38 | <a href="#">WG823861</a> |
| Fluoride | 4240    |           | 9.90 | 100    | 1        | 10/23/2015 12:40 | <a href="#">WG823861</a> |
| Sulfate  | 3360000 |           | 7740 | 500000 | 100      | 10/23/2015 13:38 | <a href="#">WG823861</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 41.3   |           | 1.25  | 10.0 | 5        | 10/29/2015 11:42 | <a href="#">WG824775</a> |
| Barium    | 13.8   |           | 0.360 | 5.00 | 1        | 10/28/2015 21:24 | <a href="#">WG824775</a> |
| Calcium   | 619000 |           | 230   | 5000 | 5        | 10/29/2015 11:42 | <a href="#">WG824775</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/28/2015 21:24 | <a href="#">WG824775</a> |
| Iron      | 287    |           | 15.0  | 100  | 1        | 10/28/2015 21:24 | <a href="#">WG824775</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/28/2015 21:24 | <a href="#">WG824775</a> |
| Manganese | 2700   |           | 0.250 | 5.00 | 1        | 10/28/2015 21:24 | <a href="#">WG824775</a> |
| Potassium | 3380   |           | 37.0  | 1000 | 1        | 10/28/2015 21:24 | <a href="#">WG824775</a> |
| Selenium  | 10.9   |           | 1.90  | 10.0 | 5        | 10/29/2015 11:42 | <a href="#">WG824775</a> |
| Sodium    | 942000 |           | 550   | 5000 | 5        | 10/29/2015 11:42 | <a href="#">WG824775</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/28/2015 10:20 | <a href="#">WG825038</a> |
| (S) a,a,a-Trifluorotoluene(FID) 97.1 |        |           |      | 62.0-128 |          | 10/28/2015 10:20 | <a href="#">WG825038</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/25/2015 14:39 | <a href="#">WG824204</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/25/2015 14:39 | <a href="#">WG824204</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/25/2015 14:39 | <a href="#">WG824204</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/25/2015 14:39 | <a href="#">WG824204</a> |
| Bromomethane         | U      | *         | 0.866 | 5.00 | 1        | 10/25/2015 14:39 | <a href="#">WG824204</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/25/2015 14:39 | <a href="#">WG824204</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/25/2015 14:39 | <a href="#">WG824204</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/25/2015 14:39 | <a href="#">WG824204</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/25/2015 14:39 | <a href="#">WG824204</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/25/2015 14:39 | <a href="#">WG824204</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/25/2015 14:39 | <a href="#">WG824204</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/25/2015 14:39 | <a href="#">WG824204</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/25/2015 14:39 | <a href="#">WG824204</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/25/2015 14:39 | <a href="#">WG824204</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/25/2015 14:39 | <a href="#">WG824204</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/25/2015 14:39 | <a href="#">WG824204</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| (S) Toluene-d8              | 113            |           |             | 90.0-115    |          | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| (S) Dibromofluoromethane    | 95.2           |           |             | 79.0-121    |          | 10/25/2015 14:39        | <a href="#">WG824204</a> |
| (S) 4-Bromofluorobenzene    | 98.6           |           |             | 80.1-120    |          | 10/25/2015 14:39        | <a href="#">WG824204</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 460            |           | 24.7        | 100         | 1        | 10/24/2015 16:58        | <a href="#">WG823912</a> |
| (S) o-Terphenyl            | 89.0           |           |             | 50.0-150    |          | 10/24/2015 16:58        | <a href="#">WG823912</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result   | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|----------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l     |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 12400000 |           | 2820 | 10000 | 1        | 10/24/2015 15:12 | <a href="#">WG823728</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 4830   |           | 19.7 | 100  | 1        | 10/28/2015 15:47 | <a href="#">WG824959</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 1070000 |           | 5190 | 100000 | 100      | 10/23/2015 13:52 | <a href="#">WG823861</a> |
| Fluoride | 8230    |           | 9.90 | 100    | 1        | 10/23/2015 12:54 | <a href="#">WG823861</a> |
| Sulfate  | 7300000 |           | 7740 | 500000 | 100      | 10/23/2015 13:52 | <a href="#">WG823861</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|-----------|---------|-----------|------|-------|----------|------------------|--------------------------|
|           | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Arsenic   | 82.7    |           | 2.50 | 20.0  | 10       | 10/28/2015 21:27 | <a href="#">WG824775</a> |
| Barium    | 24.9    | J         | 3.60 | 50.0  | 10       | 10/28/2015 21:27 | <a href="#">WG824775</a> |
| Calcium   | 596000  |           | 460  | 10000 | 10       | 10/28/2015 21:27 | <a href="#">WG824775</a> |
| Chromium  | 22.0    |           | 5.40 | 20.0  | 10       | 10/28/2015 21:27 | <a href="#">WG824775</a> |
| Iron      | 397     | J         | 150  | 1000  | 10       | 10/28/2015 21:27 | <a href="#">WG824775</a> |
| Lead      | U       |           | 2.40 | 20.0  | 10       | 10/28/2015 21:27 | <a href="#">WG824775</a> |
| Manganese | 2740    |           | 2.50 | 50.0  | 10       | 10/28/2015 21:27 | <a href="#">WG824775</a> |
| Potassium | 17000   |           | 370  | 10000 | 10       | 10/28/2015 21:27 | <a href="#">WG824775</a> |
| Selenium  | 30.8    |           | 3.80 | 20.0  | 10       | 10/28/2015 21:27 | <a href="#">WG824775</a> |
| Sodium    | 1580000 |           | 1100 | 10000 | 10       | 10/28/2015 21:27 | <a href="#">WG824775</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 1960   |           | 31.4 | 100      | 1        | 10/27/2015 14:44 | <a href="#">WG823731</a> |
| (S) a,a,a-Trifluorotoluene(FID) 96.6 |        |           |      | 62.0-128 |          | 10/27/2015 14:44 | <a href="#">WG823731</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | 16.6   | J         | 10.0  | 50.0 | 1        | 10/25/2015 15:03 | <a href="#">WG824204</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/25/2015 15:03 | <a href="#">WG824204</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/25/2015 15:03 | <a href="#">WG824204</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/25/2015 15:03 | <a href="#">WG824204</a> |
| Bromomethane         | U      | *         | 0.866 | 5.00 | 1        | 10/25/2015 15:03 | <a href="#">WG824204</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/25/2015 15:03 | <a href="#">WG824204</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/25/2015 15:03 | <a href="#">WG824204</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/25/2015 15:03 | <a href="#">WG824204</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/25/2015 15:03 | <a href="#">WG824204</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/25/2015 15:03 | <a href="#">WG824204</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/25/2015 15:03 | <a href="#">WG824204</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/25/2015 15:03 | <a href="#">WG824204</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/25/2015 15:03 | <a href="#">WG824204</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/25/2015 15:03 | <a href="#">WG824204</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/25/2015 15:03 | <a href="#">WG824204</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/25/2015 15:03 | <a href="#">WG824204</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| Methyl tert-butyl ether     | 1.25           |           | 0.367       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| (S) Toluene-d8              | 102            |           |             | 90.0-115    |          | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| (S) Dibromofluoromethane    | 98.7           |           |             | 79.0-121    |          | 10/25/2015 15:03        | <a href="#">WG824204</a> |
| (S) 4-Bromofluorobenzene    | 97.2           |           |             | 80.1-120    |          | 10/25/2015 15:03        | <a href="#">WG824204</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 82100          |           | 1240        | 5000        | 50       | 10/27/2015 17:12        | <a href="#">WG823912</a> |
| (S) o-Terphenyl            | 772            | X         |             | 50.0-150    |          | 10/27/2015 17:12        | <a href="#">WG823912</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 5700000 |           | 2820 | 10000 | 1        | 10/24/2015 15:10 | <a href="#">WG823728</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 38.0   | J         | 19.7 | 100  | 1        | 10/28/2015 15:48 | <a href="#">WG824959</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 1580000 |           | 5190 | 100000 | 100      | 10/23/2015 16:02 | <a href="#">WG823861</a> |
| Fluoride | 3290    |           | 9.90 | 100    | 1        | 10/23/2015 14:50 | <a href="#">WG823861</a> |
| Sulfate  | 2560000 |           | 7740 | 500000 | 100      | 10/23/2015 16:02 | <a href="#">WG823861</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result  | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|---------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l    |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 6.29    |           | 0.500 | 4.00 | 2        | 10/28/2015 21:29 | <a href="#">WG824775</a> |
| Barium    | 25.1    |           | 0.720 | 10.0 | 2        | 10/28/2015 21:29 | <a href="#">WG824775</a> |
| Calcium   | 382000  |           | 92.0  | 2000 | 2        | 10/28/2015 21:29 | <a href="#">WG824775</a> |
| Chromium  | U       |           | 1.08  | 4.00 | 2        | 10/28/2015 21:29 | <a href="#">WG824775</a> |
| Iron      | 1590    |           | 30.0  | 200  | 2        | 10/28/2015 21:29 | <a href="#">WG824775</a> |
| Lead      | U       |           | 0.480 | 4.00 | 2        | 10/28/2015 21:29 | <a href="#">WG824775</a> |
| Manganese | 1270    |           | 0.500 | 10.0 | 2        | 10/28/2015 21:29 | <a href="#">WG824775</a> |
| Potassium | 4060    |           | 74.0  | 2000 | 2        | 10/28/2015 21:29 | <a href="#">WG824775</a> |
| Selenium  | 1.20    | J         | 0.760 | 4.00 | 2        | 10/28/2015 21:29 | <a href="#">WG824775</a> |
| Sodium    | 1090000 |           | 220   | 2000 | 2        | 10/28/2015 21:29 | <a href="#">WG824775</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 34.0   | J         | 31.4 | 100      | 1        | 10/28/2015 10:42 | <a href="#">WG825038</a> |
| (S) a,a,a-Trifluorotoluene(FID) 96.9 |        |           |      | 62.0-128 |          | 10/28/2015 10:42 | <a href="#">WG825038</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/25/2015 15:27 | <a href="#">WG824204</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/25/2015 15:27 | <a href="#">WG824204</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/25/2015 15:27 | <a href="#">WG824204</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/25/2015 15:27 | <a href="#">WG824204</a> |
| Bromomethane         | U      | *         | 0.866 | 5.00 | 1        | 10/25/2015 15:27 | <a href="#">WG824204</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/25/2015 15:27 | <a href="#">WG824204</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/25/2015 15:27 | <a href="#">WG824204</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/25/2015 15:27 | <a href="#">WG824204</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/25/2015 15:27 | <a href="#">WG824204</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/25/2015 15:27 | <a href="#">WG824204</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/25/2015 15:27 | <a href="#">WG824204</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/25/2015 15:27 | <a href="#">WG824204</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/25/2015 15:27 | <a href="#">WG824204</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/25/2015 15:27 | <a href="#">WG824204</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/25/2015 15:27 | <a href="#">WG824204</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/25/2015 15:27 | <a href="#">WG824204</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 15:27        | WG824204 |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 15:27        | WG824204 |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 15:27        | WG824204 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 15:27        | WG824204 |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 15:27        | WG824204 |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 15:27        | WG824204 |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 15:27        | WG824204 |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 15:27        | WG824204 |
| (S) Toluene-d8              | 110            |           |             | 90.0-115    |          | 10/25/2015 15:27        | WG824204 |
| (S) Dibromofluoromethane    | 95.0           |           |             | 79.0-121    |          | 10/25/2015 15:27        | WG824204 |
| (S) 4-Bromofluorobenzene    | 98.7           |           |             | 80.1-120    |          | 10/25/2015 15:27        | WG824204 |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) High Fraction | 6060           |           | 24.7        | 100         | 1        | 10/24/2015 17:47        | WG823912 |
| (S) o-Terphenyl            | 79.0           |           |             | 50.0-150    |          | 10/24/2015 17:47        | WG823912 |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 5210000 |           | 2820 | 10000 | 1        | 10/24/2015 15:12 | <a href="#">WG823728</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 147    |           | 19.7 | 100  | 1        | 10/28/2015 15:49 | <a href="#">WG824959</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 1440000 |           | 5190 | 100000 | 100      | 10/23/2015 16:19 | <a href="#">WG823861</a> |
| Fluoride | 6430    |           | 9.90 | 100    | 1        | 10/23/2015 15:04 | <a href="#">WG823861</a> |
| Sulfate  | 2440000 |           | 7740 | 500000 | 100      | 10/23/2015 16:19 | <a href="#">WG823861</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 12.6   |           | 0.500 | 4.00 | 2        | 10/28/2015 21:31 | <a href="#">WG824775</a> |
| Barium    | 16.5   |           | 0.720 | 10.0 | 2        | 10/28/2015 21:31 | <a href="#">WG824775</a> |
| Calcium   | 517000 |           | 92.0  | 2000 | 2        | 10/28/2015 21:31 | <a href="#">WG824775</a> |
| Chromium  | U      |           | 1.08  | 4.00 | 2        | 10/28/2015 21:31 | <a href="#">WG824775</a> |
| Iron      | 3030   |           | 30.0  | 200  | 2        | 10/28/2015 21:31 | <a href="#">WG824775</a> |
| Lead      | U      |           | 0.480 | 4.00 | 2        | 10/28/2015 21:31 | <a href="#">WG824775</a> |
| Manganese | 3760   |           | 0.500 | 10.0 | 2        | 10/28/2015 21:31 | <a href="#">WG824775</a> |
| Potassium | 7610   |           | 74.0  | 2000 | 2        | 10/28/2015 21:31 | <a href="#">WG824775</a> |
| Selenium  | 1.44   | J         | 0.760 | 4.00 | 2        | 10/28/2015 21:31 | <a href="#">WG824775</a> |
| Sodium    | 857000 |           | 220   | 2000 | 2        | 10/28/2015 21:31 | <a href="#">WG824775</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 38.3   | J         | 31.4 | 100      | 1        | 10/27/2015 17:13 | <a href="#">WG823731</a> |
| (S) a,a,a-Trifluorotoluene(FID) 95.4 |        |           |      | 62.0-128 |          | 10/27/2015 17:13 | <a href="#">WG823731</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/25/2015 15:52 | <a href="#">WG824204</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/25/2015 15:52 | <a href="#">WG824204</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/25/2015 15:52 | <a href="#">WG824204</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/25/2015 15:52 | <a href="#">WG824204</a> |
| Bromomethane         | U      | *         | 0.866 | 5.00 | 1        | 10/25/2015 15:52 | <a href="#">WG824204</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/25/2015 15:52 | <a href="#">WG824204</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/25/2015 15:52 | <a href="#">WG824204</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/25/2015 15:52 | <a href="#">WG824204</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/25/2015 15:52 | <a href="#">WG824204</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/25/2015 15:52 | <a href="#">WG824204</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/25/2015 15:52 | <a href="#">WG824204</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/25/2015 15:52 | <a href="#">WG824204</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/25/2015 15:52 | <a href="#">WG824204</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/25/2015 15:52 | <a href="#">WG824204</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/25/2015 15:52 | <a href="#">WG824204</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/25/2015 15:52 | <a href="#">WG824204</a> |





## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| (S) Toluene-d8              | 106            |           |             | 90.0-115    |          | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| (S) Dibromofluoromethane    | 96.6           |           |             | 79.0-121    |          | 10/25/2015 15:52        | <a href="#">WG824204</a> |
| (S) 4-Bromofluorobenzene    | 101            |           |             | 80.1-120    |          | 10/25/2015 15:52        | <a href="#">WG824204</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 575            |           | 24.7        | 100         | 1        | 10/24/2015 18:12        | <a href="#">WG823912</a> |
| (S) o-Terphenyl            | 82.2           |           |             | 50.0-150    |          | 10/24/2015 18:12        | <a href="#">WG823912</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 8720000 |           | 2820 | 10000 | 1        | 10/24/2015 15:13 | <a href="#">WG823728</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 12300  |           | 98.5 | 500  | 5        | 10/28/2015 15:51 | <a href="#">WG824959</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 1810000 |           | 5190 | 100000 | 100      | 10/23/2015 16:33 | <a href="#">WG823861</a> |
| Fluoride | 6190    |           | 9.90 | 100    | 1        | 10/23/2015 15:18 | <a href="#">WG823861</a> |
| Sulfate  | 4140000 |           | 7740 | 500000 | 100      | 10/23/2015 16:33 | <a href="#">WG823861</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result  | Qualifier | MDL   | RDL   | Dilution | Analysis         | Batch                    |
|-----------|---------|-----------|-------|-------|----------|------------------|--------------------------|
|           | ug/l    |           | ug/l  | ug/l  |          | date / time      |                          |
| Arsenic   | 73.3    |           | 0.500 | 4.00  | 2        | 10/28/2015 21:34 | <a href="#">WG824775</a> |
| Barium    | 12.7    |           | 0.720 | 10.0  | 2        | 10/28/2015 21:34 | <a href="#">WG824775</a> |
| Calcium   | 558000  |           | 92.0  | 2000  | 2        | 10/28/2015 21:34 | <a href="#">WG824775</a> |
| Chromium  | U       |           | 1.08  | 4.00  | 2        | 10/28/2015 21:34 | <a href="#">WG824775</a> |
| Iron      | U       |           | 30.0  | 200   | 2        | 10/28/2015 21:34 | <a href="#">WG824775</a> |
| Lead      | U       |           | 0.480 | 4.00  | 2        | 10/28/2015 21:34 | <a href="#">WG824775</a> |
| Manganese | 1170    |           | 0.500 | 10.0  | 2        | 10/28/2015 21:34 | <a href="#">WG824775</a> |
| Potassium | 39200   |           | 74.0  | 2000  | 2        | 10/28/2015 21:34 | <a href="#">WG824775</a> |
| Selenium  | 60.8    |           | 0.760 | 4.00  | 2        | 10/28/2015 21:34 | <a href="#">WG824775</a> |
| Sodium    | 2330000 |           | 5500  | 50000 | 50       | 10/28/2015 22:14 | <a href="#">WG824775</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 3230   |           | 31.4 | 100      | 1        | 10/27/2015 17:37 | <a href="#">WG823731</a> |
| (S) a,a,a-Trifluorotoluene(FID) 96.1 |        |           |      | 62.0-128 |          | 10/27/2015 17:37 | <a href="#">WG823731</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/25/2015 16:16 | <a href="#">WG824204</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/25/2015 16:16 | <a href="#">WG824204</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/25/2015 16:16 | <a href="#">WG824204</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/25/2015 16:16 | <a href="#">WG824204</a> |
| Bromomethane         | U      | *         | 0.866 | 5.00 | 1        | 10/25/2015 16:16 | <a href="#">WG824204</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/25/2015 16:16 | <a href="#">WG824204</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/25/2015 16:16 | <a href="#">WG824204</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/25/2015 16:16 | <a href="#">WG824204</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/25/2015 16:16 | <a href="#">WG824204</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/25/2015 16:16 | <a href="#">WG824204</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/25/2015 16:16 | <a href="#">WG824204</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/25/2015 16:16 | <a href="#">WG824204</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/25/2015 16:16 | <a href="#">WG824204</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/25/2015 16:16 | <a href="#">WG824204</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/25/2015 16:16 | <a href="#">WG824204</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/25/2015 16:16 | <a href="#">WG824204</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 16:16        | WG824204 |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 16:16        | WG824204 |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 16:16        | WG824204 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 16:16        | WG824204 |
| Methyl tert-butyl ether     | 0.826          | U         | 0.367       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 16:16        | WG824204 |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 16:16        | WG824204 |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| 1,2,4-Trimethylbenzene      | 2.52           |           | 0.373       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 16:16        | WG824204 |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 16:16        | WG824204 |
| (S) Toluene-d8              | 103            |           |             | 90.0-115    |          | 10/25/2015 16:16        | WG824204 |
| (S) Dibromofluoromethane    | 97.3           |           |             | 79.0-121    |          | 10/25/2015 16:16        | WG824204 |
| (S) 4-Bromofluorobenzene    | 99.7           |           |             | 80.1-120    |          | 10/25/2015 16:16        | WG824204 |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) High Fraction | 18900          |           | 494         | 2000        | 20       | 10/27/2015 17:37        | WG823912 |
| (S) o-Terphenyl            | 0.000          | X         |             | 50.0-150    |          | 10/27/2015 17:37        | WG823912 |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result   | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|----------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l     |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 10500000 |           | 2820 | 10000 | 1        | 10/24/2015 15:12 | <a href="#">WG823728</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 39.0   | J         | 19.7 | 100  | 1        | 10/28/2015 15:52 | <a href="#">WG824959</a> |

6 Qc

7 Gl

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 3870000 |           | 5190 | 100000 | 100      | 10/23/2015 16:48 | <a href="#">WG823861</a> |
| Fluoride | 2140    |           | 9.90 | 100    | 1        | 10/23/2015 15:33 | <a href="#">WG823861</a> |
| Sulfate  | 3670000 |           | 7740 | 500000 | 100      | 10/23/2015 16:48 | <a href="#">WG823861</a> |

8 Al

9 Sc

## Metals (ICPMS) by Method 6020

| Analyte   | Result  | Qualifier | MDL   | RDL   | Dilution | Analysis         | Batch                    |
|-----------|---------|-----------|-------|-------|----------|------------------|--------------------------|
|           | ug/l    |           | ug/l  | ug/l  |          | date / time      |                          |
| Arsenic   | 9.62    |           | 0.500 | 4.00  | 2        | 10/28/2015 21:36 | <a href="#">WG824775</a> |
| Barium    | 24.1    |           | 0.720 | 10.0  | 2        | 10/28/2015 21:36 | <a href="#">WG824775</a> |
| Calcium   | 677000  |           | 92.0  | 2000  | 2        | 10/28/2015 21:36 | <a href="#">WG824775</a> |
| Chromium  | U       |           | 1.08  | 4.00  | 2        | 10/28/2015 21:36 | <a href="#">WG824775</a> |
| Iron      | 588     |           | 30.0  | 200   | 2        | 10/28/2015 21:36 | <a href="#">WG824775</a> |
| Lead      | U       |           | 0.480 | 4.00  | 2        | 10/28/2015 21:36 | <a href="#">WG824775</a> |
| Manganese | 2880    |           | 0.500 | 10.0  | 2        | 10/28/2015 21:36 | <a href="#">WG824775</a> |
| Potassium | 5850    |           | 74.0  | 2000  | 2        | 10/28/2015 21:36 | <a href="#">WG824775</a> |
| Selenium  | 1.53    | J         | 0.760 | 4.00  | 2        | 10/28/2015 21:36 | <a href="#">WG824775</a> |
| Sodium    | 2590000 |           | 5500  | 50000 | 50       | 10/28/2015 22:16 | <a href="#">WG824775</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 36.3   | J         | 31.4 | 100      | 1        | 10/27/2015 18:02 | <a href="#">WG823731</a> |
| (S) a,a,a-Trifluorotoluene(FID) 95.2 |        |           |      | 62.0-128 |          | 10/27/2015 18:02 | <a href="#">WG823731</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/25/2015 16:40 | <a href="#">WG824204</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/25/2015 16:40 | <a href="#">WG824204</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/25/2015 16:40 | <a href="#">WG824204</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/25/2015 16:40 | <a href="#">WG824204</a> |
| Bromomethane         | U      | *         | 0.866 | 5.00 | 1        | 10/25/2015 16:40 | <a href="#">WG824204</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/25/2015 16:40 | <a href="#">WG824204</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/25/2015 16:40 | <a href="#">WG824204</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/25/2015 16:40 | <a href="#">WG824204</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/25/2015 16:40 | <a href="#">WG824204</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/25/2015 16:40 | <a href="#">WG824204</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/25/2015 16:40 | <a href="#">WG824204</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/25/2015 16:40 | <a href="#">WG824204</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/25/2015 16:40 | <a href="#">WG824204</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/25/2015 16:40 | <a href="#">WG824204</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/25/2015 16:40 | <a href="#">WG824204</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/25/2015 16:40 | <a href="#">WG824204</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 16:40        | WG824204 |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 16:40        | WG824204 |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 16:40        | WG824204 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 16:40        | WG824204 |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 16:40        | WG824204 |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 16:40        | WG824204 |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 16:40        | WG824204 |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 16:40        | WG824204 |
| (S) Toluene-d8              | 99.5           |           |             | 90.0-115    |          | 10/25/2015 16:40        | WG824204 |
| (S) Dibromofluoromethane    | 105            |           |             | 79.0-121    |          | 10/25/2015 16:40        | WG824204 |
| (S) 4-Bromofluorobenzene    | 96.0           |           |             | 80.1-120    |          | 10/25/2015 16:40        | WG824204 |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) High Fraction | 260            |           | 24.7        | 100         | 1        | 10/24/2015 19:02        | WG823912 |
| (S) o-Terphenyl            | 84.6           |           |             | 50.0-150    |          | 10/24/2015 19:02        | WG823912 |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result   | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|----------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l     |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 10700000 |           | 2820 | 10000 | 1        | 10/24/2015 15:10 | <a href="#">WG823728</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 28.0   | J         | 19.7 | 100  | 1        | 10/28/2015 15:53 | <a href="#">WG824959</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 4510000 |           | 5190 | 100000 | 100      | 10/23/2015 17:02 | <a href="#">WG823861</a> |
| Fluoride | 2090    |           | 9.90 | 100    | 1        | 10/23/2015 15:47 | <a href="#">WG823861</a> |
| Sulfate  | 3400000 |           | 7740 | 500000 | 100      | 10/23/2015 17:02 | <a href="#">WG823861</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result  | Qualifier | MDL   | RDL   | Dilution | Analysis         | Batch                    |
|-----------|---------|-----------|-------|-------|----------|------------------|--------------------------|
|           | ug/l    |           | ug/l  | ug/l  |          | date / time      |                          |
| Arsenic   | 23.5    |           | 0.500 | 4.00  | 2        | 10/28/2015 21:39 | <a href="#">WG824775</a> |
| Barium    | 25.4    |           | 0.720 | 10.0  | 2        | 10/28/2015 21:39 | <a href="#">WG824775</a> |
| Calcium   | 756000  |           | 92.0  | 2000  | 2        | 10/28/2015 21:39 | <a href="#">WG824775</a> |
| Chromium  | U       |           | 1.08  | 4.00  | 2        | 10/28/2015 21:39 | <a href="#">WG824775</a> |
| Iron      | 9380    |           | 30.0  | 200   | 2        | 10/28/2015 21:39 | <a href="#">WG824775</a> |
| Lead      | U       |           | 0.480 | 4.00  | 2        | 10/28/2015 21:39 | <a href="#">WG824775</a> |
| Manganese | 2320    |           | 0.500 | 10.0  | 2        | 10/28/2015 21:39 | <a href="#">WG824775</a> |
| Potassium | 15000   |           | 74.0  | 2000  | 2        | 10/28/2015 21:39 | <a href="#">WG824775</a> |
| Selenium  | 1.10    | J         | 0.760 | 4.00  | 2        | 10/28/2015 21:39 | <a href="#">WG824775</a> |
| Sodium    | 3380000 |           | 5500  | 50000 | 50       | 10/28/2015 22:19 | <a href="#">WG824775</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 1880   |           | 31.4 | 100      | 1        | 10/27/2015 18:27 | <a href="#">WG823731</a> |
| (S) a,a,a-Trifluorotoluene(FID) 95.4 |        |           |      | 62.0-128 |          | 10/27/2015 18:27 | <a href="#">WG823731</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/25/2015 17:04 | <a href="#">WG824204</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/25/2015 17:04 | <a href="#">WG824204</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/25/2015 17:04 | <a href="#">WG824204</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/25/2015 17:04 | <a href="#">WG824204</a> |
| Bromomethane         | U      | *         | 0.866 | 5.00 | 1        | 10/25/2015 17:04 | <a href="#">WG824204</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/25/2015 17:04 | <a href="#">WG824204</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/25/2015 17:04 | <a href="#">WG824204</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/25/2015 17:04 | <a href="#">WG824204</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/25/2015 17:04 | <a href="#">WG824204</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/25/2015 17:04 | <a href="#">WG824204</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/25/2015 17:04 | <a href="#">WG824204</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/25/2015 17:04 | <a href="#">WG824204</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/25/2015 17:04 | <a href="#">WG824204</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/25/2015 17:04 | <a href="#">WG824204</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/25/2015 17:04 | <a href="#">WG824204</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/25/2015 17:04 | <a href="#">WG824204</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| (S) Toluene-d8              | 104            |           |             | 90.0-115    |          | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| (S) Dibromofluoromethane    | 101            |           |             | 79.0-121    |          | 10/25/2015 17:04        | <a href="#">WG824204</a> |
| (S) 4-Bromofluorobenzene    | 96.5           |           |             | 80.1-120    |          | 10/25/2015 17:04        | <a href="#">WG824204</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 1090           |           | 24.7        | 100         | 1        | 10/24/2015 19:27        | <a href="#">WG823912</a> |
| (S) o-Terphenyl            | 79.9           |           |             | 50.0-150    |          | 10/24/2015 19:27        | <a href="#">WG823912</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 8960000 |           | 2820 | 10000 | 1        | 10/24/2015 15:13 | <a href="#">WG823728</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 25.0   | J         | 19.7 | 100  | 1        | 10/28/2015 15:54 | <a href="#">WG824959</a> |

6 Qc

7 Gl

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 2490000 |           | 5190 | 100000 | 100      | 10/23/2015 18:28 | <a href="#">WG823861</a> |
| Fluoride | 2550    |           | 9.90 | 100    | 1        | 10/23/2015 17:45 | <a href="#">WG823861</a> |
| Sulfate  | 4500000 |           | 7740 | 500000 | 100      | 10/23/2015 18:28 | <a href="#">WG823861</a> |

8 Al

9 Sc

## Metals (ICPMS) by Method 6020

| Analyte   | Result  | Qualifier | MDL   | RDL   | Dilution | Analysis         | Batch                    |
|-----------|---------|-----------|-------|-------|----------|------------------|--------------------------|
|           | ug/l    |           | ug/l  | ug/l  |          | date / time      |                          |
| Arsenic   | 201     |           | 0.500 | 4.00  | 2        | 10/28/2015 21:41 | <a href="#">WG824775</a> |
| Barium    | 16.2    |           | 0.720 | 10.0  | 2        | 10/28/2015 21:41 | <a href="#">WG824775</a> |
| Calcium   | 635000  |           | 92.0  | 2000  | 2        | 10/28/2015 21:41 | <a href="#">WG824775</a> |
| Chromium  | U       |           | 1.08  | 4.00  | 2        | 10/28/2015 21:41 | <a href="#">WG824775</a> |
| Iron      | 9360    |           | 30.0  | 200   | 2        | 10/28/2015 21:41 | <a href="#">WG824775</a> |
| Lead      | U       |           | 0.480 | 4.00  | 2        | 10/28/2015 21:41 | <a href="#">WG824775</a> |
| Manganese | 2880    |           | 0.500 | 10.0  | 2        | 10/28/2015 21:41 | <a href="#">WG824775</a> |
| Potassium | 5830    |           | 74.0  | 2000  | 2        | 10/28/2015 21:41 | <a href="#">WG824775</a> |
| Selenium  | 2.30    | J         | 0.760 | 4.00  | 2        | 10/28/2015 21:41 | <a href="#">WG824775</a> |
| Sodium    | 2870000 |           | 5500  | 50000 | 50       | 10/28/2015 22:21 | <a href="#">WG824775</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 1200   |           | 31.4 | 100      | 1        | 10/27/2015 18:52 | <a href="#">WG823731</a> |
| (S) a,a,a-Trifluorotoluene(FID) 96.6 |        |           |      | 62.0-128 |          | 10/27/2015 18:52 | <a href="#">WG823731</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/25/2015 17:28 | <a href="#">WG824204</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/25/2015 17:28 | <a href="#">WG824204</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/25/2015 17:28 | <a href="#">WG824204</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/25/2015 17:28 | <a href="#">WG824204</a> |
| Bromomethane         | U      | *         | 0.866 | 5.00 | 1        | 10/25/2015 17:28 | <a href="#">WG824204</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/25/2015 17:28 | <a href="#">WG824204</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/25/2015 17:28 | <a href="#">WG824204</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/25/2015 17:28 | <a href="#">WG824204</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/25/2015 17:28 | <a href="#">WG824204</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/25/2015 17:28 | <a href="#">WG824204</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/25/2015 17:28 | <a href="#">WG824204</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/25/2015 17:28 | <a href="#">WG824204</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/25/2015 17:28 | <a href="#">WG824204</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/25/2015 17:28 | <a href="#">WG824204</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/25/2015 17:28 | <a href="#">WG824204</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/25/2015 17:28 | <a href="#">WG824204</a> |





## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| Methyl tert-butyl ether     | 2.02           |           | 0.367       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| 1,2,4-Trimethylbenzene      | 1.29           |           | 0.373       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| (S) Toluene-d8              | 106            |           |             | 90.0-115    |          | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| (S) Dibromofluoromethane    | 98.2           |           |             | 79.0-121    |          | 10/25/2015 17:28        | <a href="#">WG824204</a> |
| (S) 4-Bromofluorobenzene    | 99.9           |           |             | 80.1-120    |          | 10/25/2015 17:28        | <a href="#">WG824204</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 4120           |           | 24.7        | 100         | 1        | 10/24/2015 19:51        | <a href="#">WG823912</a> |
| (S) o-Terphenyl            | 69.0           |           |             | 50.0-150    |          | 10/24/2015 19:51        | <a href="#">WG823912</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 9160000 |           | 2820 | 10000 | 1        | 10/24/2015 15:10 | <a href="#">WG823728</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 144    | F         | 19.7 | 100  | 1        | 10/28/2015 15:55 | <a href="#">WG824959</a> |

6 Qc

7 Gl

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 3100000 |           | 5190 | 100000 | 100      | 10/23/2015 18:43 | <a href="#">WG823861</a> |
| Fluoride | 2780    |           | 9.90 | 100    | 1        | 10/23/2015 18:00 | <a href="#">WG823861</a> |
| Sulfate  | 3710000 |           | 7740 | 500000 | 100      | 10/23/2015 18:43 | <a href="#">WG823861</a> |

8 Al

9 Sc

## Metals (ICPMS) by Method 6020

| Analyte   | Result  | Qualifier | MDL   | RDL   | Dilution | Analysis         | Batch                    |
|-----------|---------|-----------|-------|-------|----------|------------------|--------------------------|
|           | ug/l    |           | ug/l  | ug/l  |          | date / time      |                          |
| Arsenic   | 4.47    |           | 0.500 | 4.00  | 2        | 10/28/2015 21:43 | <a href="#">WG824775</a> |
| Barium    | 18.4    |           | 0.720 | 10.0  | 2        | 10/28/2015 21:43 | <a href="#">WG824775</a> |
| Calcium   | 641000  |           | 92.0  | 2000  | 2        | 10/28/2015 21:43 | <a href="#">WG824775</a> |
| Chromium  | U       |           | 1.08  | 4.00  | 2        | 10/28/2015 21:43 | <a href="#">WG824775</a> |
| Iron      | 593     |           | 30.0  | 200   | 2        | 10/28/2015 21:43 | <a href="#">WG824775</a> |
| Lead      | U       |           | 0.480 | 4.00  | 2        | 10/28/2015 21:43 | <a href="#">WG824775</a> |
| Manganese | 1590    |           | 0.500 | 10.0  | 2        | 10/28/2015 21:43 | <a href="#">WG824775</a> |
| Potassium | 4860    |           | 74.0  | 2000  | 2        | 10/28/2015 21:43 | <a href="#">WG824775</a> |
| Selenium  | 2.29    | J         | 0.760 | 4.00  | 2        | 10/28/2015 21:43 | <a href="#">WG824775</a> |
| Sodium    | 2660000 |           | 5500  | 50000 | 50       | 10/28/2015 22:23 | <a href="#">WG824775</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/27/2015 19:16 | <a href="#">WG823731</a> |
| (S) a,a,a-Trifluorotoluene(FID) 95.3 |        |           |      | 62.0-128 |          | 10/27/2015 19:16 | <a href="#">WG823731</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/25/2015 17:52 | <a href="#">WG824204</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/25/2015 17:52 | <a href="#">WG824204</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/25/2015 17:52 | <a href="#">WG824204</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/25/2015 17:52 | <a href="#">WG824204</a> |
| Bromomethane         | U      | *         | 0.866 | 5.00 | 1        | 10/25/2015 17:52 | <a href="#">WG824204</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/25/2015 17:52 | <a href="#">WG824204</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/25/2015 17:52 | <a href="#">WG824204</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/25/2015 17:52 | <a href="#">WG824204</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/25/2015 17:52 | <a href="#">WG824204</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/25/2015 17:52 | <a href="#">WG824204</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/25/2015 17:52 | <a href="#">WG824204</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/25/2015 17:52 | <a href="#">WG824204</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/25/2015 17:52 | <a href="#">WG824204</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/25/2015 17:52 | <a href="#">WG824204</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/25/2015 17:52 | <a href="#">WG824204</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/25/2015 17:52 | <a href="#">WG824204</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| (S) Toluene-d8              | 105            |           |             | 90.0-115    |          | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| (S) Dibromofluoromethane    | 95.8           |           |             | 79.0-121    |          | 10/25/2015 17:52        | <a href="#">WG824204</a> |
| (S) 4-Bromofluorobenzene    | 101            |           |             | 80.1-120    |          | 10/25/2015 17:52        | <a href="#">WG824204</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 266            |           | 24.7        | 100         | 1        | 10/24/2015 20:16        | <a href="#">WG823912</a> |
| (S) o-Terphenyl            | 86.1           |           |             | 50.0-150    |          | 10/24/2015 20:16        | <a href="#">WG823912</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result   | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|----------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l     |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 12000000 |           | 2820 | 10000 | 1        | 10/26/2015 12:05 | <a href="#">WG823730</a> |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 38.0   | J         | 19.7 | 100  | 1        | 10/28/2015 16:01 | <a href="#">WG824959</a> |

<sup>6</sup> Qc<sup>7</sup> Gl

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 4700000 |           | 5190 | 100000 | 100      | 10/23/2015 19:01 | <a href="#">WG823861</a> |
| Fluoride | 548     |           | 9.90 | 100    | 1        | 10/23/2015 18:14 | <a href="#">WG823861</a> |
| Sulfate  | 3430000 |           | 7740 | 500000 | 100      | 10/23/2015 19:01 | <a href="#">WG823861</a> |

<sup>8</sup> Al<sup>9</sup> Sc

## Metals (ICPMS) by Method 6020

| Analyte   | Result  | Qualifier | MDL   | RDL   | Dilution | Analysis         | Batch                    |
|-----------|---------|-----------|-------|-------|----------|------------------|--------------------------|
|           | ug/l    |           | ug/l  | ug/l  |          | date / time      |                          |
| Arsenic   | 16.6    |           | 0.500 | 4.00  | 2        | 10/28/2015 21:46 | <a href="#">WG824775</a> |
| Barium    | 27.2    |           | 0.720 | 10.0  | 2        | 10/28/2015 21:46 | <a href="#">WG824775</a> |
| Calcium   | 836000  |           | 92.0  | 2000  | 2        | 10/28/2015 21:46 | <a href="#">WG824775</a> |
| Chromium  | 1.08    | J         | 1.08  | 4.00  | 2        | 10/28/2015 21:46 | <a href="#">WG824775</a> |
| Iron      | 11300   |           | 30.0  | 200   | 2        | 10/28/2015 21:46 | <a href="#">WG824775</a> |
| Lead      | U       |           | 0.480 | 4.00  | 2        | 10/28/2015 21:46 | <a href="#">WG824775</a> |
| Manganese | 306     |           | 0.500 | 10.0  | 2        | 10/28/2015 21:46 | <a href="#">WG824775</a> |
| Potassium | 39600   |           | 74.0  | 2000  | 2        | 10/28/2015 21:46 | <a href="#">WG824775</a> |
| Selenium  | U       |           | 0.760 | 4.00  | 2        | 10/28/2015 21:46 | <a href="#">WG824775</a> |
| Sodium    | 3130000 |           | 5500  | 50000 | 50       | 10/28/2015 22:26 | <a href="#">WG824775</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 40.2   | J         | 31.4 | 100      | 1        | 10/27/2015 19:41 | <a href="#">WG823731</a> |
| (S) a,a,a-Trifluorotoluene(FID) 95.2 |        |           |      | 62.0-128 |          | 10/27/2015 19:41 | <a href="#">WG823731</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/25/2015 18:16 | <a href="#">WG824204</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/25/2015 18:16 | <a href="#">WG824204</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/25/2015 18:16 | <a href="#">WG824204</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/25/2015 18:16 | <a href="#">WG824204</a> |
| Bromomethane         | U      | *         | 0.866 | 5.00 | 1        | 10/25/2015 18:16 | <a href="#">WG824204</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/25/2015 18:16 | <a href="#">WG824204</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/25/2015 18:16 | <a href="#">WG824204</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/25/2015 18:16 | <a href="#">WG824204</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/25/2015 18:16 | <a href="#">WG824204</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/25/2015 18:16 | <a href="#">WG824204</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/25/2015 18:16 | <a href="#">WG824204</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/25/2015 18:16 | <a href="#">WG824204</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/25/2015 18:16 | <a href="#">WG824204</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/25/2015 18:16 | <a href="#">WG824204</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/25/2015 18:16 | <a href="#">WG824204</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/25/2015 18:16 | <a href="#">WG824204</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 18:16        | WG824204 |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 18:16        | WG824204 |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 18:16        | WG824204 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 18:16        | WG824204 |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 18:16        | WG824204 |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 18:16        | WG824204 |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 18:16        | WG824204 |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 18:16        | WG824204 |
| (S) Toluene-d8              | 106            |           |             | 90.0-115    |          | 10/25/2015 18:16        | WG824204 |
| (S) Dibromofluoromethane    | 95.2           |           |             | 79.0-121    |          | 10/25/2015 18:16        | WG824204 |
| (S) 4-Bromofluorobenzene    | 100            |           |             | 80.1-120    |          | 10/25/2015 18:16        | WG824204 |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) High Fraction | 95.1           | J         | 24.7        | 100         | 1        | 10/24/2015 22:20        | WG823912 |
| (S) o-Terphenyl            | 80.7           |           |             | 50.0-150    |          | 10/24/2015 22:20        | WG823912 |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result   | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|----------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l     |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 10100000 |           | 2820 | 10000 | 1        | 10/26/2015 12:06 | <a href="#">WG823730</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 31.0   | J         | 19.7 | 100  | 1        | 10/28/2015 16:02 | <a href="#">WG824959</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 3210000 |           | 5190 | 100000 | 100      | 10/24/2015 20:28 | <a href="#">WG824149</a> |
| Fluoride | 915     |           | 9.90 | 100    | 1        | 10/24/2015 13:16 | <a href="#">WG824149</a> |
| Sulfate  | 4120000 |           | 7740 | 500000 | 100      | 10/24/2015 20:28 | <a href="#">WG824149</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result  | Qualifier | MDL   | RDL   | Dilution | Analysis         | Batch                    |
|-----------|---------|-----------|-------|-------|----------|------------------|--------------------------|
|           | ug/l    |           | ug/l  | ug/l  |          | date / time      |                          |
| Arsenic   | 4.43    |           | 0.500 | 4.00  | 2        | 10/28/2015 22:02 | <a href="#">WG824775</a> |
| Barium    | 24.7    |           | 0.720 | 10.0  | 2        | 10/28/2015 22:02 | <a href="#">WG824775</a> |
| Calcium   | 780000  |           | 92.0  | 2000  | 2        | 10/28/2015 22:02 | <a href="#">WG824775</a> |
| Chromium  | U       |           | 1.08  | 4.00  | 2        | 10/28/2015 22:02 | <a href="#">WG824775</a> |
| Iron      | 2930    |           | 30.0  | 200   | 2        | 10/28/2015 22:02 | <a href="#">WG824775</a> |
| Lead      | U       |           | 0.480 | 4.00  | 2        | 10/28/2015 22:02 | <a href="#">WG824775</a> |
| Manganese | 562     |           | 0.500 | 10.0  | 2        | 10/28/2015 22:02 | <a href="#">WG824775</a> |
| Potassium | 7410    |           | 74.0  | 2000  | 2        | 10/28/2015 22:02 | <a href="#">WG824775</a> |
| Selenium  | U       |           | 0.760 | 4.00  | 2        | 10/28/2015 22:02 | <a href="#">WG824775</a> |
| Sodium    | 1840000 |           | 2200  | 20000 | 20       | 10/28/2015 22:28 | <a href="#">WG824775</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/28/2015 11:04 | <a href="#">WG825038</a> |
| (S) a,a,q-Trifluorotoluene(FID) 97.0 |        |           |      | 62.0-128 |          | 10/28/2015 11:04 | <a href="#">WG825038</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/25/2015 18:40 | <a href="#">WG824204</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/25/2015 18:40 | <a href="#">WG824204</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/25/2015 18:40 | <a href="#">WG824204</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/25/2015 18:40 | <a href="#">WG824204</a> |
| Bromomethane         | U      | *         | 0.866 | 5.00 | 1        | 10/25/2015 18:40 | <a href="#">WG824204</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/25/2015 18:40 | <a href="#">WG824204</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/25/2015 18:40 | <a href="#">WG824204</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/25/2015 18:40 | <a href="#">WG824204</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/25/2015 18:40 | <a href="#">WG824204</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/25/2015 18:40 | <a href="#">WG824204</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/25/2015 18:40 | <a href="#">WG824204</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/25/2015 18:40 | <a href="#">WG824204</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/25/2015 18:40 | <a href="#">WG824204</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/25/2015 18:40 | <a href="#">WG824204</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/25/2015 18:40 | <a href="#">WG824204</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/25/2015 18:40 | <a href="#">WG824204</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 18:40        | WG824204 |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 18:40        | WG824204 |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 18:40        | WG824204 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 18:40        | WG824204 |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 18:40        | WG824204 |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 18:40        | WG824204 |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 18:40        | WG824204 |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 18:40        | WG824204 |
| (S) Toluene-d8              | 104            |           |             | 90.0-115    |          | 10/25/2015 18:40        | WG824204 |
| (S) Dibromofluoromethane    | 97.7           |           |             | 79.0-121    |          | 10/25/2015 18:40        | WG824204 |
| (S) 4-Bromofluorobenzene    | 99.2           |           |             | 80.1-120    |          | 10/25/2015 18:40        | WG824204 |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) High Fraction | 29.8           | J         | 24.7        | 100         | 1        | 10/24/2015 22:45        | WG823912 |
| (S) o-Terphenyl            | 77.0           |           |             | 50.0-150    |          | 10/24/2015 22:45        | WG823912 |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|--------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l   |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | U      |           | 2820 | 10000 | 1        | 10/26/2015 12:20 | <a href="#">WG823730</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 29.0   | J         | 19.7 | 100  | 1        | 10/28/2015 16:03 | <a href="#">WG824959</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Chloride | 175    | J         | 51.9 | 1000 | 1        | 10/24/2015 14:53 | <a href="#">WG824149</a> |
| Fluoride | U      |           | 9.90 | 100  | 1        | 10/24/2015 14:53 | <a href="#">WG824149</a> |
| Sulfate  | 88.2   | J         | 77.4 | 5000 | 1        | 10/24/2015 14:53 | <a href="#">WG824149</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 0.830  | J         | 0.250 | 2.00 | 1        | 10/28/2015 21:02 | <a href="#">WG824775</a> |
| Barium    | 2.73   | J         | 0.360 | 5.00 | 1        | 10/28/2015 21:02 | <a href="#">WG824775</a> |
| Calcium   | 330    | J         | 46.0  | 1000 | 1        | 10/28/2015 21:02 | <a href="#">WG824775</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/28/2015 21:02 | <a href="#">WG824775</a> |
| Iron      | U      |           | 15.0  | 100  | 1        | 10/28/2015 21:02 | <a href="#">WG824775</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/28/2015 21:02 | <a href="#">WG824775</a> |
| Manganese | 1.17   | J         | 0.250 | 5.00 | 1        | 10/28/2015 21:02 | <a href="#">WG824775</a> |
| Potassium | U      |           | 37.0  | 1000 | 1        | 10/28/2015 21:02 | <a href="#">WG824775</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/28/2015 21:02 | <a href="#">WG824775</a> |
| Sodium    | 1140   |           | 110   | 1000 | 1        | 10/28/2015 21:02 | <a href="#">WG824775</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 45.6   | J         | 31.4 | 100      | 1        | 10/27/2015 09:49 | <a href="#">WG823733</a> |
| (S) a,a,a-Trifluorotoluene(FID) 99.4 |        |           |      | 62.0-128 |          | 10/27/2015 09:49 | <a href="#">WG823733</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/25/2015 19:04 | <a href="#">WG824204</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/25/2015 19:04 | <a href="#">WG824204</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/25/2015 19:04 | <a href="#">WG824204</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/25/2015 19:04 | <a href="#">WG824204</a> |
| Bromomethane         | U      | *         | 0.866 | 5.00 | 1        | 10/25/2015 19:04 | <a href="#">WG824204</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/25/2015 19:04 | <a href="#">WG824204</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/25/2015 19:04 | <a href="#">WG824204</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/25/2015 19:04 | <a href="#">WG824204</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/25/2015 19:04 | <a href="#">WG824204</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/25/2015 19:04 | <a href="#">WG824204</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/25/2015 19:04 | <a href="#">WG824204</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/25/2015 19:04 | <a href="#">WG824204</a> |
| Chloroform           | 6.13   |           | 0.324 | 5.00 | 1        | 10/25/2015 19:04 | <a href="#">WG824204</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/25/2015 19:04 | <a href="#">WG824204</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/25/2015 19:04 | <a href="#">WG824204</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/25/2015 19:04 | <a href="#">WG824204</a> |





Collected date/time: 10/19/15 17:45

L795810

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 19:04        | WG824204 |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 19:04        | WG824204 |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 19:04        | WG824204 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 19:04        | WG824204 |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 19:04        | WG824204 |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 19:04        | WG824204 |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 19:04        | WG824204 |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 19:04        | WG824204 |
| (S) Toluene-d8              | 96.9           |           |             | 90.0-115    |          | 10/25/2015 19:04        | WG824204 |
| (S) Dibromofluoromethane    | 103            |           |             | 79.0-121    |          | 10/25/2015 19:04        | WG824204 |
| (S) 4-Bromofluorobenzene    | 99.5           |           |             | 80.1-120    |          | 10/25/2015 19:04        | WG824204 |

|         |
|---------|
| 1<br>Cp |
| 2<br>Tc |
| 3<br>Ss |
| 4<br>Cn |
| 5<br>Sr |
| 6<br>Qc |
| 7<br>Gl |
| 8<br>Al |
| 9<br>Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) High Fraction | U              |           | 24.7        | 100         | 1        | 10/24/2015 23:10        | WG823912 |
| (S) o-Terphenyl            | 77.8           |           |             | 50.0-150    |          | 10/24/2015 23:10        | WG823912 |



## Metals (ICPMS) by Method 6020

| Analyte   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| Arsenic   | 3.61           | J         | 0.500       | 4.00        | 2        | 10/28/2015 22:05        | WG824775 |
| Barium    | 23.4           |           | 0.720       | 10.0        | 2        | 10/28/2015 22:05        | WG824775 |
| Calcium   | 707000         |           | 92.0        | 2000        | 2        | 10/28/2015 22:05        | WG824775 |
| Chromium  | 3.85           | J         | 1.08        | 4.00        | 2        | 10/28/2015 22:05        | WG824775 |
| Iron      | 2640           |           | 30.0        | 200         | 2        | 10/28/2015 22:05        | WG824775 |
| Lead      | U              |           | 0.480       | 4.00        | 2        | 10/28/2015 22:05        | WG824775 |
| Manganese | 1340           |           | 0.500       | 10.0        | 2        | 10/28/2015 22:05        | WG824775 |
| Potassium | 7050           |           | 74.0        | 2000        | 2        | 10/28/2015 22:05        | WG824775 |
| Selenium  | U              |           | 0.760       | 4.00        | 2        | 10/28/2015 22:05        | WG824775 |
| Sodium    | 1490000        |           | 2200        | 20000       | 20       | 10/28/2015 22:30        | WG824775 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                         | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|---------------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) Low Fraction       | U              |           | 31.4        | 100         | 1        | 10/27/2015 10:11        | WG823733 |
| (S) a,a,a-Trifluorotoluene(FID) | 96.8           |           |             | 62.0-128    |          | 10/27/2015 10:11        | WG823733 |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| Acetone                     | U              |           | 10.0        | 50.0        | 1        | 10/25/2015 19:28        | WG824204 |
| Benzene                     | U              |           | 0.331       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| Bromodichloromethane        | U              |           | 0.380       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| Bromoform                   | U              |           | 0.469       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| Bromomethane                | U              | *         | 0.866       | 5.00        | 1        | 10/25/2015 19:28        | WG824204 |
| n-Butylbenzene              | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| sec-Butylbenzene            | U              |           | 0.365       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| Carbon disulfide            | U              |           | 0.275       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| Carbon tetrachloride        | U              |           | 0.379       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| Chlorobenzene               | U              |           | 0.348       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| Chlorodibromomethane        | U              |           | 0.327       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| Chloroethane                | U              |           | 0.453       | 5.00        | 1        | 10/25/2015 19:28        | WG824204 |
| Chloroform                  | U              |           | 0.324       | 5.00        | 1        | 10/25/2015 19:28        | WG824204 |
| Chloromethane               | U              |           | 0.276       | 2.50        | 1        | 10/25/2015 19:28        | WG824204 |
| 1,2-Dibromoethane           | U              |           | 0.381       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| 1,1-Dichloroethane          | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 19:28        | WG824204 |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 19:28        | WG824204 |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 19:28        | WG824204 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 19:28        | WG824204 |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 19:28        | WG824204 |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 19:28        | WG824204 |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,1,2,2-Tetrachloroethane | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 19:28        | <a href="#">WG824204</a> |
| Tetrachloroethene         | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 19:28        | <a href="#">WG824204</a> |
| Toluene                   | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 19:28        | <a href="#">WG824204</a> |
| 1,1,1-Trichloroethane     | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 19:28        | <a href="#">WG824204</a> |
| 1,1,2-Trichloroethane     | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 19:28        | <a href="#">WG824204</a> |
| Trichloroethene           | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 19:28        | <a href="#">WG824204</a> |
| 1,2,4-Trimethylbenzene    | U              |           | 0.373       | 1.00        | 1        | 10/25/2015 19:28        | <a href="#">WG824204</a> |
| 1,3,5-Trimethylbenzene    | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 19:28        | <a href="#">WG824204</a> |
| Vinyl chloride            | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 19:28        | <a href="#">WG824204</a> |
| o-Xylene                  | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 19:28        | <a href="#">WG824204</a> |
| m&p-Xylene                | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 19:28        | <a href="#">WG824204</a> |
| Xylenes, Total            | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 19:28        | <a href="#">WG824204</a> |
| (S) Toluene-d8            | 102            |           |             | 90.0-115    |          | 10/25/2015 19:28        | <a href="#">WG824204</a> |
| (S) Dibromofluoromethane  | 98.5           |           |             | 79.0-121    |          | 10/25/2015 19:28        | <a href="#">WG824204</a> |
| (S) 4-Bromofluorobenzene  | 106            |           |             | 80.1-120    |          | 10/25/2015 19:28        | <a href="#">WG824204</a> |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 45.5           | J         | 24.7        | 100         | 1        | 10/24/2015 23:35        | <a href="#">WG823912</a> |
| (S) o-Terphenyl            | 80.3           |           |             | 50.0-150    |          | 10/24/2015 23:35        | <a href="#">WG823912</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Metals (ICPMS) by Method 6020

| Analyte   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| Arsenic   | 1.84           | J         | 0.250       | 2.00        | 1        | 10/28/2015 22:54        | WG824775 |
| Barium    | 22.4           |           | 0.360       | 5.00        | 1        | 10/28/2015 22:54        | WG824775 |
| Calcium   | 760000         |           | 460         | 10000       | 10       | 10/28/2015 23:55        | WG824775 |
| Chromium  | U              |           | 0.540       | 2.00        | 1        | 10/28/2015 22:54        | WG824775 |
| Iron      | 352            |           | 15.0        | 100         | 1        | 10/28/2015 22:54        | WG824775 |
| Lead      | U              |           | 0.240       | 2.00        | 1        | 10/28/2015 22:54        | WG824775 |
| Manganese | 412            |           | 0.250       | 5.00        | 1        | 10/28/2015 22:54        | WG824775 |
| Potassium | 14100          |           | 37.0        | 1000        | 1        | 10/28/2015 22:54        | WG824775 |
| Selenium  | 1.13           | J         | 0.380       | 2.00        | 1        | 10/28/2015 22:54        | WG824775 |
| Sodium    | 904000         |           | 1100        | 10000       | 10       | 10/28/2015 23:55        | WG824775 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|--------------------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) Low Fraction            | U              |           | 31.4        | 100         | 1        | 10/27/2015 10:33        | WG823733 |
| (S) a,a,a-Trifluorotoluene(FID) 97.0 |                |           |             | 62.0-128    |          | 10/27/2015 10:33        | WG823733 |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| Acetone                     | U              |           | 10.0        | 50.0        | 1        | 10/25/2015 19:52        | WG824204 |
| Benzene                     | U              |           | 0.331       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| Bromodichloromethane        | U              |           | 0.380       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| Bromoform                   | U              |           | 0.469       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| Bromomethane                | U              | *         | 0.866       | 5.00        | 1        | 10/25/2015 19:52        | WG824204 |
| n-Butylbenzene              | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| sec-Butylbenzene            | U              |           | 0.365       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| Carbon disulfide            | U              |           | 0.275       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| Carbon tetrachloride        | U              |           | 0.379       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| Chlorobenzene               | U              |           | 0.348       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| Chlorodibromomethane        | U              |           | 0.327       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| Chloroethane                | U              |           | 0.453       | 5.00        | 1        | 10/25/2015 19:52        | WG824204 |
| Chloroform                  | U              |           | 0.324       | 5.00        | 1        | 10/25/2015 19:52        | WG824204 |
| Chloromethane               | U              |           | 0.276       | 2.50        | 1        | 10/25/2015 19:52        | WG824204 |
| 1,2-Dibromoethane           | U              |           | 0.381       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| 1,1-Dichloroethane          | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 19:52        | WG824204 |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 19:52        | WG824204 |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 19:52        | WG824204 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 19:52        | WG824204 |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 19:52        | WG824204 |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 19:52        | WG824204 |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,1,2,2-Tetrachloroethane | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 19:52        | <a href="#">WG824204</a> |
| Tetrachloroethene         | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 19:52        | <a href="#">WG824204</a> |
| Toluene                   | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 19:52        | <a href="#">WG824204</a> |
| 1,1,1-Trichloroethane     | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 19:52        | <a href="#">WG824204</a> |
| 1,1,2-Trichloroethane     | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 19:52        | <a href="#">WG824204</a> |
| Trichloroethene           | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 19:52        | <a href="#">WG824204</a> |
| 1,2,4-Trimethylbenzene    | U              |           | 0.373       | 1.00        | 1        | 10/25/2015 19:52        | <a href="#">WG824204</a> |
| 1,3,5-Trimethylbenzene    | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 19:52        | <a href="#">WG824204</a> |
| Vinyl chloride            | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 19:52        | <a href="#">WG824204</a> |
| o-Xylene                  | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 19:52        | <a href="#">WG824204</a> |
| m&p-Xylene                | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 19:52        | <a href="#">WG824204</a> |
| Xylenes, Total            | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 19:52        | <a href="#">WG824204</a> |
| (S) Toluene-d8            | 102            |           |             | 90.0-115    |          | 10/25/2015 19:52        | <a href="#">WG824204</a> |
| (S) Dibromofluoromethane  | 95.5           |           |             | 79.0-121    |          | 10/25/2015 19:52        | <a href="#">WG824204</a> |
| (S) 4-Bromofluorobenzene  | 106            |           |             | 80.1-120    |          | 10/25/2015 19:52        | <a href="#">WG824204</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 25.1           | J         | 24.7        | 100         | 1        | 10/24/2015 23:59        | <a href="#">WG823912</a> |
| (S) o-Terphenyl            | 77.5           |           |             | 50.0-150    |          | 10/24/2015 23:59        | <a href="#">WG823912</a> |



## Metals (ICPMS) by Method 6020

| Analyte   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| Arsenic   | 7.01           |           | 0.250       | 2.00        | 1        | 10/28/2015 22:57        | <a href="#">WG824775</a> |
| Barium    | 22.6           |           | 0.360       | 5.00        | 1        | 10/28/2015 22:57        | <a href="#">WG824775</a> |
| Calcium   | 833000         |           | 2300        | 50000       | 50       | 10/28/2015 23:57        | <a href="#">WG824775</a> |
| Chromium  | U              |           | 0.540       | 2.00        | 1        | 10/28/2015 22:57        | <a href="#">WG824775</a> |
| Iron      | 6610           |           | 15.0        | 100         | 1        | 10/28/2015 22:57        | <a href="#">WG824775</a> |
| Lead      | U              |           | 0.240       | 2.00        | 1        | 10/28/2015 22:57        | <a href="#">WG824775</a> |
| Manganese | 233            |           | 0.250       | 5.00        | 1        | 10/28/2015 22:57        | <a href="#">WG824775</a> |
| Potassium | 33200          |           | 37.0        | 1000        | 1        | 10/28/2015 22:57        | <a href="#">WG824775</a> |
| Selenium  | U              |           | 0.380       | 2.00        | 1        | 10/28/2015 22:57        | <a href="#">WG824775</a> |
| Sodium    | 2560000        |           | 5500        | 50000       | 50       | 10/28/2015 23:57        | <a href="#">WG824775</a> |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|--------------------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) Low Fraction            | U              |           | 31.4        | 100         | 1        | 10/27/2015 09:06        | <a href="#">WG823733</a> |
| (S) a,a,a-Trifluorotoluene(FID) 94.1 |                |           |             | 62.0-128    |          | 10/27/2015 09:06        | <a href="#">WG823733</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| Acetone                     | U              |           | 10.0        | 50.0        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Benzene                     | U              |           | 0.331       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Bromodichloromethane        | U              |           | 0.380       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Bromoform                   | U              |           | 0.469       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Bromomethane                | U              | *         | 0.866       | 5.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| n-Butylbenzene              | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| sec-Butylbenzene            | U              |           | 0.365       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Carbon disulfide            | U              |           | 0.275       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Carbon tetrachloride        | U              |           | 0.379       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Chlorobenzene               | U              |           | 0.348       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Chlorodibromomethane        | U              |           | 0.327       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Chloroethane                | U              |           | 0.453       | 5.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Chloroform                  | U              |           | 0.324       | 5.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Chloromethane               | U              |           | 0.276       | 2.50        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| 1,2-Dibromoethane           | U              |           | 0.381       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| 1,1-Dichloroethane          | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,1,2,2-Tetrachloroethane | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Tetrachloroethene         | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Toluene                   | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| 1,1,1-Trichloroethane     | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| 1,1,2-Trichloroethane     | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Trichloroethene           | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| 1,2,4-Trimethylbenzene    | U              |           | 0.373       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| 1,3,5-Trimethylbenzene    | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Vinyl chloride            | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| o-Xylene                  | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| m&p-Xylene                | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| Xylenes, Total            | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| (S) Toluene-d8            | 109            |           |             | 90.0-115    |          | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| (S) Dibromofluoromethane  | 96.3           |           |             | 79.0-121    |          | 10/25/2015 20:16        | <a href="#">WG824204</a> |
| (S) 4-Bromofluorobenzene  | 101            |           |             | 80.1-120    |          | 10/25/2015 20:16        | <a href="#">WG824204</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | U              |           | 24.7        | 100         | 1        | 10/25/2015 00:24        | <a href="#">WG823912</a> |
| (S) o-Terphenyl            | 84.4           |           |             | 50.0-150    |          | 10/25/2015 00:24        | <a href="#">WG823912</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result   | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|----------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l     |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 18300000 |           | 2820 | 10000 | 1        | 10/26/2015 12:13 | <a href="#">WG823730</a> |

1 Cp

2 Tc

3 Ss

4 Cn

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 265    |           | 19.7 | 100  | 1        | 10/28/2015 16:05 | <a href="#">WG824959</a> |

5 Sr

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 9930000 |           | 5190 | 100000 | 100      | 10/24/2015 20:41 | <a href="#">WG824149</a> |
| Fluoride | 152     |           | 9.90 | 100    | 1        | 10/24/2015 13:30 | <a href="#">WG824149</a> |
| Sulfate  | 3780000 |           | 7740 | 500000 | 100      | 10/24/2015 20:41 | <a href="#">WG824149</a> |

6 Qc

7 Gl

## Metals (ICPMS) by Method 6020

| Analyte   | Result  | Qualifier | MDL   | RDL    | Dilution | Analysis         | Batch                    |
|-----------|---------|-----------|-------|--------|----------|------------------|--------------------------|
|           | ug/l    |           | ug/l  | ug/l   |          | date / time      |                          |
| Calcium   | 1200000 |           | 4600  | 100000 | 100      | 10/28/2015 23:59 | <a href="#">WG824775</a> |
| Potassium | 20300   |           | 37.0  | 1000   | 1        | 10/28/2015 22:59 | <a href="#">WG824775</a> |
| Sodium    | 5260000 |           | 11000 | 100000 | 100      | 10/28/2015 23:59 | <a href="#">WG824775</a> |

8 Al

9 Sc





## Metals (ICPMS) by Method 6020

| Analyte   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| Arsenic   | 16.3           |           | 0.250       | 2.00        | 1        | 10/28/2015 23:01        | <a href="#">WG824775</a> |
| Barium    | 16.6           |           | 0.360       | 5.00        | 1        | 10/28/2015 23:01        | <a href="#">WG824775</a> |
| Calcium   | 756000         |           | 460         | 10000       | 10       | 10/29/2015 00:02        | <a href="#">WG824775</a> |
| Chromium  | U              |           | 0.540       | 2.00        | 1        | 10/28/2015 23:01        | <a href="#">WG824775</a> |
| Iron      | 2990           |           | 15.0        | 100         | 1        | 10/28/2015 23:01        | <a href="#">WG824775</a> |
| Lead      | U              |           | 0.240       | 2.00        | 1        | 10/28/2015 23:01        | <a href="#">WG824775</a> |
| Manganese | 227            |           | 0.250       | 5.00        | 1        | 10/28/2015 23:01        | <a href="#">WG824775</a> |
| Potassium | 5510           |           | 37.0        | 1000        | 1        | 10/28/2015 23:01        | <a href="#">WG824775</a> |
| Selenium  | U              |           | 0.380       | 2.00        | 1        | 10/28/2015 23:01        | <a href="#">WG824775</a> |
| Sodium    | 782000         |           | 1100        | 10000       | 10       | 10/29/2015 00:02        | <a href="#">WG824775</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                         | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|---------------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) Low Fraction       | 1370           |           | 31.4        | 100         | 1        | 10/27/2015 10:55        | <a href="#">WG823733</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 97.3           |           |             | 62.0-128    |          | 10/27/2015 10:55        | <a href="#">WG823733</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| Acetone                     | U              |           | 10.0        | 50.0        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Benzene                     | U              |           | 0.331       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Bromodichloromethane        | U              |           | 0.380       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Bromoform                   | U              |           | 0.469       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Bromomethane                | U              | *         | 0.866       | 5.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| n-Butylbenzene              | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| sec-Butylbenzene            | U              |           | 0.365       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Carbon disulfide            | U              |           | 0.275       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Carbon tetrachloride        | U              |           | 0.379       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Chlorobenzene               | U              |           | 0.348       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Chlorodibromomethane        | U              |           | 0.327       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Chloroethane                | U              |           | 0.453       | 5.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Chloroform                  | U              |           | 0.324       | 5.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Chloromethane               | U              |           | 0.276       | 2.50        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| 1,2-Dibromoethane           | U              |           | 0.381       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| 1,1-Dichloroethane          | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,1,2,2-Tetrachloroethane | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Tetrachloroethene         | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Toluene                   | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| 1,1,1-Trichloroethane     | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| 1,1,2-Trichloroethane     | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Trichloroethene           | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| 1,2,4-Trimethylbenzene    | U              |           | 0.373       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| 1,3,5-Trimethylbenzene    | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Vinyl chloride            | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| o-Xylene                  | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| m&p-Xylene                | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| Xylenes, Total            | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| (S) Toluene-d8            | 104            |           |             | 90.0-115    |          | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| (S) Dibromofluoromethane  | 102            |           |             | 79.0-121    |          | 10/25/2015 20:40        | <a href="#">WG824204</a> |
| (S) 4-Bromofluorobenzene  | 107            |           |             | 80.1-120    |          | 10/25/2015 20:40        | <a href="#">WG824204</a> |

1  
Cp2  
Tc3  
Ss4  
Cn5  
Sr6  
Qc7  
Gl8  
Al9  
Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 599            |           | 24.7        | 100         | 1        | 10/25/2015 00:49        | <a href="#">WG823912</a> |
| (S) o-Terphenyl            | 77.1           |           |             | 50.0-150    |          | 10/25/2015 00:49        | <a href="#">WG823912</a> |



## Metals (ICPMS) by Method 6020

| Analyte   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| Arsenic   | 7.02           |           | 0.250       | 2.00        | 1        | 10/28/2015 23:04        | <a href="#">WG824775</a> |
| Barium    | 32.2           |           | 0.360       | 5.00        | 1        | 10/28/2015 23:04        | <a href="#">WG824775</a> |
| Calcium   | 737000         |           | 2300        | 50000       | 50       | 10/29/2015 00:04        | <a href="#">WG824775</a> |
| Chromium  | U              |           | 0.540       | 2.00        | 1        | 10/28/2015 23:04        | <a href="#">WG824775</a> |
| Iron      | 11800          |           | 15.0        | 100         | 1        | 10/28/2015 23:04        | <a href="#">WG824775</a> |
| Lead      | U              |           | 0.240       | 2.00        | 1        | 10/28/2015 23:04        | <a href="#">WG824775</a> |
| Manganese | 6040           |           | 0.250       | 5.00        | 1        | 10/28/2015 23:04        | <a href="#">WG824775</a> |
| Potassium | 26500          |           | 37.0        | 1000        | 1        | 10/28/2015 23:04        | <a href="#">WG824775</a> |
| Selenium  | 1.31           | J         | 0.380       | 2.00        | 1        | 10/28/2015 23:04        | <a href="#">WG824775</a> |
| Sodium    | 3250000        |           | 5500        | 50000       | 50       | 10/29/2015 00:04        | <a href="#">WG824775</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                         | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|---------------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) Low Fraction       | 45.1           | J         | 31.4        | 100         | 1        | 10/27/2015 11:17        | <a href="#">WG823733</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.3           |           |             | 62.0-128    |          | 10/27/2015 11:17        | <a href="#">WG823733</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| Acetone                     | U              |           | 10.0        | 50.0        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Benzene                     | U              |           | 0.331       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Bromodichloromethane        | U              |           | 0.380       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Bromoform                   | U              |           | 0.469       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Bromomethane                | U              | *         | 0.866       | 5.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| n-Butylbenzene              | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| sec-Butylbenzene            | U              |           | 0.365       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Carbon disulfide            | U              |           | 0.275       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Carbon tetrachloride        | U              |           | 0.379       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Chlorobenzene               | U              |           | 0.348       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Chlorodibromomethane        | U              |           | 0.327       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Chloroethane                | U              |           | 0.453       | 5.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Chloroform                  | U              |           | 0.324       | 5.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Chloromethane               | U              |           | 0.276       | 2.50        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| 1,2-Dibromoethane           | U              |           | 0.381       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| 1,1-Dichloroethane          | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Methyl tert-butyl ether     | 0.696          | J         | 0.367       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,1,2,2-Tetrachloroethane | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Tetrachloroethene         | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Toluene                   | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| 1,1,1-Trichloroethane     | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| 1,1,2-Trichloroethane     | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Trichloroethene           | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| 1,2,4-Trimethylbenzene    | U              |           | 0.373       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| 1,3,5-Trimethylbenzene    | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Vinyl chloride            | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| o-Xylene                  | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| m&p-Xylene                | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| Xylenes, Total            | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| (S) Toluene-d8            | 105            |           |             | 90.0-115    |          | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| (S) Dibromofluoromethane  | 103            |           |             | 79.0-121    |          | 10/25/2015 21:04        | <a href="#">WG824204</a> |
| (S) 4-Bromofluorobenzene  | 101            |           |             | 80.1-120    |          | 10/25/2015 21:04        | <a href="#">WG824204</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 251            |           | 24.7        | 100         | 1        | 10/25/2015 01:14        | <a href="#">WG823912</a> |
| (S) o-Terphenyl            | 81.0           |           |             | 50.0-150    |          | 10/25/2015 01:14        | <a href="#">WG823912</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result   | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|----------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l     |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 17800000 |           | 2820 | 10000 | 1        | 10/26/2015 12:08 | <a href="#">WG823730</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 45.0   | J         | 19.7 | 100  | 1        | 10/28/2015 16:06 | <a href="#">WG824959</a> |

6 Qc

7 Gl

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL   | RDL     | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|-------|---------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l  | ug/l    |          | date / time      |                          |
| Chloride | 4760000 |           | 5190  | 100000  | 100      | 10/24/2015 20:55 | <a href="#">WG824149</a> |
| Fluoride | 1780    |           | 9.90  | 100     | 1        | 10/24/2015 13:44 | <a href="#">WG824149</a> |
| Sulfate  | 8480000 |           | 15500 | 1000000 | 200      | 10/28/2015 10:24 | <a href="#">WG824952</a> |

8 Al

9 Sc

## Metals (ICPMS) by Method 6020

| Analyte   | Result  | Qualifier | MDL   | RDL   | Dilution | Analysis         | Batch                    |
|-----------|---------|-----------|-------|-------|----------|------------------|--------------------------|
|           | ug/l    |           | ug/l  | ug/l  |          | date / time      |                          |
| Arsenic   | 70.5    |           | 0.250 | 2.00  | 1        | 10/28/2015 23:06 | <a href="#">WG824775</a> |
| Barium    | 14.3    |           | 0.360 | 5.00  | 1        | 10/28/2015 23:06 | <a href="#">WG824775</a> |
| Calcium   | 513000  |           | 46.0  | 1000  | 1        | 10/28/2015 23:06 | <a href="#">WG824775</a> |
| Chromium  | 0.685   | J         | 0.540 | 2.00  | 1        | 10/28/2015 23:06 | <a href="#">WG824775</a> |
| Iron      | 5340    |           | 15.0  | 100   | 1        | 10/28/2015 23:06 | <a href="#">WG824775</a> |
| Lead      | U       |           | 0.240 | 2.00  | 1        | 10/28/2015 23:06 | <a href="#">WG824775</a> |
| Manganese | 1820    |           | 0.250 | 5.00  | 1        | 10/28/2015 23:06 | <a href="#">WG824775</a> |
| Potassium | 7270    |           | 37.0  | 1000  | 1        | 10/28/2015 23:06 | <a href="#">WG824775</a> |
| Selenium  | 0.954   | J         | 0.380 | 2.00  | 1        | 10/28/2015 23:06 | <a href="#">WG824775</a> |
| Sodium    | 4500000 |           | 5500  | 50000 | 50       | 10/29/2015 00:06 | <a href="#">WG824775</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 1720   |           | 31.4 | 100      | 1        | 10/27/2015 11:39 | <a href="#">WG823733</a> |
| (S) a,a,a-Trifluorotoluene(FID) 96.9 |        |           |      | 62.0-128 |          | 10/27/2015 11:39 | <a href="#">WG823733</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/25/2015 21:28 | <a href="#">WG824204</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/25/2015 21:28 | <a href="#">WG824204</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/25/2015 21:28 | <a href="#">WG824204</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/25/2015 21:28 | <a href="#">WG824204</a> |
| Bromomethane         | U      | *         | 0.866 | 5.00 | 1        | 10/25/2015 21:28 | <a href="#">WG824204</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/25/2015 21:28 | <a href="#">WG824204</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/25/2015 21:28 | <a href="#">WG824204</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/25/2015 21:28 | <a href="#">WG824204</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/25/2015 21:28 | <a href="#">WG824204</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/25/2015 21:28 | <a href="#">WG824204</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/25/2015 21:28 | <a href="#">WG824204</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/25/2015 21:28 | <a href="#">WG824204</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/25/2015 21:28 | <a href="#">WG824204</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/25/2015 21:28 | <a href="#">WG824204</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/25/2015 21:28 | <a href="#">WG824204</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/25/2015 21:28 | <a href="#">WG824204</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| Methyl tert-butyl ether     | 1.74           |           | 0.367       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| (S) Toluene-d8              | 103            |           |             | 90.0-115    |          | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| (S) Dibromofluoromethane    | 101            |           |             | 79.0-121    |          | 10/25/2015 21:28        | <a href="#">WG824204</a> |
| (S) 4-Bromofluorobenzene    | 103            |           |             | 80.1-120    |          | 10/25/2015 21:28        | <a href="#">WG824204</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 2310           |           | 24.7        | 100         | 1        | 10/25/2015 01:39        | <a href="#">WG823912</a> |
| (S) o-Terphenyl            | 73.1           |           |             | 50.0-150    |          | 10/25/2015 01:39        | <a href="#">WG823912</a> |



Method Blank (MB)

(MB) 10/24/15 15:15

|                  | MB Result | MB Qualifier | MB MDL | MB RDL |
|------------------|-----------|--------------|--------|--------|
| Analyte          | mg/l      |              | mg/l   | mg/l   |
| Dissolved Solids | U         |              | 2.82   | 10.0   |

L795810-01 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 15:12 • (DUP) 10/24/15 15:11

|                  | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte          | mg/l            | mg/l       |          | %       |               | %              |
| Dissolved Solids | 9720            | 9400       | 1        | 3.35    |               | 5              |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/24/15 15:15 • (LCSD) 10/24/15 15:11

|                  | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD   | RPD Limits |
|------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| Analyte          | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %     | %          |
| Dissolved Solids | 8800         | 8730       | 8710        | 99.2     | 99.0      | 85.0-115    |               |                | 0.229 | 5          |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 10/26/15 12:23

|                  | MB Result | MB Qualifier | MB MDL | MB RDL |
|------------------|-----------|--------------|--------|--------|
| Analyte          | mg/l      |              | mg/l   | mg/l   |
| Dissolved Solids | U         |              | 2.82   | 10.0   |

L795810-11 Original Sample (OS) • Duplicate (DUP)

(OS) 10/26/15 12:05 • (DUP) 10/26/15 12:06

|                  | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte          | mg/l            | mg/l       |          | %       |               | %              |
| Dissolved Solids | 12000           | 12000      | 1        | 0.167   |               | 5              |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/26/15 12:15 • (LCSD) 10/26/15 12:15

|                  | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD   | RPD Limits |
|------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| Analyte          | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %     | %          |
| Dissolved Solids | 8800         | 8610       | 8660        | 97.8     | 98.4      | 85.0-115    |               |                | 0.579 | 5          |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc





Method Blank (MB)

(MB) 10/28/15 15:38

|                 | MB Result | MB Qualifier | MB MDL | MB RDL |
|-----------------|-----------|--------------|--------|--------|
| Analyte         | mg/l      |              | mg/l   | mg/l   |
| Nitrate-Nitrite | 0.0210    |              | 0.0197 | 0.100  |

L795810-05 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 15:49 • (DUP) 10/28/15 15:50

|                 | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|-----------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte         | mg/l            | mg/l       |          | %       |               | %              |
| Nitrate-Nitrite | 0.147           | 0.138      | 1        | 6.00    |               | 20             |

L795810-20 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 16:06 • (DUP) 10/28/15 16:07

|                 | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|-----------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte         | mg/l            | mg/l       |          | %       |               | %              |
| Nitrate-Nitrite | ND              | ND         | 1        | 9.00    |               | 20             |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 15:41 • (LCSD) 10/28/15 15:42

|                 | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD  | RPD Limits |
|-----------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|------|------------|
| Analyte         | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %    | %          |
| Nitrate-Nitrite | 5.00         | 5.11       | 5.25        | 102      | 105       | 90.0-110    |               |                | 3.00 | 20         |

L795810-10 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/28/15 15:55 • (MS) 10/28/15 15:56

|                 | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|-----------------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Analyte         | mg/l         | mg/l            | mg/l      | %       |          | %           |              |
| Nitrate-Nitrite | 5.00         | 0.144           | 4.14      | 80.0    | 1        | 90.0-110    | F            |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



L795875-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 16:12 • (MS) 10/28/15 16:13 • (MSD) 10/28/15 16:14

| Analyte         | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD<br>% | RPD Limits<br>% |
|-----------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|---------------------|----------------------|----------|-----------------|
| Nitrate-Nitrite | 5.00                 | 0.125                   | 4.45              | 4.43               | 86.0         | 86.0          | 1        | 90.0-110         | E                   | E                    | 0.000    | 20              |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) 10/23/15 08:25

|          | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
| Analyte  | mg/l      |              | mg/l   | mg/l   |
| Chloride | U         |              | 0.0519 | 1.00   |
| Fluoride | U         |              | 0.0099 | 0.100  |
| Sulfate  | U         |              | 0.0774 | 5.00   |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L795265-02 Original Sample (OS) • Duplicate (DUP)

(OS) 10/23/15 10:28 • (DUP) 10/23/15 10:43

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l            | mg/l       |          | %       |               | %              |
| Sulfate | 366             | 366        | 20       | 0       |               | 20             |

L796064-02 Original Sample (OS) • Duplicate (DUP)

(OS) 10/23/15 19:29 • (DUP) 10/23/15 19:44

|          | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte  | mg/l            | mg/l       |          | %       |               | %              |
| Chloride | 26.9            | 26.9       | 1        | 0       |               | 20             |
| Fluoride | 0.117           | 0.121      | 1        | 4       |               | 20             |
| Sulfate  | 50.9            | 50.8       | 1        | 0       |               | 20             |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/23/15 08:42 • (LCSD) 10/23/15 08:56

|          | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|----------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-----|------------|
| Analyte  | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %   | %          |
| Chloride | 40.0         | 40.4       | 40.4        | 101      | 101       | 90-110      |               |                | 0   | 20         |
| Fluoride | 8.00         | 8.09       | 8.10        | 101      | 101       | 90-110      |               |                | 0   | 20         |
| Sulfate  | 40.0         | 40.4       | 40.5        | 101      | 101       | 90-110      |               |                | 0   | 20         |

L795799-01 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/23/15 11:31 • (MS) 10/23/15 11:57

|          | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|----------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Analyte  | mg/l         | mg/l            | mg/l      | %       |          | %           |              |
| Chloride | 50.0         | 54.2            | 102       | 97      | 1        | 80-120      |              |



L795799-01 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/23/15 11:31 • (MS) 10/23/15 11:57

| Analyte  | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MS Rec.<br>% | Dilution | Rec. Limits<br>% | <u>MS Qualifier</u> |
|----------|----------------------|-------------------------|-------------------|--------------|----------|------------------|---------------------|
| Fluoride | 5.00                 | 0.158                   | 5.24              | 102          | 1        | 80-120           |                     |

L796064-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/23/15 20:56 • (MS) 10/23/15 21:10 • (MSD) 10/23/15 21:24

| Analyte  | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD<br>% | RPD Limits<br>% |
|----------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|---------------------|----------------------|----------|-----------------|
| Chloride | 50.0                 | 39.2                    | 87.5              | 87.6               | 96           | 97            | 1        | 80-120           |                     |                      | 0        | 20              |
| Fluoride | 5.00                 | 0.209                   | 5.21              | 5.26               | 100          | 101           | 1        | 80-120           |                     |                      | 1        | 20              |
| Sulfate  | 50.0                 | 34.8                    | 79.9              | 79.9               | 90           | 90            | 1        | 80-120           |                     |                      | 0        | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 10/24/15 10:43

|          | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
| Analyte  | mg/l      |              | mg/l   | mg/l   |
| Chloride | 0.0603    |              | 0.0519 | 1.00   |
| Fluoride | U         |              | 0.0099 | 0.100  |
| Sulfate  | U         |              | 0.0774 | 5.00   |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L795403-02 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 12:35 • (DUP) 10/24/15 12:48

|          | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte  | mg/l            | mg/l       |          | %       |               | %              |
| Fluoride | 5.19            | 5.71       | 1        | 10      |               | 20             |
| Sulfate  | ND              | 0.000      | 1        | 0       |               | 20             |

L795901-03 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 17:13 • (DUP) 10/24/15 17:27

|          | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte  | mg/l            | mg/l       |          | %       |               | %              |
| Chloride | 1.41            | 1.38       | 1        | 2       |               | 20             |
| Fluoride | 0.0803          | 0.0842     | 1        | 0       |               | 20             |
| Sulfate  | 0.437           | 0.504      | 1        | 0       |               | 20             |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/24/15 10:57 • (LCSD) 10/24/15 11:10

|          | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|----------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-----|------------|
| Analyte  | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %   | %          |
| Chloride | 40.0         | 39.2       | 39.3        | 98       | 98        | 90-110      |               |                | 0   | 20         |
| Fluoride | 8.00         | 7.84       | 7.83        | 98       | 98        | 90-110      |               |                | 0   | 20         |
| Sulfate  | 40.0         | 37.5       | 37.4        | 94       | 93        | 90-110      |               |                | 0   | 20         |

L795810-13 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/24/15 14:53 • (MS) 10/24/15 15:07

|         | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|---------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Analyte | mg/l         | mg/l            | mg/l      | %       |          | %           |              |



L795810-13 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/24/15 14:53 • (MS) 10/24/15 15:07

| Analyte  | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MS Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier |
|----------|----------------------|-------------------------|-------------------|--------------|----------|------------------|--------------|
| Chloride | 50.0                 | 0.175                   | 51.5              | 103          | 1        | 80-120           |              |
| Fluoride | 5.00                 | 0.00320                 | 5.08              | 102          | 1        | 80-120           |              |
| Sulfate  | 50.0                 | 0.0882                  | 47.5              | 95           | 1        | 80-120           |              |

L795901-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/24/15 17:41 • (MS) 10/24/15 17:55 • (MSD) 10/24/15 18:08

| Analyte  | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 50.0                 | 3.58                    | 55.4              | 55.6               | 104          | 104           | 1        | 80-120           |              |               | 0        | 20              |
| Fluoride | 5.00                 | 0.376                   | 5.51              | 5.53               | 103          | 103           | 1        | 80-120           |              |               | 0        | 20              |
| Sulfate  | 50.0                 | 39.8                    | 85.7              | 86.0               | 92           | 92            | 1        | 80-120           |              |               | 0        | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 10/28/15 07:18

|         | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|---------|-----------|---------------------|--------|--------|
| Analyte | mg/l      |                     | mg/l   | mg/l   |
| Sulfate | U         |                     | 0.0774 | 5.00   |

L796122-03 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 13:13 • (DUP) 10/28/15 13:29

|         | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | mg/l            | mg/l       |          | %       |                      | %              |
| Sulfate | 122             | 123        | 5        | 1       |                      | 20             |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 07:33 • (LCSD) 10/28/15 07:49

|         | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD | RPD Limits |
|---------|--------------|------------|-------------|----------|-----------|-------------|----------------------|-----------------------|-----|------------|
| Analyte | mg/l         | mg/l       | mg/l        | %        | %         | %           |                      |                       | %   | %          |
| Sulfate | 40.0         | 40.1       | 40.1        | 100      | 100       | 90-110      |                      |                       | 0   | 20         |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) 10/28/15 20:46

| Analyte   | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|-----------|-------------------|--------------|----------------|----------------|
| Arsenic   | U                 |              | 0.00025        | 0.00200        |
| Barium    | U                 |              | 0.00036        | 0.00500        |
| Calcium   | U                 |              | 0.046          | 1.00           |
| Chromium  | U                 |              | 0.00054        | 0.00200        |
| Iron      | U                 |              | 0.015          | 0.100          |
| Lead      | U                 |              | 0.00024        | 0.00200        |
| Manganese | U                 |              | 0.00025        | 0.00500        |
| Potassium | U                 |              | 0.037          | 1.00           |
| Selenium  | U                 |              | 0.00038        | 0.00200        |
| Sodium    | U                 |              | 0.11           | 1.00           |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 20:48 • (LCSD) 10/28/15 20:51

| Analyte   | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Arsenic   | 0.0500               | 0.0502             | 0.0487              | 100           | 97             | 80-120           |               |                | 3        | 20              |
| Barium    | 0.0500               | 0.0512             | 0.0511              | 102           | 102            | 80-120           |               |                | 0        | 20              |
| Calcium   | 5.00                 | 5.15               | 5.03                | 103           | 101            | 80-120           |               |                | 2        | 20              |
| Chromium  | 0.0500               | 0.0506             | 0.0489              | 101           | 98             | 80-120           |               |                | 3        | 20              |
| Iron      | 5.00                 | 4.92               | 4.83                | 98            | 97             | 80-120           |               |                | 2        | 20              |
| Lead      | 0.0500               | 0.0498             | 0.0494              | 100           | 99             | 80-120           |               |                | 1        | 20              |
| Manganese | 0.0500               | 0.0497             | 0.0478              | 99            | 96             | 80-120           |               |                | 4        | 20              |
| Potassium | 5.00                 | 5.20               | 5.23                | 104           | 105            | 80-120           |               |                | 1        | 20              |
| Selenium  | 0.0500               | 0.0486             | 0.0495              | 97            | 99             | 80-120           |               |                | 2        | 20              |
| Sodium    | 5.00                 | 5.23               | 5.32                | 105           | 106            | 80-120           |               |                | 2        | 20              |

L795810-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 20:53 • (MS) 10/28/15 20:58 • (MSD) 10/28/15 21:00

| Analyte | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Arsenic | 0.0500               | 0.0101                  | 0.0547            | 0.0523             | 89           | 85            | 1        | 75-125           |              |               | 4        | 20              |
| Barium  | 0.0500               | 0.0149                  | 0.0676            | 0.0661             | 105          | 102           | 1        | 75-125           |              |               | 2        | 20              |
| Calcium | 5.00                 | 795                     | 807               | 793                | 247          | 0             | 1        | 75-125           | <u>4</u>     | <u>4</u>      | 2        | 20              |





L795810-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 20:53 • (MS) 10/28/15 20:58 • (MSD) 10/28/15 21:00

| Analyte   | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chromium  | 0.0500               | 0.000242                | 0.0473            | 0.0472             | 94           | 94            | 1        | 75-125           |              |               | 0        | 20              |
| Potassium | 5.00                 | 3.60                    | 8.65              | 8.65               | 101          | 101           | 1        | 75-125           |              |               | 0        | 20              |
| Iron      | 5.00                 | 4.74                    | 9.42              | 9.44               | 94           | 94            | 1        | 75-125           |              |               | 0        | 20              |
| Lead      | 0.0500               | 0.000136                | 0.0459            | 0.0461             | 92           | 92            | 1        | 75-125           |              |               | 0        | 20              |
| Manganese | 0.0500               | 1.79                    | 1.88              | 1.87               | 189          | 172           | 1        | 75-125           | 4            | 4             | 0        | 20              |
| Selenium  | 0.0500               | 0.00113                 | 0.0445            | 0.0423             | 87           | 82            | 1        | 75-125           |              |               | 5        | 20              |
| Sodium    | 5.00                 | 1600                    | 1610              | 1590               | 230          | 0             | 1        | 75-125           | 4            | 4             | 1        | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 10/27/15 08:05

| Analyte                         | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|---------------------------------|-------------------|--------------|----------------|----------------|
| TPH (GC/FID) Low Fraction       | U                 |              | 0.0314         | 0.100          |
| (S) a,a,a-Trifluorotoluene(FID) | 95.7              |              |                | 62.0-128       |

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 06:33 • (LCSD) 10/27/15 07:16

| Analyte                         | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH (GC/FID) Low Fraction       | 5.50                 | 5.09               | 5.31                | 92.6          | 96.5           | 67.0-132         |               |                | 4.21     | 20              |
| (S) a,a,a-Trifluorotoluene(FID) |                      |                    |                     | 103           | 104            | 62.0-128         |               |                |          |                 |

L795776-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/27/15 10:10 • (MS) 10/27/15 08:33 • (MSD) 10/27/15 08:58

| Analyte                         | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction       | 5.50                 | ND                      | 5.58              | 5.24               | 102          | 95.3          | 1        | 50.0-143         |              |               | 6.32     | 20              |
| (S) a,a,a-Trifluorotoluene(FID) |                      |                         |                   |                    | 106          | 104           |          | 62.0-128         |              |               |          |                 |



Method Blank (MB)

(MB) 10/27/15 06:55

| Analyte                         | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|---------------------------------|-------------------|--------------|----------------|----------------|
| TPH (GC/FID) Low Fraction       | U                 |              | 0.0314         | 0.100          |
| (S) a,a,a-Trifluorotoluene(FID) | 97.2              |              |                | 62.0-128       |

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 05:49 • (LCSD) 10/27/15 06:10

| Analyte                         | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH (GC/FID) Low Fraction       | 5.50                 | 5.38               | 5.68                | 97.7          | 103            | 67.0-132         |               |                | 5.50     | 20              |
| (S) a,a,a-Trifluorotoluene(FID) |                      |                    |                     | 96.0          | 99.1           | 62.0-128         |               |                |          |                 |

L795810-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/27/15 09:06 • (MS) 10/27/15 07:59 • (MSD) 10/27/15 08:21

| Analyte                         | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction       | 5.50                 | ND                      | 5.31              | 5.31               | 96.5         | 96.5          | 1        | 50.0-143         |              |               | 0.0800   | 20              |
| (S) a,a,a-Trifluorotoluene(FID) |                      |                         |                   |                    | 95.7         | 97.4          |          | 62.0-128         |              |               |          |                 |



Method Blank (MB)

(MB) 10/28/15 09:14

| Analyte                         | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|---------------------------------|-------------------|--------------|----------------|----------------|
| TPH (GC/FID) Low Fraction       | U                 |              | 0.0314         | 0.100          |
| (S) a,a,a-Trifluorotoluene(FID) | 98.8              |              |                | 62.0-128       |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 06:58 • (LCSD) 10/28/15 07:20

| Analyte                         | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH (GC/FID) Low Fraction       | 5.50                 | 5.15               | 5.55                | 93.7          | 101            | 67.0-132         |               |                | 7.38     | 20              |
| (S) a,a,a-Trifluorotoluene(FID) |                      |                    |                     | 95.7          | 97.2           | 62.0-128         |               |                |          |                 |

L796154-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 12:33 • (MS) 10/28/15 07:42 • (MSD) 10/28/15 08:04

| Analyte                         | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction       | 5.50                 | 13.2                    | 15.8              | 16.3               | 47.7         | 56.6          | 1        | 50.0-143         | F            |               | 3.05     | 20              |
| (S) a,a,a-Trifluorotoluene(FID) |                      |                         |                   |                    | 101          | 100           |          | 62.0-128         |              |               |          |                 |



Method Blank (MB)

(MB) 10/25/15 13:27

| Analyte                     | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Acetone                     | U                 |              | 0.0100         | 0.0500         |
| Benzene                     | U                 |              | 0.000331       | 0.00100        |
| Bromodichloromethane        | U                 |              | 0.000380       | 0.00100        |
| Bromoform                   | U                 |              | 0.000469       | 0.00100        |
| Bromomethane                | U                 |              | 0.000866       | 0.00500        |
| n-Butylbenzene              | U                 |              | 0.000361       | 0.00100        |
| sec-Butylbenzene            | U                 |              | 0.000365       | 0.00100        |
| Carbon disulfide            | U                 |              | 0.000275       | 0.00100        |
| Carbon tetrachloride        | U                 |              | 0.000379       | 0.00100        |
| Chlorobenzene               | U                 |              | 0.000348       | 0.00100        |
| Chlorodibromomethane        | U                 |              | 0.000327       | 0.00100        |
| Chloroethane                | U                 |              | 0.000453       | 0.00500        |
| Chloroform                  | U                 |              | 0.000324       | 0.00500        |
| Chloromethane               | U                 |              | 0.000276       | 0.00250        |
| 1,2-Dibromoethane           | U                 |              | 0.000381       | 0.00100        |
| 1,1-Dichloroethane          | U                 |              | 0.000259       | 0.00100        |
| 1,2-Dichloroethane          | U                 |              | 0.000361       | 0.00100        |
| 1,1-Dichloroethene          | U                 |              | 0.000398       | 0.00100        |
| cis-1,2-Dichloroethene      | U                 |              | 0.000260       | 0.00100        |
| trans-1,2-Dichloroethene    | U                 |              | 0.000396       | 0.00100        |
| 1,2-Dichloropropane         | U                 |              | 0.000306       | 0.00100        |
| cis-1,3-Dichloropropene     | U                 |              | 0.000418       | 0.00100        |
| trans-1,3-Dichloropropene   | U                 |              | 0.000419       | 0.00100        |
| Ethylbenzene                | U                 |              | 0.000384       | 0.00100        |
| 2-Hexanone                  | U                 |              | 0.00382        | 0.0100         |
| Isopropylbenzene            | U                 |              | 0.000326       | 0.00100        |
| p-Isopropyltoluene          | U                 |              | 0.000350       | 0.00100        |
| 2-Butanone (MEK)            | U                 |              | 0.00393        | 0.0100         |
| Methylene Chloride          | U                 |              | 0.00100        | 0.00500        |
| 4-Methyl-2-pentanone (MIBK) | U                 |              | 0.00214        | 0.0100         |
| Methyl tert-butyl ether     | U                 |              | 0.000367       | 0.00100        |
| Naphthalene                 | U                 |              | 0.00100        | 0.00500        |
| n-Propylbenzene             | U                 |              | 0.000349       | 0.00100        |
| Styrene                     | U                 |              | 0.000307       | 0.00100        |
| 1,1,1,2-Tetrachloroethane   | U                 |              | 0.000385       | 0.00100        |
| 1,1,2,2-Tetrachloroethane   | U                 |              | 0.000130       | 0.00100        |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Method Blank (MB)

(MB) 10/25/15 13:27

| Analyte                  | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|--------------------------|-------------------|--------------|----------------|----------------|
| Tetrachloroethene        | U                 |              | 0.000372       | 0.00100        |
| Toluene                  | U                 |              | 0.000780       | 0.00500        |
| 1,1,1-Trichloroethane    | U                 |              | 0.000319       | 0.00100        |
| 1,1,2-Trichloroethane    | U                 |              | 0.000383       | 0.00100        |
| Trichloroethene          | U                 |              | 0.000398       | 0.00100        |
| 1,2,4-Trimethylbenzene   | U                 |              | 0.000373       | 0.00100        |
| 1,3,5-Trimethylbenzene   | U                 |              | 0.000387       | 0.00100        |
| Vinyl chloride           | U                 |              | 0.000259       | 0.00100        |
| Xylenes, Total           | U                 |              | 0.00106        | 0.00300        |
| o-Xylene                 | U                 |              | 0.000341       | 0.00100        |
| m&p-Xylenes              | U                 |              | 0.000719       | 0.00100        |
| (S) Toluene-d8           | 103               |              |                | 90.0-115       |
| (S) Dibromofluoromethane | 96.1              |              |                | 79.0-121       |
| (S) 4-Bromofluorobenzene | 106               |              |                | 80.1-120       |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/25/15 11:03 • (LCSD) 10/25/15 11:27

| Analyte              | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone              | 0.125                | 0.104              | 0.116               | 82.8          | 92.6           | 28.7-175         |               |                | 11.2     | 20.9            |
| Benzene              | 0.0250               | 0.0230             | 0.0249              | 92.1          | 99.7           | 73.0-122         |               |                | 8.00     | 20              |
| Bromodichloromethane | 0.0250               | 0.0234             | 0.0250              | 93.6          | 99.9           | 75.5-121         |               |                | 6.43     | 20              |
| Bromoform            | 0.0250               | 0.0247             | 0.0249              | 98.7          | 99.4           | 71.5-131         |               |                | 0.730    | 20              |
| Bromomethane         | 0.0250               | 0.0104             | 0.0136              | 41.6          | 54.5           | 22.4-187         |               | *              | 27.0     | 20              |
| n-Butylbenzene       | 0.0250               | 0.0257             | 0.0262              | 103           | 105            | 75.9-134         |               |                | 1.87     | 20              |
| sec-Butylbenzene     | 0.0250               | 0.0247             | 0.0264              | 98.7          | 106            | 80.6-126         |               |                | 6.83     | 20              |
| Carbon disulfide     | 0.0250               | 0.0217             | 0.0227              | 86.9          | 90.6           | 53.0-134         |               |                | 4.20     | 20              |
| Carbon tetrachloride | 0.0250               | 0.0231             | 0.0237              | 92.5          | 94.7           | 70.9-129         |               |                | 2.37     | 20              |
| Chlorobenzene        | 0.0250               | 0.0253             | 0.0256              | 101           | 102            | 79.7-122         |               |                | 1.21     | 20              |
| Chlorodibromomethane | 0.0250               | 0.0237             | 0.0248              | 94.8          | 99.2           | 78.2-124         |               |                | 4.57     | 20              |
| Chloroethane         | 0.0250               | 0.0360             | 0.0380              | 144           | 152            | 41.2-153         |               |                | 5.43     | 20              |
| Chloroform           | 0.0250               | 0.0244             | 0.0239              | 97.5          | 95.6           | 73.2-125         |               |                | 1.95     | 20              |
| Chloromethane        | 0.0250               | 0.0155             | 0.0158              | 62.0          | 63.3           | 55.8-134         |               |                | 2.09     | 20              |
| 1,2-Dibromoethane    | 0.0250               | 0.0244             | 0.0240              | 97.4          | 95.9           | 79.8-122         |               |                | 1.59     | 20              |
| 1,1-Dichloroethane   | 0.0250               | 0.0243             | 0.0246              | 97.3          | 98.6           | 71.7-127         |               |                | 1.30     | 20              |



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/25/15 11:03 • (LCSD) 10/25/15 11:27

| Analyte                     | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| 1,2-Dichloroethane          | 0.0250               | 0.0223             | 0.0233              | 89.2          | 93.2           | 65.3-126         |               |                | 4.35     | 20              |
| 1,1-Dichloroethene          | 0.0250               | 0.0236             | 0.0237              | 94.4          | 94.6           | 59.9-137         |               |                | 0.280    | 20              |
| cis-1,2-Dichloroethene      | 0.0250               | 0.0223             | 0.0241              | 89.4          | 96.3           | 77.3-122         |               |                | 7.45     | 20              |
| trans-1,2-Dichloroethene    | 0.0250               | 0.0232             | 0.0238              | 92.7          | 95.2           | 72.6-125         |               |                | 2.56     | 20              |
| 1,2-Dichloropropane         | 0.0250               | 0.0243             | 0.0252              | 97.2          | 101            | 77.4-125         |               |                | 3.77     | 20              |
| cis-1,3-Dichloropropene     | 0.0250               | 0.0251             | 0.0251              | 100           | 100            | 77.7-124         |               |                | 0.240    | 20              |
| trans-1,3-Dichloropropene   | 0.0250               | 0.0255             | 0.0269              | 102           | 108            | 73.5-127         |               |                | 5.59     | 20              |
| Ethylbenzene                | 0.0250               | 0.0242             | 0.0258              | 96.8          | 103            | 80.9-121         |               |                | 6.61     | 20              |
| 2-Hexanone                  | 0.125                | 0.114              | 0.120               | 91.4          | 96.0           | 59.4-151         |               |                | 4.93     | 20              |
| Isopropylbenzene            | 0.0250               | 0.0249             | 0.0248              | 99.7          | 99.1           | 81.6-124         |               |                | 0.560    | 20              |
| p-Isopropyltoluene          | 0.0250               | 0.0246             | 0.0244              | 98.5          | 97.7           | 77.6-129         |               |                | 0.890    | 20              |
| 2-Butanone (MEK)            | 0.125                | 0.106              | 0.120               | 84.8          | 96.1           | 46.4-155         |               |                | 12.5     | 20              |
| Methylene Chloride          | 0.0250               | 0.0236             | 0.0238              | 94.2          | 95.3           | 69.5-120         |               |                | 1.16     | 20              |
| 4-Methyl-2-pentanone (MIBK) | 0.125                | 0.118              | 0.130               | 94.4          | 104            | 63.3-138         |               |                | 9.73     | 20              |
| Methyl tert-butyl ether     | 0.0250               | 0.0230             | 0.0251              | 92.2          | 101            | 70.1-125         |               |                | 8.71     | 20              |
| Naphthalene                 | 0.0250               | 0.0242             | 0.0267              | 97.0          | 107            | 69.7-134         |               |                | 9.60     | 20              |
| n-Propylbenzene             | 0.0250               | 0.0262             | 0.0260              | 105           | 104            | 81.9-122         |               |                | 0.630    | 20              |
| Styrene                     | 0.0250               | 0.0257             | 0.0261              | 103           | 104            | 79.9-124         |               |                | 1.37     | 20              |
| 1,1,1,2-Tetrachloroethane   | 0.0250               | 0.0237             | 0.0256              | 94.8          | 102            | 78.5-125         |               |                | 7.70     | 20              |
| 1,1,2,2-Tetrachloroethane   | 0.0250               | 0.0247             | 0.0266              | 98.7          | 106            | 79.3-123         |               |                | 7.40     | 20              |
| Tetrachloroethene           | 0.0250               | 0.0243             | 0.0244              | 97.1          | 97.4           | 73.5-130         |               |                | 0.270    | 20              |
| Toluene                     | 0.0250               | 0.0241             | 0.0243              | 96.5          | 97.2           | 77.9-116         |               |                | 0.730    | 20              |
| 1,1,1-Trichloroethane       | 0.0250               | 0.0228             | 0.0236              | 91.2          | 94.2           | 71.1-129         |               |                | 3.20     | 20              |
| 1,1,2-Trichloroethane       | 0.0250               | 0.0232             | 0.0237              | 92.9          | 94.7           | 81.6-120         |               |                | 1.85     | 20              |
| Trichloroethene             | 0.0250               | 0.0230             | 0.0241              | 92.1          | 96.4           | 79.5-121         |               |                | 4.51     | 20              |
| 1,2,4-Trimethylbenzene      | 0.0250               | 0.0255             | 0.0257              | 102           | 103            | 79.0-122         |               |                | 0.650    | 20              |
| 1,3,5-Trimethylbenzene      | 0.0250               | 0.0244             | 0.0249              | 97.6          | 99.6           | 81.0-123         |               |                | 2.03     | 20              |
| Vinyl chloride              | 0.0250               | 0.0213             | 0.0221              | 85.1          | 88.3           | 61.5-134         |               |                | 3.60     | 20              |
| Xylenes, Total              | 0.0750               | 0.0707             | 0.0735              | 94.3          | 98.0           | 79.2-122         |               |                | 3.90     | 20              |
| o-Xylene                    | 0.0250               | 0.0234             | 0.0256              | 93.7          | 102            | 79.1-123         |               |                | 8.71     | 20              |
| m&p-Xylenes                 | 0.0500               | 0.0473             | 0.0480              | 94.6          | 95.9           | 78.5-122         |               |                | 1.42     | 20              |
| (S) Toluene-d8              |                      |                    |                     | 108           | 109            | 90.0-115         |               |                |          |                 |
| (S) Dibromofluoromethane    |                      |                    |                     | 97.2          | 99.2           | 79.0-121         |               |                |          |                 |
| (S) 4-Bromofluorobenzene    |                      |                    |                     | 103           | 105            | 80.1-120         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L795791-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/25/15 13:51 • (MS) 10/25/15 12:15 • (MSD) 10/25/15 12:39

| Analyte                     | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Acetone                     | 0.125                | 0.00331                 | 0.109             | 0.111              | 84.8         | 86.5          | 1        | 25.0-156         |              |               | 1.98     | 21.5            |
| Benzene                     | 0.0250               | ND                      | 0.0201            | 0.0208             | 80.3         | 83.2          | 1        | 58.6-133         |              |               | 3.55     | 20              |
| Bromodichloromethane        | 0.0250               | ND                      | 0.0225            | 0.0228             | 89.9         | 91.2          | 1        | 69.2-127         |              |               | 1.37     | 20              |
| Bromoform                   | 0.0250               | ND                      | 0.0217            | 0.0228             | 87.0         | 91.4          | 1        | 66.3-140         |              |               | 4.97     | 20              |
| Bromomethane                | 0.0250               | ND                      | 0.0116            | 0.0113             | 46.3         | 45.0          | 1        | 16.6-183         |              |               | 2.78     | 20.5            |
| n-Butylbenzene              | 0.0250               | ND                      | 0.0221            | 0.0222             | 88.2         | 89.0          | 1        | 64.8-145         |              |               | 0.830    | 20              |
| sec-Butylbenzene            | 0.0250               | ND                      | 0.0230            | 0.0208             | 92.0         | 83.3          | 1        | 66.8-139         |              |               | 9.88     | 20              |
| Carbon disulfide            | 0.0250               | ND                      | 0.0146            | 0.0141             | 58.6         | 56.3          | 1        | 34.9-138         |              |               | 4.00     | 20              |
| Carbon tetrachloride        | 0.0250               | ND                      | 0.0209            | 0.0213             | 83.7         | 85.0          | 1        | 60.6-139         |              |               | 1.62     | 20              |
| Chlorobenzene               | 0.0250               | ND                      | 0.0233            | 0.0220             | 93.4         | 88.0          | 1        | 70.1-130         |              |               | 5.90     | 20              |
| Chlorodibromomethane        | 0.0250               | ND                      | 0.0224            | 0.0216             | 89.5         | 86.2          | 1        | 71.6-132         |              |               | 3.74     | 20              |
| Chloroethane                | 0.0250               | ND                      | 0.0285            | 0.0286             | 114          | 114           | 1        | 33.3-155         |              |               | 0.350    | 20              |
| Chloroform                  | 0.0250               | 0.00332                 | 0.0247            | 0.0250             | 85.4         | 86.6          | 1        | 66.1-133         |              |               | 1.18     | 20              |
| Chloromethane               | 0.0250               | ND                      | 0.0128            | 0.0123             | 51.2         | 49.3          | 1        | 40.7-139         |              |               | 3.80     | 20              |
| 1,2-Dibromoethane           | 0.0250               | ND                      | 0.0219            | 0.0225             | 87.7         | 90.2          | 1        | 73.8-131         |              |               | 2.76     | 20              |
| 1,1-Dichloroethane          | 0.0250               | ND                      | 0.0211            | 0.0214             | 84.4         | 85.5          | 1        | 64.0-134         |              |               | 1.20     | 20              |
| 1,2-Dichloroethane          | 0.0250               | ND                      | 0.0204            | 0.0211             | 81.6         | 84.3          | 1        | 60.7-132         |              |               | 3.31     | 20              |
| 1,1-Dichloroethene          | 0.0250               | ND                      | 0.0191            | 0.0182             | 76.2         | 72.6          | 1        | 48.8-144         |              |               | 4.82     | 20              |
| cis-1,2-Dichloroethene      | 0.0250               | ND                      | 0.0211            | 0.0200             | 84.6         | 79.8          | 1        | 60.6-136         |              |               | 5.81     | 20              |
| trans-1,2-Dichloroethene    | 0.0250               | ND                      | 0.0194            | 0.0191             | 77.5         | 76.6          | 1        | 61.0-132         |              |               | 1.17     | 20              |
| 1,2-Dichloropropane         | 0.0250               | ND                      | 0.0218            | 0.0213             | 87.4         | 85.2          | 1        | 69.7-130         |              |               | 2.51     | 20              |
| cis-1,3-Dichloropropene     | 0.0250               | ND                      | 0.0221            | 0.0234             | 88.5         | 93.6          | 1        | 71.1-129         |              |               | 5.58     | 20              |
| trans-1,3-Dichloropropene   | 0.0250               | ND                      | 0.0226            | 0.0243             | 90.6         | 97.1          | 1        | 66.3-136         |              |               | 6.96     | 20              |
| Ethylbenzene                | 0.0250               | ND                      | 0.0214            | 0.0200             | 85.4         | 79.8          | 1        | 62.7-136         |              |               | 6.78     | 20              |
| 2-Hexanone                  | 0.125                | ND                      | 0.109             | 0.104              | 87.2         | 83.0          | 1        | 59.4-154         |              |               | 4.90     | 20.1            |
| Isopropylbenzene            | 0.0250               | ND                      | 0.0221            | 0.0204             | 88.6         | 81.5          | 1        | 67.4-136         |              |               | 8.34     | 20              |
| p-Isopropyltoluene          | 0.0250               | ND                      | 0.0233            | 0.0220             | 93.1         | 88.2          | 1        | 62.8-143         |              |               | 5.43     | 20              |
| 2-Butanone (MEK)            | 0.125                | ND                      | 0.112             | 0.120              | 89.8         | 96.0          | 1        | 45.0-156         |              |               | 6.65     | 20.8            |
| Methylene Chloride          | 0.0250               | ND                      | 0.0208            | 0.0204             | 83.2         | 81.6          | 1        | 61.5-125         |              |               | 1.90     | 20              |
| 4-Methyl-2-pentanone (MIBK) | 0.125                | ND                      | 0.117             | 0.122              | 93.9         | 98.0          | 1        | 60.7-150         |              |               | 4.25     | 20              |
| Methyl tert-butyl ether     | 0.0250               | ND                      | 0.0220            | 0.0227             | 88.0         | 90.7          | 1        | 61.4-136         |              |               | 3.02     | 20              |
| Naphthalene                 | 0.0250               | ND                      | 0.0234            | 0.0237             | 93.8         | 95.0          | 1        | 61.8-143         |              |               | 1.28     | 20              |
| n-Propylbenzene             | 0.0250               | ND                      | 0.0224            | 0.0216             | 89.5         | 86.4          | 1        | 63.2-139         |              |               | 3.53     | 20              |
| Styrene                     | 0.0250               | ND                      | 0.0234            | 0.0214             | 93.5         | 85.6          | 1        | 68.2-133         |              |               | 8.82     | 20              |
| 1,1,1,2-Tetrachloroethane   | 0.0250               | ND                      | 0.0230            | 0.0223             | 92.2         | 89.3          | 1        | 70.5-132         |              |               | 3.18     | 20              |
| 1,1,2,2-Tetrachloroethane   | 0.0250               | ND                      | 0.0251            | 0.0252             | 100          | 101           | 1        | 64.9-145         |              |               | 0.520    | 20              |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc





L795791-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/25/15 13:51 • (MS) 10/25/15 12:15 • (MSD) 10/25/15 12:39

| Analyte                  | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Tetrachloroethene        | 0.0250               | ND                      | 0.0207            | 0.0190             | 82.7         | 76.2          | 1        | 57.4-141         |              |               | 8.21     | 20              |
| Toluene                  | 0.0250               | ND                      | 0.0193            | 0.0206             | 77.3         | 82.6          | 1        | 67.8-124         |              |               | 6.59     | 20              |
| 1,1,1-Trichloroethane    | 0.0250               | ND                      | 0.0208            | 0.0221             | 83.0         | 88.5          | 1        | 58.7-134         |              |               | 6.36     | 20              |
| 1,1,2-Trichloroethane    | 0.0250               | ND                      | 0.0218            | 0.0228             | 87.3         | 91.1          | 1        | 74.1-130         |              |               | 4.32     | 20              |
| Trichloroethene          | 0.0250               | ND                      | 0.0191            | 0.0206             | 76.4         | 82.4          | 1        | 48.9-148         |              |               | 7.54     | 20              |
| 1,2,4-Trimethylbenzene   | 0.0250               | ND                      | 0.0233            | 0.0223             | 93.1         | 89.1          | 1        | 60.5-137         |              |               | 4.38     | 20              |
| 1,3,5-Trimethylbenzene   | 0.0250               | ND                      | 0.0224            | 0.0210             | 89.4         | 84.0          | 1        | 67.9-134         |              |               | 6.21     | 20              |
| Vinyl chloride           | 0.0250               | ND                      | 0.0181            | 0.0173             | 72.3         | 69.2          | 1        | 44.3-143         |              |               | 4.41     | 20              |
| Xylenes, Total           | 0.0750               | ND                      | 0.0645            | 0.0601             | 86.0         | 80.1          | 1        | 65.6-133         |              |               | 7.05     | 20              |
| o-Xylene                 | 0.0250               | ND                      | 0.0220            | 0.0201             | 87.9         | 80.3          | 1        | 67.1-133         |              |               | 9.04     | 20              |
| m&p-Xylenes              | 0.0500               | ND                      | 0.0425            | 0.0400             | 85.0         | 80.0          | 1        | 64.1-133         |              |               | 6.03     | 20              |
| (S) Toluene-d8           |                      |                         |                   |                    | 99.7         | 107           |          | 90.0-115         |              |               |          |                 |
| (S) Dibromofluoromethane |                      |                         |                   |                    | 99.1         | 99.2          |          | 79.0-121         |              |               |          |                 |
| (S) 4-Bromofluorobenzene |                      |                         |                   |                    | 104          | 100           |          | 80.1-120         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 10/24/15 15:19

| Analyte                    | MB Result | MB Qualifier | MB MDL | MB RDL   |
|----------------------------|-----------|--------------|--------|----------|
|                            | mg/l      |              | mg/l   | mg/l     |
| TPH (GC/FID) High Fraction | U         |              | 0.0247 | 0.100    |
| (S) o-Terphenyl            | 84.8      |              |        | 50.0-150 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/24/15 15:43 • (LCSD) 10/24/15 16:08

| Analyte                    | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD   | RPD Limits |
|----------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
|                            | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %     | %          |
| TPH (GC/FID) High Fraction | 1.50         | 1.32       | 1.33        | 87.8     | 88.4      | 50.0-150    |               |                | 0.690 | 20         |
| (S) o-Terphenyl            |              |            |             | 78.3     | 80.4      | 50.0-150    |               |                |       |            |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



## Abbreviations and Definitions

|                 |                                                                                                                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SDG             | Sample Delivery Group.                                                                                                                                                                                                                                                       |
| MDL             | Method Detection Limit.                                                                                                                                                                                                                                                      |
| RDL             | Reported Detection Limit.                                                                                                                                                                                                                                                    |
| ND,U            | Not detected at the Reporting Limit (or MDL where applicable).                                                                                                                                                                                                               |
| RPD             | Relative Percent Difference.                                                                                                                                                                                                                                                 |
| (dry)           | Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].                                                                                                                                                     |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.                                                                              |
| (S)             | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. |
| Rec.            | Recovery.                                                                                                                                                                                                                                                                    |
| SDL             | Sample Detection Limit.                                                                                                                                                                                                                                                      |
| MQL             | Method Quantitation Limit.                                                                                                                                                                                                                                                   |
| Unadj. MQL      | Unadjusted Method Quantitation Limit.                                                                                                                                                                                                                                        |

| Qualifier | Description                                                                                                                                     |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 4         | The sample concentration was greater than 4 times the spike value.                                                                              |
| *         | LCS/LCSD recovery outside the control limit or RPD value outside the control limit.                                                             |
| F         | The MS/MSD recovery outside the control limit.                                                                                                  |
| J         | Estimated value.                                                                                                                                |
| O1        | The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference. |
| X         | Surrogate recovery outside the control limit.                                                                                                   |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.

## State Accreditations

|                       |             |                             |                   |
|-----------------------|-------------|-----------------------------|-------------------|
| Alabama               | 40660       | Nevada                      | TN-03-2002-34     |
| Alaska                | UST-080     | New Hampshire               | 2975              |
| Arizona               | AZ0612      | New Jersey–NELAP            | TN002             |
| Arkansas              | 88-0469     | New Mexico                  | TN00003           |
| California            | 01157CA     | New York                    | 11742             |
| Colorado              | TN00003     | North Carolina              | Env375            |
| Connecticut           | PH-0197     | North Carolina <sup>1</sup> | DW21704           |
| Florida               | E87487      | North Carolina <sup>2</sup> | 41                |
| Georgia               | NELAP       | North Dakota                | R-140             |
| Georgia <sup>1</sup>  | 923         | Ohio–VAP                    | CL0069            |
| Idaho                 | TN00003     | Oklahoma                    | 9915              |
| Illinois              | 200008      | Oregon                      | TN200002          |
| Indiana               | C-TN-01     | Pennsylvania                | 68-02979          |
| Iowa                  | 364         | Rhode Island                | 221               |
| Kansas                | E-10277     | South Carolina              | 84004             |
| Kentucky <sup>1</sup> | 90010       | South Dakota                | n/a               |
| Kentucky <sup>2</sup> | 16          | Tennessee <sup>14</sup>     | 2006              |
| Louisiana             | AI30792     | Texas                       | T 104704245-07-TX |
| Maine                 | TN0002      | Texas <sup>5</sup>          | LAB0152           |
| Maryland              | 324         | Utah                        | 6157585858        |
| Massachusetts         | M-TN003     | Vermont                     | VT2006            |
| Michigan              | 9958        | Virginia                    | 109               |
| Minnesota             | 047-999-395 | Washington                  | C1915             |
| Mississippi           | TN00003     | West Virginia               | 233               |
| Missouri              | 340         | Wisconsin                   | 9980939910        |
| Montana               | CERT0086    | Wyoming                     | A2LA              |
| Nebraska              | NE-OS-15-05 |                             |                   |

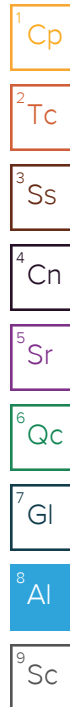
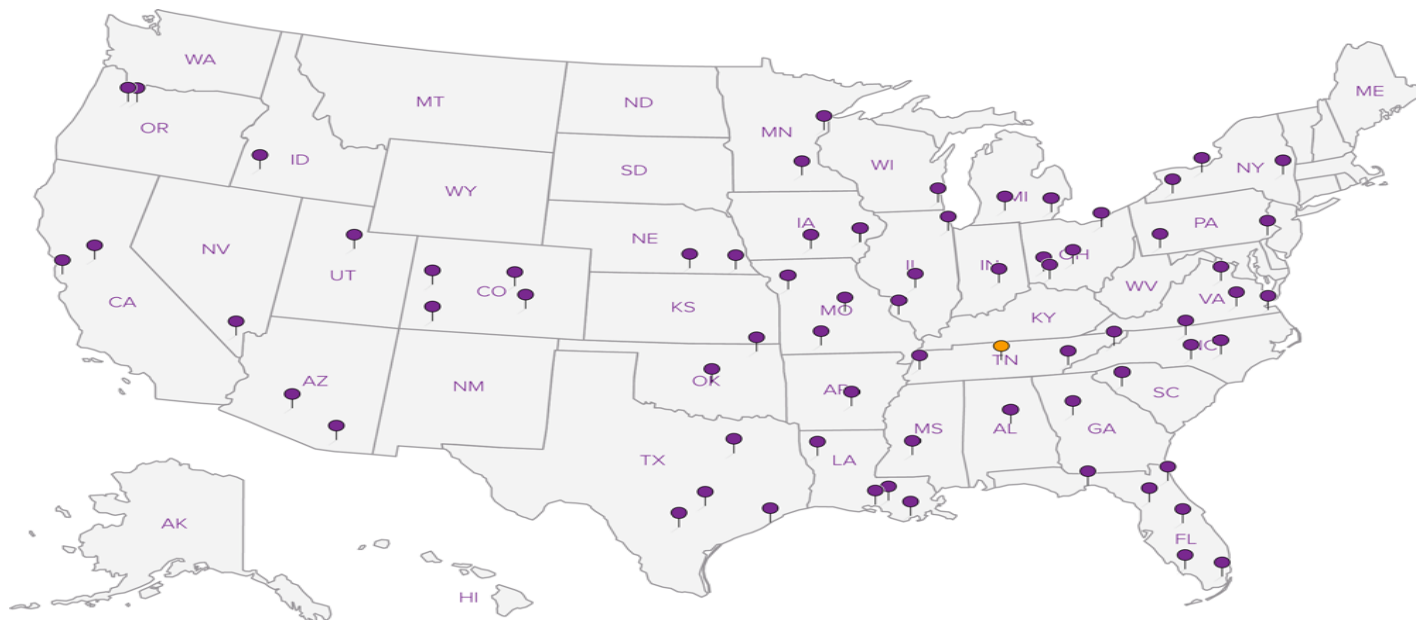
## Third Party & Federal Accreditations

|                               |         |      |         |
|-------------------------------|---------|------|---------|
| A2LA – ISO 17025              | 1461.01 | AIHA | 100789  |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 | DOD  | 1461.01 |
| Canada                        | 1461.01 | USDA | S-67674 |
| EPA–Crypto                    | TN00003 |      |         |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>n/a</sup> Accreditation not applicable

## Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



(Shipment #1)

## ARCADIS US - TX

2929 Briarpark Dr., Suite 300  
Houston, TX 77042

## Billing Information:

Att: Accounts Payable  
630 Plaza Drive, Suite 600  
Highlands Ranch, CO 80129Report to:  
Pam KruegerEmail To: pam.krueger@arcadis-us.com;  
maisha.turner@arcadis-us.com;Project  
Description: Navajo Refining Company - Artesia, NMCity/State  
Collected: Artesia, NMPhone: 713-953-4800  
Fax:Client Project #  
TX000836.0007.15004Lab Project #  
ARCADHTX-NAVAJO FULLCollected by (print):  
Greg ScherbenskeSite/Facility ID #  
EP

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Date Results Needed

Immediately  
Packed on Ice N ☐ Y ☒

☐ Same Day .....200%  
☐ Next Day .....100%  
☐ Two Day .....50%  
☐ Three Day .....25%

Email? ☐ No ☒ Yes  
 FAX? ☐ No ☐ Yes

No.  
of  
Cntrs

| Sample ID | Comp/Grab | Matrix * | Depth | Date     | Time | No.<br>of<br>Cntrs | CL, FL, SO4 125mlHDPE-NoPres | CN 250mlHDPEAmb-NaOH | DRO 100ml Amb-HCl | GRO 40ml Amb HCl | METALS 6020 500mlHDPE-HNO3 | NO2NO3 250mlHDPE-H2SO4 | TDS 250mlHDPE-NoPres | TOTAL METALS 500mlHDPE-HNO3 | V8260 40mlAmb-HCl | V8260 40mlAmb-HCl-Bik |
|-----------|-----------|----------|-------|----------|------|--------------------|------------------------------|----------------------|-------------------|------------------|----------------------------|------------------------|----------------------|-----------------------------|-------------------|-----------------------|
| MW-85     |           | GW       |       |          |      | 10                 | X                            |                      | X                 | X                | (X)                        | X                      | X                    |                             | X                 |                       |
| MW-120    | Grab      | GW       |       | 10/19/15 | 1745 | 10                 | X                            |                      | X                 | X                | (X)                        | X                      | X                    |                             | X                 |                       |
| MW-121    |           | GW       |       | 10/19/15 | 1655 | 10                 | X                            |                      | X                 | X                | (X)                        | X                      | X                    |                             | X                 |                       |
| MW-84     |           | GW       |       | 10/19/15 | 1325 | 10                 | X                            |                      | X                 | X                | (X)                        | X                      | X                    |                             | X                 |                       |
| MW-122    |           | GW       |       | 10/19/15 | 1445 | 10                 | X                            |                      | X                 | X                | (X)                        | X                      | X                    |                             | X                 |                       |
| MW-79     |           | GW       |       | 10/19/15 | 1020 | 10                 | X                            |                      | X                 | X                | (X)                        | X                      | X                    |                             | X                 |                       |
| MW-74     |           | GW       |       | 10/19/15 | 1125 | 10                 | X                            |                      | X                 | X                | (X)                        | X                      | X                    |                             | X                 |                       |
| MW-2A     |           | GW       |       | 10/19/15 | 1555 | 10                 | X                            |                      | X                 | X                | (X)                        | X                      | X                    |                             | X                 |                       |
| OCD-6     |           | GW       |       | 10/19/15 | 920  | 10                 | X                            |                      | X                 | X                | (X)                        | X                      | X                    |                             | X                 |                       |
| OCD-7AR   |           | GW       |       | 10/19/15 | 835  | 10                 | X                            |                      | X                 | X                | (X)                        | X                      | X                    |                             | X                 |                       |

\* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

## Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Hold #

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Samples returned via: ☐ UPS

Condition: (lab use only)

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received:

COC Seal Intact: ☐ Y ☐ N ☐ NA

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: Time:

pH Checked: NCF:

Chain of Custody Page 1 of 15



YOUR LAB OF CHOICE

12065 Lebanon Rd  
Mount Juliet, TN 37122  
Phone: 615-758-5858  
Phone: 800-767-5859  
Fax: 615-758-5859L# L795 810  
D006

Acctnum: ARCADHTX

Template: T105598

Prelogin: P524659

TSR: 633 - Pam Langford

PB: 9-15-156

Shipped Via: FedEx Ground

Rem./Contaminant Sample # (lab only)

GOS Not sampled; LNAPE

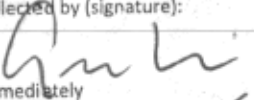
-01  
 -02  
 -03  
 -04  
 -05  
 -06  
 -07  
 -08  
 -09

27 306

10/21/15 0900

&lt;2&gt;12

(shipment # 1)

|                                                                                                               |           |                                                                                                                                                                                                                               |       |                                                                                                                                                                    |      |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |                   |                  |                            |                        |                      |                   |                       |                  |                                                                                                                                                                                                                                                    |  |
|---------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|----------------------------|------------------------|----------------------|-------------------|-----------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>ARCADIS US - TX</b><br><br>2929 Briarpark Dr., Suite 300<br>Houston, TX 77042                              |           |                                                                                                                                                                                                                               |       | Billing Information:<br><br>Att: Accounts Payable<br>630 Plaza Drive, Suite 600<br>Highlands Ranch, CO 80129                                                       |      |              |                              | Analysis / Container / Preservative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |                   |                  |                            |                        |                      |                   |                       |                  | Chain of Custody Page 10 of 15                                                                                                                                                                                                                     |  |
| Report to:<br><b>Pam Krueger</b>                                                                              |           |                                                                                                                                                                                                                               |       | Email To: pam.krueger@arcadis-us.com;<br>maisha.turner@arcadis-us.com;                                                                                             |      |              |                              | <div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">             Cations only<br/>             (Ca, K, Na)           </div> <div> <p>CL, FL, SO4 125mlHDPE-NoPres</p> <p>CL, FL, SO4 125mlHDPE-NoPres</p> <p>CN 250mlHDPEAmb-NaOH</p> <p>DRO 100ml Amb-HCl</p> <p>GRO 40ml Amb HCl</p> <p>METALS 6020 500mlHDPE-HNO3</p> <p>NO2NO3 250mlHDPE-H2SO4</p> <p>TDS 250mlHDPE-NoPres</p> <p>V8260 40mlAmb-HCl</p> <p>V8260 40mlAmb-HCl-BIK</p> </div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">             = with<br/>             Ca, K, Na           </div> </div> |                      |                   |                  |                            |                        |                      |                   |                       |                  | <br>L.A.B S.C.I.E.N.C.E.S<br>YOUR LAB OF CHOICE<br>12065 Lebanon Rd<br>Mount Juliet, TN 37122<br>Phone: 615-758-5858<br>Phone: 800-767-5859<br>Fax: 615-758-5859 |  |
| Project Description: <b>Navajo Refining Company - Artesia, NM</b>                                             |           |                                                                                                                                                                                                                               |       | City/State Collected: <b>Artesia, NM</b>                                                                                                                           |      |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |                   |                  |                            |                        |                      |                   |                       |                  | L # <b>L795810</b>                                                                                                                                                                                                                                 |  |
| Phone: <b>713-953-4800</b><br>Fax:                                                                            |           | Client Project #<br><b>TX000836.0007.15004</b>                                                                                                                                                                                |       | Lab Project #<br><b>ARCADHTX-NAVAJO FULL</b>                                                                                                                       |      |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |                   |                  |                            |                        |                      |                   |                       |                  | Table #                                                                                                                                                                                                                                            |  |
| Collected by (print):<br><b>Greg Scherbenke</b>                                                               |           | Site/Facility ID #<br><b>EP</b>                                                                                                                                                                                               |       | P.O. #                                                                                                                                                             |      |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |                   |                  |                            |                        |                      |                   |                       |                  | Acctnum: <b>ARCADHTX</b><br>Template: <b>T105606</b><br>Prelogin: <b>P524666</b>                                                                                                                                                                   |  |
| Collected by (signature):<br> |           | <b>Rush? (Lab MUST Be Notified)</b><br><input type="checkbox"/> Same Day .....200%<br><input type="checkbox"/> Next Day .....100%<br><input type="checkbox"/> Two Day .....50%<br><input type="checkbox"/> Three Day .....25% |       | Date Results Needed<br>Email? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes<br>FAX? <input type="checkbox"/> No <input type="checkbox"/> Yes |      |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |                   |                  |                            |                        |                      |                   |                       |                  | TSR: 633 - Pam Langford<br>PB: <b>Q-15-15 mr</b>                                                                                                                                                                                                   |  |
| Immediately<br>Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>                 |           |                                                                                                                                                                                                                               |       |                                                                                                                                                                    |      |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |                   |                  |                            |                        |                      |                   |                       |                  | Shipped Via: <b>FedEX Ground</b>                                                                                                                                                                                                                   |  |
| Sample ID                                                                                                     | Comp/Grab | Matrix *                                                                                                                                                                                                                      | Depth | Date                                                                                                                                                               | Time | No. of Cntrs | CL, FL, SO4 125mlHDPE-NoPres | CL, FL, SO4 125mlHDPE-NoPres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CN 250mlHDPEAmb-NaOH | DRO 100ml Amb-HCl | GRO 40ml Amb HCl | METALS 6020 500mlHDPE-HNO3 | NO2NO3 250mlHDPE-H2SO4 | TDS 250mlHDPE-NoPres | V8260 40mlAmb-HCl | V8260 40mlAmb-HCl-BIK | Rem./Contaminant | Sample # (lab only)                                                                                                                                                                                                                                |  |
| OCD-1R                                                                                                        | Grab      | GW                                                                                                                                                                                                                            |       | 10/19/15                                                                                                                                                           | 830  | 10           | X                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      | X                 | X                | (X)                        | X                      | X                    | X                 |                       |                  | -10                                                                                                                                                                                                                                                |  |
| OCD-5                                                                                                         |           | GW                                                                                                                                                                                                                            |       | 10/19/15                                                                                                                                                           | 925  | 10           | X                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      | X                 | X                | (X)                        | X                      | X                    | X                 |                       |                  | -11                                                                                                                                                                                                                                                |  |
| MW-124                                                                                                        |           | GW                                                                                                                                                                                                                            |       | 10/19/15                                                                                                                                                           | 1730 | 10           | X                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      | X                 | X                | (X)                        | X                      | X                    | X                 |                       |                  | -12                                                                                                                                                                                                                                                |  |
| EB-EP-02                                                                                                      |           | GW                                                                                                                                                                                                                            |       | 10/19/15                                                                                                                                                           | 1745 | 10           | X                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      | X                 | X                | (X)                        | X                      | X                    | X                 |                       |                  | -13                                                                                                                                                                                                                                                |  |
| OCD-2A                                                                                                        |           | GW                                                                                                                                                                                                                            |       | 10/19/15                                                                                                                                                           | 1235 | 7            |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      | X                 | X                | X                          |                        |                      | X                 |                       |                  | -14                                                                                                                                                                                                                                                |  |
| OCD-3                                                                                                         |           | GW                                                                                                                                                                                                                            |       | 10/19/15                                                                                                                                                           | 1145 | 7            |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      | X                 | X                | X                          |                        |                      | X                 |                       |                  | -15                                                                                                                                                                                                                                                |  |
| OCD-4                                                                                                         |           | GW                                                                                                                                                                                                                            |       | 10/19/15                                                                                                                                                           | 1100 | 7            | X                            | X <sup>54</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      | X                 | X                | X                          | X                      | X                    | X                 | X <sup>54</sup>       |                  | -16                                                                                                                                                                                                                                                |  |
| MW-11A                                                                                                        |           | GW                                                                                                                                                                                                                            |       | 10/19/15                                                                                                                                                           | 1015 | 4            | X                            | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                   |                  | X                          | X                      | X                    |                   |                       |                  | -17                                                                                                                                                                                                                                                |  |
| MW-70                                                                                                         |           | GW                                                                                                                                                                                                                            |       | 10/19/15                                                                                                                                                           | 1645 | 7            |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      | X                 | X                | X                          |                        |                      | X                 |                       |                  | -18                                                                                                                                                                                                                                                |  |
| MW-87                                                                                                         |           | GW                                                                                                                                                                                                                            |       | 10/19/15                                                                                                                                                           | 1505 | 7            |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      | X                 | X                | X                          |                        |                      | X                 |                       |                  | -19                                                                                                                                                                                                                                                |  |

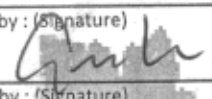
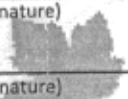
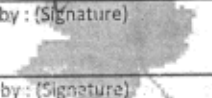
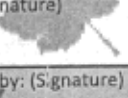
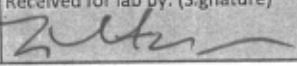
\* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other \_\_\_\_\_

Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Hold # \_\_\_\_\_

|                                                                                                                     |                |           |                                                                                                                          |                                                                                                                                                                 |                           |
|---------------------------------------------------------------------------------------------------------------------|----------------|-----------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Relinquished by: (Signature)<br> | Date: 10/20/15 | Time: 700 | Received by: (Signature)<br>        | Samples returned via: <input type="checkbox"/> UPS<br><input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____ | Condition: (lab use only) |
| Relinquished by: (Signature)<br> | Date:          | Time:     | Received by: (Signature)<br>        | Temp: 2.7 °C Bottles Received: 306                                                                                                                              | COC Seal Intact: Y N NA   |
| Relinquished by: (Signature)<br> | Date:          | Time:     | Received for lab by: (Signature)<br> | Date: 10/29/15 Time: 0900                                                                                                                                       | pH Checked: <2 >12 NCF:   |



# ARCADIS US - TX

2929 Briarpark Dr., Suite 300  
Houston, TX 77042

Report to:  
Pam Krueger

Project  
Description: Navajo Refining Company - Artesia, NM

Phone: 713-953-4800  
Fax:

Collected by (print):  
Greg Scherbenske

Collected by (signature):

Immediately  
Packed on Ice N ☐ Y ☒

## Billing Information:

Att: Accounts Payable  
630 Plaza Drive, Suite 600  
Highlands Ranch, CO 80129

Email To: pam.krueger@arcadis-us.com;  
maisha.turner@arcadis-us.com;

City/State  
Collected: Artesia, NM

Lab Project #  
ARCADHTX-NAVAJO FULL

P.O. #

Date Results Needed

Email? ☐ No ☒ Yes  
FAX? ☐ No ☐ Yes

No.  
of  
Cntrs

## Analysis / Container / Preservative

CL, FL, SO4 125mlHDPE-NoPres  
CN 250mlHDPEAmb-NaOH  
DRO 100ml Amb-HCl  
GRO 40ml Amb HCl  
METALS 6020 500mlHDPE-HNO3  
NO2NO3 250mlHDPE-H2SO4  
TDS 250mlHDPE-NoPres  
TOTAL METALS 500mlHDPE-HNO3 (Hg, Ni, V, As)  
V8260 40mlAmb-HCl  
V8260 40mlAmb-HCl-Bik

Chain of Custody Page 11 of 15



YOUR LAB OF CHOICE

12065 Lebanon Rd  
Mount Juliet, TN 37122  
Phone: 615-758-5858  
Phone: 800-767-5859  
Fax: 615-758-5859



L # 1795910

Table #

Acctnum: ARCADHTX

Template: T105600

Prelogin: P524665

TSR: 633 - Pam Langford

PB: 9.16.11

Shipped Via: FedEx Ground

Rem./Contaminant Sample # (lab only)

| Sample ID          | Comp/Grab | Matrix * | Depth | Date     | Time | No. of Cntrs | CL, FL, SO4 125mlHDPE-NoPres | CN 250mlHDPEAmb-NaOH | DRO 100ml Amb-HCl | GRO 40ml Amb HCl | METALS 6020 500mlHDPE-HNO3 | NO2NO3 250mlHDPE-H2SO4 | TDS 250mlHDPE-NoPres | TOTAL METALS 500mlHDPE-HNO3 (Hg, Ni, V, As) | V8260 40mlAmb-HCl | V8260 40mlAmb-HCl-Bik | Rem./Contaminant | Sample # (lab only) |
|--------------------|-----------|----------|-------|----------|------|--------------|------------------------------|----------------------|-------------------|------------------|----------------------------|------------------------|----------------------|---------------------------------------------|-------------------|-----------------------|------------------|---------------------|
| MW-5A              | Grab      | GW       |       | 10/19/15 | 1500 | 10           | X                            |                      | X                 | X                | (X)                        | X                      | X                    |                                             | X                 |                       |                  | -20                 |
| MW-7A              |           | GW       |       | 10/19/15 | 1605 | 10           | X                            |                      | X                 | X                | (X)                        | X                      | X                    |                                             | X                 |                       |                  | -21                 |
| DUP-EP-01          |           | GW       |       | 10/19/15 | 1100 | 10           | X                            |                      | X                 | X                | (X)                        | X                      | X                    |                                             | X                 |                       |                  | -22                 |
| OCD-8A             |           | GW       |       | 10/19/15 | 1720 | 11           | X                            | X                    | X                 | X                | (X)                        | X                      | X                    | X                                           | X                 |                       |                  | -23                 |
| DUP-EP-02          |           | GW       |       |          |      | 10           | X                            |                      | X                 | X                | (X)                        | X                      | X                    |                                             | X                 |                       | 405              |                     |
| DUP-EP-03          | Grab      | GW       |       | 10/19/15 | 1000 | 10           | X                            |                      | X                 | X                | (X)                        | X                      | X                    |                                             | X                 |                       |                  | -24                 |
| EB-EP-03           |           | GW       |       | 10/19/15 | 1515 | 10           | X                            |                      | X                 | X                | (X)                        | X                      | X                    |                                             | X                 |                       |                  | -25                 |
|                    |           | GW       |       |          |      | 10           | X                            |                      | X                 | X                | X                          | X                      | X                    |                                             | X                 |                       | 54               |                     |
| TRIP BLANK-BEST-02 | Grab      | GW       |       | 10/19/15 | -    | 1            |                              |                      |                   |                  |                            |                        |                      |                                             |                   | X                     |                  | -26                 |
| EP                 |           |          |       |          |      |              |                              |                      |                   |                  |                            |                        |                      |                                             |                   |                       |                  |                     |

\* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

## Remarks:

pH Temp

Flow Other

Hold #

Relinquished by: (Signature)

Date: 10/20/15

Time: 700

Received by: (Signature)

Samples returned via: ☐ UPS

☒ FedEx ☐ Courier ☐

Condition: (lab use only)

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received:

2.7 306

COC Seal Intact: Y N NA

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: 10/21/15

Time: 0900

pH Checked:

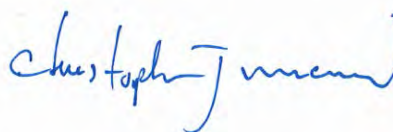
NCF:

<2>12

## ARCADIS US - TX

Sample Delivery Group: L795831  
Samples Received: 10/21/2015  
Project Number: TX000836.0007.15008  
Description: Navajo Refining Company - Artesia, NM  
Site: REST  
Report To: Pam Krueger  
2929 Briarpark Dr., Suite 300  
Houston, TX 77042

Entire Report Reviewed By:



Chris McCord  
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.





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# SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



## MW-90 L795831-01 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 12:05

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823734 | 1        | 10/24/15 02:13        | 10/25/15 01:42     | JM               |
| Metals (ICPMS) by Method 6020                        | WG824700 | 1        | 10/27/15 08:57        | 10/28/15 13:35     | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823976 | 1        | 10/24/15 21:06        | 10/27/15 02:10     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823733 | 1        | 10/27/15 17:31        | 10/27/15 17:31     | BMB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824208 | 1        | 10/24/15 22:11        | 10/24/15 22:11     | DWR              |
| Wet Chemistry by Method 353.2                        | WG825209 | 10       | 10/28/15 18:42        | 10/28/15 18:42     | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG823862 | 1        | 10/24/15 01:15        | 10/24/15 01:15     | CM               |
| Wet Chemistry by Method 9056MOD                      | WG823862 | 100      | 10/24/15 13:34        | 10/24/15 13:34     | CM               |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

## MW-96 L795831-02 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 12:55

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823734 | 1        | 10/24/15 02:13        | 10/25/15 01:42     | JM               |
| Metals (ICPMS) by Method 6020                        | WG824700 | 1        | 10/27/15 08:57        | 10/28/15 13:45     | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823976 | 1        | 10/24/15 21:06        | 10/27/15 07:54     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823735 | 50       | 10/26/15 13:02        | 10/26/15 13:02     | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824208 | 500      | 10/24/15 23:47        | 10/24/15 23:47     | DWR              |
| Wet Chemistry by Method 353.2                        | WG825209 | 10       | 10/28/15 18:43        | 10/28/15 18:43     | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 1        | 10/23/15 20:33        | 10/23/15 20:33     | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 20       | 10/23/15 21:50        | 10/23/15 21:50     | DJD              |

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## MW-94 L795831-03 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 13:50

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823734 | 1        | 10/24/15 02:13        | 10/25/15 01:43     | JM               |
| Metals (ICPMS) by Method 6020                        | WG824700 | 1        | 10/27/15 08:57        | 10/28/15 13:47     | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823976 | 5        | 10/24/15 21:06        | 10/27/15 08:29     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG825038 | 10       | 10/28/15 11:27        | 10/28/15 11:27     | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824208 | 10       | 10/25/15 00:11        | 10/25/15 00:11     | DWR              |
| Wet Chemistry by Method 353.2                        | WG825209 | 10       | 10/28/15 18:44        | 10/28/15 18:44     | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 1        | 10/23/15 20:49        | 10/23/15 20:49     | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 100      | 10/23/15 22:06        | 10/23/15 22:06     | DJD              |

## MW-67 L795831-04 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 14:50

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823734 | 1        | 10/24/15 02:13        | 10/25/15 01:44     | JM               |
| Mercury by Method 7470A                              | WG823720 | 1        | 10/22/15 15:10        | 10/22/15 17:47     | TRB              |
| Metals (ICPMS) by Method 6020                        | WG824700 | 1        | 10/27/15 08:57        | 10/28/15 13:49     | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823976 | 1        | 10/24/15 21:06        | 10/27/15 07:19     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823735 | 1        | 10/26/15 13:47        | 10/26/15 13:47     | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824208 | 20       | 10/25/15 00:35        | 10/25/15 00:35     | DWR              |
| Wet Chemistry by Method 353.2                        | WG825209 | 10       | 10/28/15 18:45        | 10/28/15 18:45     | ASK              |
| Wet Chemistry by Method 9012B                        | WG824888 | 1        | 10/27/15 17:55        | 10/28/15 07:05     | DR               |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 1        | 10/23/15 21:04        | 10/23/15 21:04     | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 20       | 10/23/15 22:21        | 10/23/15 22:21     | DJD              |



## TRIP BLANK-REST-02 L795831-05 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/19/15 00:00Received date/time  
10/21/15 09:00

| Method                                             | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|----------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG825015 | 1        | 10/28/15 10:27           | 10/28/15 10:27        | DWR              |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss

## MW-134 L795831-06 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/19/15 17:50Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823734 | 1        | 10/24/15 02:13           | 10/25/15 01:42        | JM               |
| Metals (ICPMS) by Method 6020                        | WG824700 | 1        | 10/27/15 08:57           | 10/28/15 14:02        | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823976 | 1        | 10/24/15 21:06           | 10/27/15 02:27        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG825038 | 1        | 10/28/15 11:49           | 10/28/15 11:49        | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825015 | 1        | 10/28/15 12:42           | 10/28/15 12:42        | DWR              |
| Wet Chemistry by Method 353.2                        | WG825209 | 10       | 10/28/15 18:46           | 10/28/15 18:46        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 1        | 10/23/15 21:20           | 10/23/15 21:20        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 50       | 10/23/15 22:37           | 10/23/15 22:37        | DJD              |

<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al

## MW-135 L795831-07 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/19/15 15:50Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823734 | 1        | 10/24/15 02:13           | 10/25/15 01:44        | JM               |
| Metals (ICPMS) by Method 6020                        | WG824700 | 1        | 10/27/15 08:57           | 10/28/15 14:04        | JDG              |
| Metals (ICPMS) by Method 6020                        | WG824700 | 2        | 10/27/15 08:57           | 10/28/15 15:01        | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823976 | 1        | 10/24/15 21:06           | 10/27/15 02:44        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824603 | 1        | 10/27/15 12:03           | 10/27/15 12:03        | BMB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825015 | 1        | 10/28/15 13:05           | 10/28/15 13:05        | DWR              |
| Wet Chemistry by Method 353.2                        | WG825209 | 10       | 10/28/15 18:48           | 10/28/15 18:48        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 1        | 10/23/15 21:35           | 10/23/15 21:35        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 50       | 10/23/15 22:52           | 10/23/15 22:52        | DJD              |

<sup>9</sup> Sc

## DUP-REST-03 L795831-08 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/19/15 15:00Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823734 | 1        | 10/24/15 02:13           | 10/25/15 01:42        | JM               |
| Metals (ICPMS) by Method 6020                        | WG824700 | 1        | 10/27/15 08:57           | 10/28/15 14:07        | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823976 | 1        | 10/24/15 21:06           | 10/27/15 03:01        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823735 | 1        | 10/26/15 09:44           | 10/26/15 09:44        | BMB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824208 | 1        | 10/25/15 02:12           | 10/25/15 02:12        | DWR              |
| Wet Chemistry by Method 353.2                        | WG825209 | 10       | 10/28/15 18:49           | 10/28/15 18:49        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 1        | 10/23/15 23:38           | 10/23/15 23:38        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 20       | 10/24/15 01:55           | 10/24/15 01:55        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG824952 | 100      | 10/28/15 10:39           | 10/28/15 10:39        | CM               |

## EB-REST-03 L795831-09 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/19/15 17:15Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823734 | 1        | 10/24/15 02:13           | 10/25/15 01:43        | JM               |
| Metals (ICPMS) by Method 6020                        | WG824700 | 1        | 10/27/15 08:57           | 10/28/15 14:09        | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823976 | 1        | 10/24/15 21:06           | 10/27/15 03:18        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823735 | 1        | 10/26/15 14:52           | 10/26/15 14:52        | DWR              |



## EB-REST-03 L795831-09 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/19/15 17:15Received date/time  
10/21/15 09:00

| Method                                             | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|----------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG824208 | 1        | 10/25/15 02:36           | 10/25/15 02:36        | DWR              |
| Wet Chemistry by Method 353.2                      | WG825209 | 10       | 10/28/15 18:50           | 10/28/15 18:50        | ASK              |
| Wet Chemistry by Method 9056MOD                    | WG823864 | 1        | 10/24/15 00:09           | 10/24/15 00:09        | DJD              |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## KWB-7 L795831-10 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/19/15 11:15Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823736 | 1        | 10/24/15 02:09           | 10/25/15 01:52        | JM               |
| Mercury by Method 7470A                              | WG823720 | 1        | 10/22/15 15:10           | 10/22/15 17:49        | TRB              |
| Metals (ICPMS) by Method 6020                        | WG824700 | 1        | 10/27/15 08:57           | 10/28/15 14:11        | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823976 | 1        | 10/24/15 21:06           | 10/27/15 03:35        | JNS              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825015 | 1        | 10/28/15 13:27           | 10/28/15 13:27        | DWR              |
| Wet Chemistry by Method 353.2                        | WG825209 | 10       | 10/28/15 18:51           | 10/28/15 18:51        | ASK              |
| Wet Chemistry by Method 9012B                        | WG824888 | 1        | 10/27/15 17:55           | 10/28/15 07:06        | DR               |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 1        | 10/24/15 00:40           | 10/24/15 00:40        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 20       | 10/24/15 02:26           | 10/24/15 02:26        | DJD              |

## MW-43 L795831-11 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/19/15 15:35Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823736 | 1        | 10/24/15 02:09           | 10/25/15 01:53        | JM               |
| Mercury by Method 7470A                              | WG823720 | 1        | 10/22/15 15:10           | 10/22/15 17:52        | TRB              |
| Metals (ICPMS) by Method 6020                        | WG824700 | 1        | 10/27/15 08:57           | 10/28/15 14:14        | JDG              |
| Metals (ICPMS) by Method 6020                        | WG824700 | 2        | 10/27/15 08:57           | 10/28/15 15:04        | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823976 | 5        | 10/24/15 21:06           | 10/27/15 08:11        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823735 | 5        | 10/26/15 15:14           | 10/26/15 15:14        | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824208 | 10       | 10/25/15 03:24           | 10/25/15 03:24        | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825015 | 500      | 10/28/15 13:50           | 10/28/15 13:50        | DWR              |
| Wet Chemistry by Method 353.2                        | WG825209 | 10       | 10/28/15 18:52           | 10/28/15 18:52        | ASK              |
| Wet Chemistry by Method 9012B                        | WG824888 | 5        | 10/27/15 17:55           | 10/28/15 07:46        | DR               |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 1        | 10/24/15 00:55           | 10/24/15 00:55        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 100      | 10/24/15 02:41           | 10/24/15 02:41        | DJD              |

## MW-137 L795831-12 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/19/15 09:20Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823736 | 1        | 10/24/15 02:09           | 10/25/15 01:53        | JM               |
| Mercury by Method 7470A                              | WG827547 | 1        | 11/09/15 09:41           | 11/09/15 11:18        | BRJ              |
| Metals (ICPMS) by Method 6020                        | WG824700 | 1        | 10/27/15 08:57           | 10/28/15 14:16        | JDG              |
| Metals (ICPMS) by Method 6020                        | WG824700 | 5        | 10/27/15 08:57           | 10/28/15 14:58        | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823976 | 5        | 10/24/15 21:06           | 10/27/15 08:46        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823735 | 50       | 10/26/15 15:36           | 10/26/15 15:36        | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824208 | 100      | 10/25/15 03:48           | 10/25/15 03:48        | DWR              |
| Wet Chemistry by Method 353.2                        | WG825209 | 10       | 10/28/15 18:59           | 10/28/15 18:59        | ASK              |
| Wet Chemistry by Method 9012B                        | WG824888 | 10       | 10/27/15 17:55           | 10/28/15 07:47        | DR               |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 1        | 10/24/15 01:11           | 10/24/15 01:11        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 100      | 10/24/15 02:56           | 10/24/15 02:56        | DJD              |

# SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



## MW-138 L795831-13 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 10:20

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823736 | 1        | 10/24/15 02:09           | 10/25/15 01:52        | JM               |
| Mercury by Method 7470A                              | WG823720 | 1        | 10/22/15 15:10           | 10/22/15 17:57        | TRB              |
| Metals (ICPMS) by Method 6020                        | WG824700 | 1        | 10/27/15 08:57           | 10/28/15 14:18        | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823976 | 1        | 10/24/15 21:06           | 10/27/15 07:37        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823735 | 50       | 10/26/15 21:29           | 10/26/15 21:29        | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825015 | 20       | 10/28/15 14:13           | 10/28/15 14:13        | DWR              |
| Wet Chemistry by Method 353.2                        | WG825209 | 10       | 10/28/15 19:00           | 10/28/15 19:00        | ASK              |
| Wet Chemistry by Method 9012B                        | WG824893 | 1        | 10/28/15 12:14           | 10/28/15 14:25        | DR               |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 1        | 10/24/15 01:40           | 10/24/15 01:40        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 20       | 10/24/15 03:43           | 10/24/15 03:43        | DJD              |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

## MW-126A L795831-14 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 11:45

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823736 | 1        | 10/24/15 02:09           | 10/25/15 01:52        | JM               |
| Metals (ICPMS) by Method 6020                        | WG824700 | 1        | 10/27/15 08:57           | 10/28/15 14:21        | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823976 | 1        | 10/24/15 21:06           | 10/27/15 03:52        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823735 | 1        | 10/26/15 21:51           | 10/26/15 21:51        | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824208 | 1        | 10/25/15 04:36           | 10/25/15 04:36        | DWR              |
| Wet Chemistry by Method 353.2                        | WG825209 | 10       | 10/28/15 19:01           | 10/28/15 19:01        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 1        | 10/24/15 03:58           | 10/24/15 03:58        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 20       | 10/24/15 05:46           | 10/24/15 05:46        | DJD              |

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## MW-126B L795831-15 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 12:20

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG823736 | 1        | 10/24/15 02:09           | 10/25/15 01:52        | JM               |
| Metals (ICPMS) by Method 6020                        | WG824700 | 1        | 10/27/15 08:57           | 10/28/15 14:23        | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823976 | 1        | 10/24/15 21:06           | 10/27/15 04:10        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823735 | 1        | 10/26/15 22:13           | 10/26/15 22:13        | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824208 | 1        | 10/25/15 05:01           | 10/25/15 05:01        | DWR              |
| Wet Chemistry by Method 353.2                        | WG825209 | 10       | 10/28/15 19:02           | 10/28/15 19:02        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 1        | 10/24/15 04:29           | 10/24/15 04:29        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 20       | 10/24/15 06:17           | 10/24/15 06:17        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG824952 | 100      | 10/28/15 10:54           | 10/28/15 10:54        | CM               |

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 10:55

Received date/time  
10/21/15 09:00

## MW-127 L795831-16 GW

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824140 | 1        | 10/24/15 11:09           | 10/26/15 03:37        | MF               |
| Metals (ICPMS) by Method 6020                        | WG824700 | 1        | 10/27/15 08:57           | 10/28/15 14:32        | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823976 | 1        | 10/24/15 21:06           | 10/27/15 04:27        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823735 | 50       | 10/26/15 22:35           | 10/26/15 22:35        | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825015 | 20       | 10/28/15 14:35           | 10/28/15 14:35        | DWR              |
| Wet Chemistry by Method 353.2                        | WG825209 | 10       | 10/28/15 19:03           | 10/28/15 19:03        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 1        | 10/24/15 05:15           | 10/24/15 05:15        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 20       | 10/24/15 07:03           | 10/24/15 07:03        | DJD              |

# SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



## MW-129 L795831-17 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 09:25

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824140 | 1        | 10/24/15 11:09        | 10/26/15 03:37     | MF               |
| Metals (ICPMS) by Method 6020                        | WG824700 | 1        | 10/27/15 08:57        | 10/28/15 14:34     | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823976 | 1        | 10/24/15 21:06        | 10/27/15 04:44     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823735 | 50       | 10/26/15 22:57        | 10/26/15 22:57     | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824208 | 100      | 10/25/15 05:49        | 10/25/15 05:49     | DWR              |
| Wet Chemistry by Method 353.2                        | WG825209 | 10       | 10/28/15 19:05        | 10/28/15 19:05     | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 1        | 10/24/15 05:31        | 10/24/15 05:31     | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 20       | 10/24/15 07:18        | 10/24/15 07:18     | DJD              |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

## KWB-11A L795831-18 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 12:20

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824140 | 1        | 10/24/15 11:09        | 10/26/15 03:38     | MF               |
| Mercury by Method 7470A                              | WG823720 | 1        | 10/22/15 15:10        | 10/22/15 18:05     | TRB              |
| Metals (ICPMS) by Method 6020                        | WG824700 | 1        | 10/27/15 08:57        | 10/28/15 14:36     | JDG              |
| Metals (ICPMS) by Method 6020                        | WG824700 | 2        | 10/27/15 08:57        | 10/28/15 15:22     | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823976 | 1        | 10/24/15 21:06        | 10/27/15 06:10     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG823735 | 1        | 10/26/15 23:19        | 10/26/15 23:19     | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824208 | 1        | 10/25/15 06:13        | 10/25/15 06:13     | DWR              |
| Wet Chemistry by Method 353.2                        | WG825209 | 10       | 10/28/15 19:06        | 10/28/15 19:06     | ASK              |
| Wet Chemistry by Method 9012B                        | WG824888 | 1        | 10/27/15 17:55        | 10/28/15 07:14     | DR               |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 1        | 10/24/15 08:20        | 10/24/15 08:20     | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 20       | 10/24/15 07:34        | 10/24/15 07:34     | DJD              |

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## KWB-11B L795831-19 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 13:05

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824140 | 1        | 10/24/15 11:09        | 10/26/15 03:38     | MF               |
| Mercury by Method 7470A                              | WG823720 | 1        | 10/22/15 15:10        | 10/22/15 18:07     | TRB              |
| Metals (ICPMS) by Method 6020                        | WG824700 | 1        | 10/27/15 08:57        | 10/28/15 14:39     | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823976 | 1        | 10/24/15 21:06        | 10/27/15 06:28     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG825076 | 1        | 10/28/15 10:36        | 10/28/15 10:36     | BMB              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824208 | 1        | 10/25/15 06:37        | 10/25/15 06:37     | DWR              |
| Wet Chemistry by Method 353.2                        | WG825209 | 10       | 10/28/15 19:07        | 10/28/15 19:07     | ASK              |
| Wet Chemistry by Method 9012B                        | WG824888 | 1        | 10/27/15 17:55        | 10/28/15 07:15     | DR               |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 1        | 10/24/15 08:35        | 10/24/15 08:35     | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 20       | 10/24/15 09:37        | 10/24/15 09:37     | DJD              |

## KWB-1A L795831-20 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/19/15 13:20

Received date/time  
10/21/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824140 | 1        | 10/24/15 11:09        | 10/26/15 03:37     | MF               |
| Mercury by Method 7470A                              | WG823720 | 1        | 10/22/15 15:10        | 10/22/15 18:10     | TRB              |
| Metals (ICPMS) by Method 6020                        | WG824700 | 1        | 10/27/15 08:57        | 10/28/15 15:26     | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG823976 | 1        | 10/24/15 21:06        | 10/27/15 06:45     | JNS              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825015 | 1        | 10/28/15 14:58        | 10/28/15 14:58     | DWR              |
| Wet Chemistry by Method 353.2                        | WG825209 | 10       | 10/28/15 19:08        | 10/28/15 19:08     | ASK              |
| Wet Chemistry by Method 9012B                        | WG824888 | 1        | 10/27/15 17:55        | 10/28/15 07:16     | DR               |
| Wet Chemistry by Method 9056MOD                      | WG823864 | 1        | 10/24/15 08:51        | 10/24/15 08:51     | DJD              |

KWB-1A L795831-20 GW

|                                 |          |          | Collected by<br>Greg Scherbenske | Collected date/time<br>10/19/15 13:20 | Received date/time<br>10/21/15 09:00 |
|---------------------------------|----------|----------|----------------------------------|---------------------------------------|--------------------------------------|
| Method                          | Batch    | Dilution | Preparation<br>date/time         | Analysis<br>date/time                 | Analysis Analyst                     |
| Wet Chemistry by Method 9056MOD | WG823864 | 20       | 10/24/15 09:53                   | 10/24/15 09:53                        | DJD                                  |
| Wet Chemistry by Method 9056MOD | WG824952 | 100      | 10/28/15 11:10                   | 10/28/15 11:10                        | CM                                   |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord  
Technical Service Representative

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc





## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 5130000 |           | 2820 | 10000 | 1        | 10/25/2015 01:42 | <a href="#">WG823734</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 3440   |           | 197  | 1000 | 10       | 10/28/2015 18:42 | <a href="#">WG825209</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 22700   |           | 51.9 | 1000   | 1        | 10/24/2015 01:15 | <a href="#">WG823862</a> |
| Fluoride | 6770    |           | 9.90 | 100    | 1        | 10/24/2015 01:15 | <a href="#">WG823862</a> |
| Sulfate  | 4530000 |           | 7740 | 500000 | 100      | 10/24/2015 13:34 | <a href="#">WG823862</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 8.83   |           | 0.250 | 2.00 | 1        | 10/28/2015 13:35 | <a href="#">WG824700</a> |
| Barium    | 12.6   |           | 0.360 | 5.00 | 1        | 10/28/2015 13:35 | <a href="#">WG824700</a> |
| Calcium   | 481000 |           | 46.0  | 1000 | 1        | 10/28/2015 13:35 | <a href="#">WG824700</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/28/2015 13:35 | <a href="#">WG824700</a> |
| Iron      | 1560   |           | 15.0  | 100  | 1        | 10/28/2015 13:35 | <a href="#">WG824700</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/28/2015 13:35 | <a href="#">WG824700</a> |
| Manganese | 50.4   |           | 0.250 | 5.00 | 1        | 10/28/2015 13:35 | <a href="#">WG824700</a> |
| Potassium | 2070   |           | 37.0  | 1000 | 1        | 10/28/2015 13:35 | <a href="#">WG824700</a> |
| Selenium  | 33.4   |           | 0.380 | 2.00 | 1        | 10/28/2015 13:35 | <a href="#">WG824700</a> |
| Sodium    | 135000 |           | 110   | 1000 | 1        | 10/28/2015 13:35 | <a href="#">WG824700</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 166    |           | 31.4 | 100      | 1        | 10/27/2015 17:31 | <a href="#">WG823733</a> |
| (S) a,a,a-Trifluorotoluene(FID) 99.1 |        |           |      | 62.0-128 |          | 10/27/2015 17:31 | <a href="#">WG823733</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/24/2015 22:11 | <a href="#">WG824208</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/24/2015 22:11 | <a href="#">WG824208</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/24/2015 22:11 | <a href="#">WG824208</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/24/2015 22:11 | <a href="#">WG824208</a> |
| Bromomethane         | U      |           | 0.866 | 5.00 | 1        | 10/24/2015 22:11 | <a href="#">WG824208</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/24/2015 22:11 | <a href="#">WG824208</a> |
| sec-Butylbenzene     | 2.06   |           | 0.365 | 1.00 | 1        | 10/24/2015 22:11 | <a href="#">WG824208</a> |
| Carbon disulfide     | U      | F         | 0.275 | 1.00 | 1        | 10/24/2015 22:11 | <a href="#">WG824208</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/24/2015 22:11 | <a href="#">WG824208</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/24/2015 22:11 | <a href="#">WG824208</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/24/2015 22:11 | <a href="#">WG824208</a> |
| Chloroethane         | U      | *         | 0.453 | 5.00 | 1        | 10/24/2015 22:11 | <a href="#">WG824208</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/24/2015 22:11 | <a href="#">WG824208</a> |
| Chloromethane        | U      | F         | 0.276 | 2.50 | 1        | 10/24/2015 22:11 | <a href="#">WG824208</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/24/2015 22:11 | <a href="#">WG824208</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/24/2015 22:11 | <a href="#">WG824208</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| trans-1,2-Dichloroethene    | U              | E         | 0.396       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| Isopropylbenzene            | 9.50           |           | 0.326       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| p-Isopropyltoluene          | 0.725          | U         | 0.350       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/24/2015 22:11        | WG824208 |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/24/2015 22:11        | WG824208 |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/24/2015 22:11        | WG824208 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/24/2015 22:11        | WG824208 |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/24/2015 22:11        | WG824208 |
| n-Propylbenzene             | 0.834          | U         | 0.349       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/24/2015 22:11        | WG824208 |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| Vinyl chloride              | U              | E         | 0.259       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/24/2015 22:11        | WG824208 |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/24/2015 22:11        | WG824208 |
| (S) Toluene-d8              | 100            |           |             | 90.0-115    |          | 10/24/2015 22:11        | WG824208 |
| (S) Dibromofluoromethane    | 96.6           |           |             | 79.0-121    |          | 10/24/2015 22:11        | WG824208 |
| (S) 4-Bromofluorobenzene    | 105            |           |             | 80.1-120    |          | 10/24/2015 22:11        | WG824208 |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) High Fraction | 992            |           | 24.7        | 100         | 1        | 10/27/2015 02:10        | WG823976 |
| (S) o-Terphenyl            | 74.9           |           |             | 50.0-150    |          | 10/27/2015 02:10        | WG823976 |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 1990000 |           | 2820 | 10000 | 1        | 10/25/2015 01:42 | <a href="#">WG823734</a> |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 202    | J         | 197  | 1000 | 10       | 10/28/2015 18:43 | <a href="#">WG825209</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 190000 |           | 1040 | 20000  | 20       | 10/23/2015 21:50 | <a href="#">WG823864</a> |
| Fluoride | 1230   |           | 9.90 | 100    | 1        | 10/23/2015 20:33 | <a href="#">WG823864</a> |
| Sulfate  | 583000 |           | 1550 | 100000 | 20       | 10/23/2015 21:50 | <a href="#">WG823864</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 3.97   |           | 0.250 | 2.00 | 1        | 10/28/2015 13:45 | <a href="#">WG824700</a> |
| Barium    | 158    |           | 0.360 | 5.00 | 1        | 10/28/2015 13:45 | <a href="#">WG824700</a> |
| Calcium   | 230000 |           | 46.0  | 1000 | 1        | 10/28/2015 13:45 | <a href="#">WG824700</a> |
| Chromium  | 0.655  | J         | 0.540 | 2.00 | 1        | 10/28/2015 13:45 | <a href="#">WG824700</a> |
| Iron      | 132    |           | 15.0  | 100  | 1        | 10/28/2015 13:45 | <a href="#">WG824700</a> |
| Lead      | 0.953  | J         | 0.240 | 2.00 | 1        | 10/28/2015 13:45 | <a href="#">WG824700</a> |
| Manganese | 2.36   | J         | 0.250 | 5.00 | 1        | 10/28/2015 13:45 | <a href="#">WG824700</a> |
| Potassium | 1210   |           | 37.0  | 1000 | 1        | 10/28/2015 13:45 | <a href="#">WG824700</a> |
| Selenium  | 0.640  | J         | 0.380 | 2.00 | 1        | 10/28/2015 13:45 | <a href="#">WG824700</a> |
| Sodium    | 244000 |           | 110   | 1000 | 1        | 10/28/2015 13:45 | <a href="#">WG824700</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 24300  |           | 1570 | 5000     | 50       | 10/26/2015 13:02 | <a href="#">WG823735</a> |
| (S) a,a,q-Trifluorotoluene(FID) 97.9 |        |           |      | 62.0-128 |          | 10/26/2015 13:02 | <a href="#">WG823735</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|------|-------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l | ug/l  |          | date / time      |                          |
| Acetone              | U      |           | 5000 | 25000 | 500      | 10/24/2015 23:47 | <a href="#">WG824208</a> |
| Benzene              | U      |           | 166  | 500   | 500      | 10/24/2015 23:47 | <a href="#">WG824208</a> |
| Bromodichloromethane | U      |           | 190  | 500   | 500      | 10/24/2015 23:47 | <a href="#">WG824208</a> |
| Bromoform            | U      |           | 234  | 500   | 500      | 10/24/2015 23:47 | <a href="#">WG824208</a> |
| Bromomethane         | U      |           | 433  | 2500  | 500      | 10/24/2015 23:47 | <a href="#">WG824208</a> |
| n-Butylbenzene       | U      |           | 180  | 500   | 500      | 10/24/2015 23:47 | <a href="#">WG824208</a> |
| sec-Butylbenzene     | U      |           | 182  | 500   | 500      | 10/24/2015 23:47 | <a href="#">WG824208</a> |
| Carbon disulfide     | U      |           | 138  | 500   | 500      | 10/24/2015 23:47 | <a href="#">WG824208</a> |
| Carbon tetrachloride | U      |           | 190  | 500   | 500      | 10/24/2015 23:47 | <a href="#">WG824208</a> |
| Chlorobenzene        | U      |           | 174  | 500   | 500      | 10/24/2015 23:47 | <a href="#">WG824208</a> |
| Chlorodibromomethane | U      |           | 164  | 500   | 500      | 10/24/2015 23:47 | <a href="#">WG824208</a> |
| Chloroethane         | U      | *         | 226  | 2500  | 500      | 10/24/2015 23:47 | <a href="#">WG824208</a> |
| Chloroform           | U      | -         | 162  | 2500  | 500      | 10/24/2015 23:47 | <a href="#">WG824208</a> |
| Chloromethane        | U      |           | 138  | 1250  | 500      | 10/24/2015 23:47 | <a href="#">WG824208</a> |
| 1,2-Dibromoethane    | U      |           | 190  | 500   | 500      | 10/24/2015 23:47 | <a href="#">WG824208</a> |
| 1,1-Dichloroethane   | U      |           | 130  | 500   | 500      | 10/24/2015 23:47 | <a href="#">WG824208</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 180         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| 1,1-Dichloroethene          | U              |           | 199         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| cis-1,2-Dichloroethene      | U              |           | 130         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| trans-1,2-Dichloroethene    | U              |           | 198         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| 1,2-Dichloropropane         | U              |           | 153         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| cis-1,3-Dichloropropene     | U              |           | 209         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| trans-1,3-Dichloropropene   | U              |           | 210         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| Ethylbenzene                | U              |           | 192         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| Isopropylbenzene            | U              |           | 163         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| p-Isopropyltoluene          | U              |           | 175         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| 2-Butanone (MEK)            | U              |           | 1960        | 5000        | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| 2-Hexanone                  | U              |           | 1910        | 5000        | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| Methylene Chloride          | U              |           | 500         | 2500        | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 1070        | 5000        | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| Methyl tert-butyl ether     | 39200          |           | 184         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| Naphthalene                 | U              |           | 500         | 2500        | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| n-Propylbenzene             | U              |           | 174         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| Styrene                     | U              |           | 154         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 192         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 65.0        | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| Tetrachloroethene           | U              |           | 186         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| Toluene                     | U              |           | 390         | 2500        | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| 1,1,1-Trichloroethane       | U              |           | 160         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| 1,1,2-Trichloroethane       | U              |           | 192         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| Trichloroethene             | U              |           | 199         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 186         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 194         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| Vinyl chloride              | U              |           | 130         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| o-Xylene                    | U              |           | 170         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| m&p-Xylene                  | U              |           | 360         | 500         | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| Xylenes, Total              | U              |           | 530         | 1500        | 500      | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| (S) Toluene-d8              | 103            |           |             | 90.0-115    |          | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| (S) Dibromofluoromethane    | 94.9           |           |             | 79.0-121    |          | 10/24/2015 23:47        | <a href="#">WG824208</a> |
| (S) 4-Bromofluorobenzene    | 105            |           |             | 80.1-120    |          | 10/24/2015 23:47        | <a href="#">WG824208</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 9230           |           | 24.7        | 100         | 1        | 10/27/2015 07:54        | <a href="#">WG823976</a> |
| (S) o-Terphenyl            | 102            |           |             | 50.0-150    |          | 10/27/2015 07:54        | <a href="#">WG823976</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 2530000 |           | 2820 | 10000 | 1        | 10/25/2015 01:43 | <a href="#">WG823734</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 10/28/2015 18:44 | <a href="#">WG825209</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 245000 |           | 5190 | 100000 | 100      | 10/23/2015 22:06 | <a href="#">WG823864</a> |
| Fluoride | 1010   |           | 9.90 | 100    | 1        | 10/23/2015 20:49 | <a href="#">WG823864</a> |
| Sulfate  | 75800  |           | 77.4 | 5000   | 1        | 10/23/2015 20:49 | <a href="#">WG823864</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 21.5   |           | 0.250 | 2.00 | 1        | 10/28/2015 13:47 | <a href="#">WG824700</a> |
| Barium    | 1570   |           | 0.360 | 5.00 | 1        | 10/28/2015 13:47 | <a href="#">WG824700</a> |
| Calcium   | 109000 |           | 46.0  | 1000 | 1        | 10/28/2015 13:47 | <a href="#">WG824700</a> |
| Chromium  | 1.44   | J         | 0.540 | 2.00 | 1        | 10/28/2015 13:47 | <a href="#">WG824700</a> |
| Iron      | U      |           | 15.0  | 100  | 1        | 10/28/2015 13:47 | <a href="#">WG824700</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/28/2015 13:47 | <a href="#">WG824700</a> |
| Manganese | 1.94   | J         | 0.250 | 5.00 | 1        | 10/28/2015 13:47 | <a href="#">WG824700</a> |
| Potassium | 224    | J         | 37.0  | 1000 | 1        | 10/28/2015 13:47 | <a href="#">WG824700</a> |
| Selenium  | 0.935  | J         | 0.380 | 2.00 | 1        | 10/28/2015 13:47 | <a href="#">WG824700</a> |
| Sodium    | 355000 |           | 110   | 1000 | 1        | 10/28/2015 13:47 | <a href="#">WG824700</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 6120   |           | 314  | 1000     | 10       | 10/28/2015 11:27 | <a href="#">WG825038</a> |
| (S) a,a,a-Trifluorotoluene(FID) 99.1 |        |           |      | 62.0-128 |          | 10/28/2015 11:27 | <a href="#">WG825038</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 100  | 500  | 10       | 10/25/2015 00:11 | <a href="#">WG824208</a> |
| Benzene              | 339    |           | 3.31 | 10.0 | 10       | 10/25/2015 00:11 | <a href="#">WG824208</a> |
| Bromodichloromethane | U      |           | 3.80 | 10.0 | 10       | 10/25/2015 00:11 | <a href="#">WG824208</a> |
| Bromoform            | U      |           | 4.69 | 10.0 | 10       | 10/25/2015 00:11 | <a href="#">WG824208</a> |
| Bromomethane         | U      |           | 8.66 | 50.0 | 10       | 10/25/2015 00:11 | <a href="#">WG824208</a> |
| n-Butylbenzene       | 21.9   |           | 3.61 | 10.0 | 10       | 10/25/2015 00:11 | <a href="#">WG824208</a> |
| sec-Butylbenzene     | 28.3   |           | 3.65 | 10.0 | 10       | 10/25/2015 00:11 | <a href="#">WG824208</a> |
| Carbon disulfide     | 4.45   | J         | 2.75 | 10.0 | 10       | 10/25/2015 00:11 | <a href="#">WG824208</a> |
| Carbon tetrachloride | U      |           | 3.79 | 10.0 | 10       | 10/25/2015 00:11 | <a href="#">WG824208</a> |
| Chlorobenzene        | U      |           | 3.48 | 10.0 | 10       | 10/25/2015 00:11 | <a href="#">WG824208</a> |
| Chlorodibromomethane | U      |           | 3.27 | 10.0 | 10       | 10/25/2015 00:11 | <a href="#">WG824208</a> |
| Chloroethane         | U      | *         | 4.53 | 50.0 | 10       | 10/25/2015 00:11 | <a href="#">WG824208</a> |
| Chloroform           | U      |           | 3.24 | 50.0 | 10       | 10/25/2015 00:11 | <a href="#">WG824208</a> |
| Chloromethane        | U      |           | 2.76 | 25.0 | 10       | 10/25/2015 00:11 | <a href="#">WG824208</a> |
| 1,2-Dibromoethane    | U      |           | 3.81 | 10.0 | 10       | 10/25/2015 00:11 | <a href="#">WG824208</a> |
| 1,1-Dichloroethane   | U      |           | 2.59 | 10.0 | 10       | 10/25/2015 00:11 | <a href="#">WG824208</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 3.61        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| 1,1-Dichloroethene          | U              |           | 3.98        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| cis-1,2-Dichloroethene      | U              |           | 2.60        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| trans-1,2-Dichloroethene    | U              |           | 3.96        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| 1,2-Dichloropropane         | U              |           | 3.06        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| cis-1,3-Dichloropropene     | U              |           | 4.18        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| trans-1,3-Dichloropropene   | U              |           | 4.19        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| Ethylbenzene                | 509            |           | 3.84        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| Isopropylbenzene            | 64.6           |           | 3.26        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| p-Isopropyltoluene          | 30.1           |           | 3.50        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| 2-Butanone (MEK)            | U              |           | 39.3        | 100         | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| 2-Hexanone                  | U              |           | 38.2        | 100         | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| Methylene Chloride          | U              |           | 10.0        | 50.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 21.4        | 100         | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| Methyl tert-butyl ether     | 798            |           | 3.67        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| Naphthalene                 | 202            |           | 10.0        | 50.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| n-Propylbenzene             | 92.3           |           | 3.49        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| Styrene                     | U              |           | 3.07        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 3.85        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 1.30        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| Tetrachloroethene           | U              |           | 3.72        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| Toluene                     | 553            |           | 7.80        | 50.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| 1,1,1-Trichloroethane       | U              |           | 3.19        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| 1,1,2-Trichloroethane       | U              |           | 3.83        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| Trichloroethene             | U              |           | 3.98        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| 1,2,4-Trimethylbenzene      | 432            |           | 3.73        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| 1,3,5-Trimethylbenzene      | 85.7           |           | 3.87        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| Vinyl chloride              | U              |           | 2.59        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| o-Xylene                    | 360            |           | 3.41        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| m&p-Xylene                  | 214            |           | 7.19        | 10.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| Xylenes, Total              | 574            |           | 10.6        | 30.0        | 10       | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| (S) Toluene-d8              | 103            |           |             | 90.0-115    |          | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| (S) Dibromofluoromethane    | 96.0           |           |             | 79.0-121    |          | 10/25/2015 00:11        | <a href="#">WG824208</a> |
| (S) 4-Bromofluorobenzene    | 98.9           |           |             | 80.1-120    |          | 10/25/2015 00:11        | <a href="#">WG824208</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 25600          |           | 124         | 500         | 5        | 10/27/2015 08:29        | <a href="#">WG823976</a> |
| (S) o-Terphenyl            | 69.0           |           |             | 50.0-150    |          | 10/27/2015 08:29        | <a href="#">WG823976</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 1450000 |           | 2820 | 10000 | 1        | 10/25/2015 01:44 | <a href="#">WG823734</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 10/28/2015 18:45 | <a href="#">WG825209</a> |

## Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|------|------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Cyanide | U      |           | 1.80 | 5.00 | 1        | 10/28/2015 07:05 | <a href="#">WG824888</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 225000 |           | 1040 | 20000  | 20       | 10/23/2015 22:21 | <a href="#">WG823864</a> |
| Fluoride | 589    |           | 9.90 | 100    | 1        | 10/23/2015 21:04 | <a href="#">WG823864</a> |
| Sulfate  | 311000 |           | 1550 | 100000 | 20       | 10/23/2015 22:21 | <a href="#">WG823864</a> |

## Mercury by Method 7470A

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|--------|-------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l   | ug/l  |          | date / time      |                          |
| Mercury | U      |           | 0.0490 | 0.200 | 1        | 10/22/2015 17:47 | <a href="#">WG823720</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 6.30   |           | 0.250 | 2.00 | 1        | 10/28/2015 13:49 | <a href="#">WG824700</a> |
| Barium    | 129    |           | 0.360 | 5.00 | 1        | 10/28/2015 13:49 | <a href="#">WG824700</a> |
| Calcium   | 192000 |           | 46.0  | 1000 | 1        | 10/28/2015 13:49 | <a href="#">WG824700</a> |
| Chromium  | 0.623  | J         | 0.540 | 2.00 | 1        | 10/28/2015 13:49 | <a href="#">WG824700</a> |
| Iron      | U      |           | 15.0  | 100  | 1        | 10/28/2015 13:49 | <a href="#">WG824700</a> |
| Lead      | 1.00   | J         | 0.240 | 2.00 | 1        | 10/28/2015 13:49 | <a href="#">WG824700</a> |
| Manganese | 78.5   |           | 0.250 | 5.00 | 1        | 10/28/2015 13:49 | <a href="#">WG824700</a> |
| Nickel    | 0.885  | J         | 0.350 | 2.00 | 1        | 10/28/2015 13:49 | <a href="#">WG824700</a> |
| Potassium | 533    | J         | 37.0  | 1000 | 1        | 10/28/2015 13:49 | <a href="#">WG824700</a> |
| Selenium  | 0.445  | J         | 0.380 | 2.00 | 1        | 10/28/2015 13:49 | <a href="#">WG824700</a> |
| Sodium    | 177000 |           | 110   | 1000 | 1        | 10/28/2015 13:49 | <a href="#">WG824700</a> |
| Vanadium  | 1.64   | J         | 0.180 | 5.00 | 1        | 10/28/2015 13:49 | <a href="#">WG824700</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 2160   |           | 31.4 | 100      | 1        | 10/26/2015 13:47 | <a href="#">WG823735</a> |
| (S) a,a,a-Trifluorotoluene(FID) 95.5 |        |           |      | 62.0-128 |          | 10/26/2015 13:47 | <a href="#">WG823735</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 200  | 1000 | 20       | 10/25/2015 00:35 | <a href="#">WG824208</a> |
| Benzene              | 172    |           | 6.62 | 20.0 | 20       | 10/25/2015 00:35 | <a href="#">WG824208</a> |
| Bromodichloromethane | U      |           | 7.60 | 20.0 | 20       | 10/25/2015 00:35 | <a href="#">WG824208</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| Bromoform                   | U              |           | 9.38        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| Bromomethane                | U              |           | 17.3        | 100         | 20       | 10/25/2015 00:35        | WG824208 |
| n-Butylbenzene              | U              |           | 7.22        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| sec-Butylbenzene            | U              |           | 7.30        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| Carbon disulfide            | U              |           | 5.50        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| Carbon tetrachloride        | U              |           | 7.58        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| Chlorobenzene               | U              |           | 6.96        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| Chlorodibromomethane        | U              |           | 6.54        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| Chloroethane                | U              | *         | 9.06        | 100         | 20       | 10/25/2015 00:35        | WG824208 |
| Chloroform                  | U              |           | 6.48        | 100         | 20       | 10/25/2015 00:35        | WG824208 |
| Chloromethane               | U              |           | 5.52        | 50.0        | 20       | 10/25/2015 00:35        | WG824208 |
| 1,2-Dibromoethane           | U              |           | 7.62        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| 1,1-Dichloroethane          | U              |           | 5.18        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| 1,2-Dichloroethane          | U              |           | 7.22        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| 1,1-Dichloroethene          | U              |           | 7.96        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| cis-1,2-Dichloroethene      | U              |           | 5.20        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| trans-1,2-Dichloroethene    | U              |           | 7.92        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| 1,2-Dichloropropane         | U              |           | 6.12        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| cis-1,3-Dichloropropene     | U              |           | 8.36        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| trans-1,3-Dichloropropene   | U              |           | 8.38        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| Ethylbenzene                | U              |           | 7.68        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| Isopropylbenzene            | 30.1           |           | 6.52        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| p-Isopropyltoluene          | U              |           | 7.00        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| 2-Butanone (MEK)            | U              |           | 78.6        | 200         | 20       | 10/25/2015 00:35        | WG824208 |
| 2-Hexanone                  | U              |           | 76.4        | 200         | 20       | 10/25/2015 00:35        | WG824208 |
| Methylene Chloride          | U              |           | 20.0        | 100         | 20       | 10/25/2015 00:35        | WG824208 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 42.8        | 200         | 20       | 10/25/2015 00:35        | WG824208 |
| Methyl tert-butyl ether     | 924            |           | 7.34        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| Naphthalene                 | U              |           | 20.0        | 100         | 20       | 10/25/2015 00:35        | WG824208 |
| n-Propylbenzene             | U              |           | 6.98        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| Styrene                     | U              |           | 6.14        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 7.70        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 2.60        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| Tetrachloroethene           | U              |           | 7.44        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| Toluene                     | U              |           | 15.6        | 100         | 20       | 10/25/2015 00:35        | WG824208 |
| 1,1,1-Trichloroethane       | U              |           | 6.38        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| 1,1,2-Trichloroethane       | U              |           | 7.66        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| Trichloroethene             | U              |           | 7.96        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| 1,2,4-Trimethylbenzene      | U              |           | 7.46        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| 1,3,5-Trimethylbenzene      | U              |           | 7.74        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| Vinyl chloride              | U              |           | 5.18        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| o-Xylene                    | U              |           | 6.82        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| m&p-Xylene                  | U              |           | 14.4        | 20.0        | 20       | 10/25/2015 00:35        | WG824208 |
| Xylenes, Total              | U              |           | 21.2        | 60.0        | 20       | 10/25/2015 00:35        | WG824208 |
| (S) Toluene-d8              | 102            |           |             | 90.0-115    |          | 10/25/2015 00:35        | WG824208 |
| (S) Dibromofluoromethane    | 100            |           |             | 79.0-121    |          | 10/25/2015 00:35        | WG824208 |
| (S) 4-Bromofluorobenzene    | 100            |           |             | 80.1-120    |          | 10/25/2015 00:35        | WG824208 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) High Fraction | 5180           |           | 24.7        | 100         | 1        | 10/27/2015 07:19        | WG823976 |
| (S) o-Terphenyl            | 76.0           |           |             | 50.0-150    |          | 10/27/2015 07:19        | WG823976 |





## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result | Qualifier | MDL   | RDL      | Dilution | Analysis         | Batch    |
|-----------------------------|--------|-----------|-------|----------|----------|------------------|----------|
|                             | ug/l   |           | ug/l  | ug/l     |          | date / time      |          |
| Acetone                     | U      |           | 10.0  | 50.0     | 1        | 10/28/2015 10:27 | WG825015 |
| Benzene                     | U      |           | 0.331 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| Bromodichloromethane        | U      |           | 0.380 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| Bromoform                   | U      |           | 0.469 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| Bromomethane                | U      |           | 0.866 | 5.00     | 1        | 10/28/2015 10:27 | WG825015 |
| n-Butylbenzene              | U      |           | 0.361 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| sec-Butylbenzene            | U      |           | 0.365 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| Carbon disulfide            | U      |           | 0.275 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| Carbon tetrachloride        | U      |           | 0.379 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| Chlorobenzene               | U      |           | 0.348 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| Chlorodibromomethane        | U      |           | 0.327 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| Chloroethane                | U      |           | 0.453 | 5.00     | 1        | 10/28/2015 10:27 | WG825015 |
| Chloroform                  | U      |           | 0.324 | 5.00     | 1        | 10/28/2015 10:27 | WG825015 |
| Chloromethane               | U      |           | 0.276 | 2.50     | 1        | 10/28/2015 10:27 | WG825015 |
| 1,2-Dibromoethane           | U      |           | 0.381 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| 1,1-Dichloroethane          | U      |           | 0.259 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| 1,2-Dichloroethane          | U      |           | 0.361 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| 1,1-Dichloroethene          | U      |           | 0.398 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| cis-1,2-Dichloroethene      | U      |           | 0.260 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| trans-1,2-Dichloroethene    | U      |           | 0.396 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| 1,2-Dichloropropane         | U      |           | 0.306 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| cis-1,3-Dichloropropene     | U      |           | 0.418 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| trans-1,3-Dichloropropene   | U      |           | 0.419 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| Ethylbenzene                | U      |           | 0.384 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| Isopropylbenzene            | U      |           | 0.326 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| p-Isopropyltoluene          | U      |           | 0.350 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| 2-Butanone (MEK)            | U      |           | 3.93  | 10.0     | 1        | 10/28/2015 10:27 | WG825015 |
| 2-Hexanone                  | U      |           | 3.82  | 10.0     | 1        | 10/28/2015 10:27 | WG825015 |
| Methylene Chloride          | U      |           | 1.00  | 5.00     | 1        | 10/28/2015 10:27 | WG825015 |
| 4-Methyl-2-pentanone (MIBK) | U      |           | 2.14  | 10.0     | 1        | 10/28/2015 10:27 | WG825015 |
| Methyl tert-butyl ether     | U      |           | 0.367 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| Naphthalene                 | U      |           | 1.00  | 5.00     | 1        | 10/28/2015 10:27 | WG825015 |
| n-Propylbenzene             | U      |           | 0.349 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| Styrene                     | U      |           | 0.307 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| 1,1,1,2-Tetrachloroethane   | U      |           | 0.385 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| 1,1,2,2-Tetrachloroethane   | U      |           | 0.130 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| Tetrachloroethene           | U      |           | 0.372 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| Toluene                     | U      |           | 0.780 | 5.00     | 1        | 10/28/2015 10:27 | WG825015 |
| 1,1,1-Trichloroethane       | U      |           | 0.319 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| 1,1,2-Trichloroethane       | U      |           | 0.383 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| Trichloroethene             | U      |           | 0.398 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| 1,2,4-Trimethylbenzene      | U      |           | 0.373 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| 1,3,5-Trimethylbenzene      | U      |           | 0.387 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| Vinyl chloride              | U      |           | 0.259 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| o-Xylene                    | U      |           | 0.341 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| m&p-Xylene                  | U      |           | 0.719 | 1.00     | 1        | 10/28/2015 10:27 | WG825015 |
| Xylenes, Total              | U      |           | 1.06  | 3.00     | 1        | 10/28/2015 10:27 | WG825015 |
| (S) Toluene-d8              | 106    |           |       | 90.0-115 |          | 10/28/2015 10:27 | WG825015 |
| (S) Dibromofluoromethane    | 102    |           |       | 79.0-121 |          | 10/28/2015 10:27 | WG825015 |
| (S) 4-Bromofluorobenzene    | 103    |           |       | 80.1-120 |          | 10/28/2015 10:27 | WG825015 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 5040000 |           | 2820 | 10000 | 1        | 10/25/2015 01:42 | <a href="#">WG823734</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 3330   |           | 197  | 1000 | 10       | 10/28/2015 18:46 | <a href="#">WG825209</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 521000  |           | 2600 | 50000  | 50       | 10/23/2015 22:37 | <a href="#">WG823864</a> |
| Fluoride | 1310    |           | 9.90 | 100    | 1        | 10/23/2015 21:20 | <a href="#">WG823864</a> |
| Sulfate  | 2980000 |           | 3870 | 250000 | 50       | 10/23/2015 22:37 | <a href="#">WG823864</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 6.21   |           | 0.250 | 2.00 | 1        | 10/28/2015 14:02 | <a href="#">WG824700</a> |
| Barium    | 10.1   |           | 0.360 | 5.00 | 1        | 10/28/2015 14:02 | <a href="#">WG824700</a> |
| Calcium   | 532000 |           | 46.0  | 1000 | 1        | 10/28/2015 14:02 | <a href="#">WG824700</a> |
| Chromium  | 0.869  | J         | 0.540 | 2.00 | 1        | 10/28/2015 14:02 | <a href="#">WG824700</a> |
| Iron      | U      |           | 15.0  | 100  | 1        | 10/28/2015 14:02 | <a href="#">WG824700</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/28/2015 14:02 | <a href="#">WG824700</a> |
| Manganese | 6.50   |           | 0.250 | 5.00 | 1        | 10/28/2015 14:02 | <a href="#">WG824700</a> |
| Potassium | 1600   |           | 37.0  | 1000 | 1        | 10/28/2015 14:02 | <a href="#">WG824700</a> |
| Selenium  | 7.56   |           | 0.380 | 2.00 | 1        | 10/28/2015 14:02 | <a href="#">WG824700</a> |
| Sodium    | 302000 |           | 110   | 1000 | 1        | 10/28/2015 14:02 | <a href="#">WG824700</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/28/2015 11:49 | <a href="#">WG825038</a> |
| (S) a,a,a-Trifluorotoluene(FID) 97.4 |        |           |      | 62.0-128 |          | 10/28/2015 11:49 | <a href="#">WG825038</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/28/2015 12:42 | <a href="#">WG825015</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/28/2015 12:42 | <a href="#">WG825015</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/28/2015 12:42 | <a href="#">WG825015</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/28/2015 12:42 | <a href="#">WG825015</a> |
| Bromomethane         | U      |           | 0.866 | 5.00 | 1        | 10/28/2015 12:42 | <a href="#">WG825015</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/28/2015 12:42 | <a href="#">WG825015</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/28/2015 12:42 | <a href="#">WG825015</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/28/2015 12:42 | <a href="#">WG825015</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/28/2015 12:42 | <a href="#">WG825015</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/28/2015 12:42 | <a href="#">WG825015</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/28/2015 12:42 | <a href="#">WG825015</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/28/2015 12:42 | <a href="#">WG825015</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/28/2015 12:42 | <a href="#">WG825015</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/28/2015 12:42 | <a href="#">WG825015</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/28/2015 12:42 | <a href="#">WG825015</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/28/2015 12:42 | <a href="#">WG825015</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| (S) Toluene-d8              | 106            |           |             | 90.0-115    |          | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| (S) Dibromofluoromethane    | 101            |           |             | 79.0-121    |          | 10/28/2015 12:42        | <a href="#">WG825015</a> |
| (S) 4-Bromofluorobenzene    | 100            |           |             | 80.1-120    |          | 10/28/2015 12:42        | <a href="#">WG825015</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 50.3           | J         | 24.7        | 100         | 1        | 10/27/2015 02:27        | <a href="#">WG823976</a> |
| (S) o-Terphenyl            | 70.4           |           |             | 50.0-150    |          | 10/27/2015 02:27        | <a href="#">WG823976</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 5800000 |           | 2820 | 10000 | 1        | 10/25/2015 01:44 | <a href="#">WG823734</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 76900  |           | 197  | 1000 | 10       | 10/28/2015 18:48 | <a href="#">WG825209</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 1380000 |           | 2600 | 50000  | 50       | 10/23/2015 22:52 | <a href="#">WG823864</a> |
| Fluoride | 1170    |           | 9.90 | 100    | 1        | 10/23/2015 21:35 | <a href="#">WG823864</a> |
| Sulfate  | 2460000 |           | 3870 | 250000 | 50       | 10/23/2015 22:52 | <a href="#">WG823864</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 4.42   |           | 0.250 | 2.00 | 1        | 10/28/2015 14:04 | <a href="#">WG824700</a> |
| Barium    | 58.0   |           | 0.360 | 5.00 | 1        | 10/28/2015 14:04 | <a href="#">WG824700</a> |
| Calcium   | 677000 |           | 92.0  | 2000 | 2        | 10/28/2015 15:01 | <a href="#">WG824700</a> |
| Chromium  | 3.19   |           | 0.540 | 2.00 | 1        | 10/28/2015 14:04 | <a href="#">WG824700</a> |
| Iron      | 1520   |           | 15.0  | 100  | 1        | 10/28/2015 14:04 | <a href="#">WG824700</a> |
| Lead      | 1.44   | J         | 0.240 | 2.00 | 1        | 10/28/2015 14:04 | <a href="#">WG824700</a> |
| Manganese | 43.8   |           | 0.250 | 5.00 | 1        | 10/28/2015 14:04 | <a href="#">WG824700</a> |
| Potassium | 1320   |           | 37.0  | 1000 | 1        | 10/28/2015 14:04 | <a href="#">WG824700</a> |
| Selenium  | 39.9   |           | 0.380 | 2.00 | 1        | 10/28/2015 14:04 | <a href="#">WG824700</a> |
| Sodium    | 544000 |           | 110   | 1000 | 1        | 10/28/2015 14:04 | <a href="#">WG824700</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/27/2015 12:03 | <a href="#">WG824603</a> |
| (S) a,a,a-Trifluorotoluene(FID) 90.7 |        |           |      | 62.0-128 |          | 10/27/2015 12:03 | <a href="#">WG824603</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/28/2015 13:05 | <a href="#">WG825015</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/28/2015 13:05 | <a href="#">WG825015</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/28/2015 13:05 | <a href="#">WG825015</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/28/2015 13:05 | <a href="#">WG825015</a> |
| Bromomethane         | U      |           | 0.866 | 5.00 | 1        | 10/28/2015 13:05 | <a href="#">WG825015</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/28/2015 13:05 | <a href="#">WG825015</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/28/2015 13:05 | <a href="#">WG825015</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/28/2015 13:05 | <a href="#">WG825015</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/28/2015 13:05 | <a href="#">WG825015</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/28/2015 13:05 | <a href="#">WG825015</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/28/2015 13:05 | <a href="#">WG825015</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/28/2015 13:05 | <a href="#">WG825015</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/28/2015 13:05 | <a href="#">WG825015</a> |
| Chloromethane        | 0.328  | J         | 0.276 | 2.50 | 1        | 10/28/2015 13:05 | <a href="#">WG825015</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/28/2015 13:05 | <a href="#">WG825015</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/28/2015 13:05 | <a href="#">WG825015</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| Methyl tert-butyl ether     | 0.608          | J         | 0.367       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| (S) Toluene-d8              | 106            |           |             | 90.0-115    |          | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| (S) Dibromofluoromethane    | 101            |           |             | 79.0-121    |          | 10/28/2015 13:05        | <a href="#">WG825015</a> |
| (S) 4-Bromofluorobenzene    | 102            |           |             | 80.1-120    |          | 10/28/2015 13:05        | <a href="#">WG825015</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 57.1           | J         | 24.7        | 100         | 1        | 10/27/2015 02:44        | <a href="#">WG823976</a> |
| (S) o-Terphenyl            | 78.6           |           |             | 50.0-150    |          | 10/27/2015 02:44        | <a href="#">WG823976</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 4690000 |           | 2820 | 10000 | 1        | 10/25/2015 01:42 | <a href="#">WG823734</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 2980   |           | 197  | 1000 | 10       | 10/28/2015 18:49 | <a href="#">WG825209</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 516000  |           | 1040 | 20000  | 20       | 10/24/2015 01:55 | <a href="#">WG823864</a> |
| Fluoride | 1320    |           | 9.90 | 100    | 1        | 10/23/2015 23:38 | <a href="#">WG823864</a> |
| Sulfate  | 3030000 |           | 7740 | 500000 | 100      | 10/28/2015 10:39 | <a href="#">WG824952</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 6.30   |           | 0.250 | 2.00 | 1        | 10/28/2015 14:07 | <a href="#">WG824700</a> |
| Barium    | 9.64   |           | 0.360 | 5.00 | 1        | 10/28/2015 14:07 | <a href="#">WG824700</a> |
| Calcium   | 529000 |           | 46.0  | 1000 | 1        | 10/28/2015 14:07 | <a href="#">WG824700</a> |
| Chromium  | 0.709  | J         | 0.540 | 2.00 | 1        | 10/28/2015 14:07 | <a href="#">WG824700</a> |
| Iron      | U      |           | 15.0  | 100  | 1        | 10/28/2015 14:07 | <a href="#">WG824700</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/28/2015 14:07 | <a href="#">WG824700</a> |
| Manganese | 5.94   |           | 0.250 | 5.00 | 1        | 10/28/2015 14:07 | <a href="#">WG824700</a> |
| Potassium | 1580   |           | 37.0  | 1000 | 1        | 10/28/2015 14:07 | <a href="#">WG824700</a> |
| Selenium  | 8.07   |           | 0.380 | 2.00 | 1        | 10/28/2015 14:07 | <a href="#">WG824700</a> |
| Sodium    | 301000 |           | 110   | 1000 | 1        | 10/28/2015 14:07 | <a href="#">WG824700</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/26/2015 09:44 | <a href="#">WG823735</a> |
| (S) a,a,a-Trifluorotoluene(FID) 97.1 |        |           |      | 62.0-128 |          | 10/26/2015 09:44 | <a href="#">WG823735</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/25/2015 02:12 | <a href="#">WG824208</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/25/2015 02:12 | <a href="#">WG824208</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/25/2015 02:12 | <a href="#">WG824208</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/25/2015 02:12 | <a href="#">WG824208</a> |
| Bromomethane         | U      |           | 0.866 | 5.00 | 1        | 10/25/2015 02:12 | <a href="#">WG824208</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/25/2015 02:12 | <a href="#">WG824208</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/25/2015 02:12 | <a href="#">WG824208</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/25/2015 02:12 | <a href="#">WG824208</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/25/2015 02:12 | <a href="#">WG824208</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/25/2015 02:12 | <a href="#">WG824208</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/25/2015 02:12 | <a href="#">WG824208</a> |
| Chloroethane         | U      | *         | 0.453 | 5.00 | 1        | 10/25/2015 02:12 | <a href="#">WG824208</a> |
| Chloroform           | U      | -         | 0.324 | 5.00 | 1        | 10/25/2015 02:12 | <a href="#">WG824208</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/25/2015 02:12 | <a href="#">WG824208</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/25/2015 02:12 | <a href="#">WG824208</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/25/2015 02:12 | <a href="#">WG824208</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| (S) Toluene-d8              | 98.4           |           |             | 90.0-115    |          | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| (S) Dibromofluoromethane    | 97.2           |           |             | 79.0-121    |          | 10/25/2015 02:12        | <a href="#">WG824208</a> |
| (S) 4-Bromofluorobenzene    | 103            |           |             | 80.1-120    |          | 10/25/2015 02:12        | <a href="#">WG824208</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 45.7           | J         | 24.7        | 100         | 1        | 10/27/2015 03:01        | <a href="#">WG823976</a> |
| (S) o-Terphenyl            | 76.7           |           |             | 50.0-150    |          | 10/27/2015 03:01        | <a href="#">WG823976</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|--------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l   |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 30000  |           | 2820 | 10000 | 1        | 10/25/2015 01:43 | <a href="#">WG823734</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 212    | J         | 197  | 1000 | 10       | 10/28/2015 18:50 | <a href="#">WG825209</a> |

6 Qc

7 Gl

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Chloride | 333    | * J       | 51.9 | 1000 | 1        | 10/24/2015 00:09 | <a href="#">WG823864</a> |
| Fluoride | U      |           | 9.90 | 100  | 1        | 10/24/2015 00:09 | <a href="#">WG823864</a> |
| Sulfate  | 726    | * J       | 77.4 | 5000 | 1        | 10/24/2015 00:09 | <a href="#">WG823864</a> |

8 Al

9 Sc

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 0.707  | J         | 0.250 | 2.00 | 1        | 10/28/2015 14:09 | <a href="#">WG824700</a> |
| Barium    | 0.717  | J         | 0.360 | 5.00 | 1        | 10/28/2015 14:09 | <a href="#">WG824700</a> |
| Calcium   | 94.6   | J         | 46.0  | 1000 | 1        | 10/28/2015 14:09 | <a href="#">WG824700</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/28/2015 14:09 | <a href="#">WG824700</a> |
| Iron      | U      |           | 15.0  | 100  | 1        | 10/28/2015 14:09 | <a href="#">WG824700</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/28/2015 14:09 | <a href="#">WG824700</a> |
| Manganese | 0.506  | J         | 0.250 | 5.00 | 1        | 10/28/2015 14:09 | <a href="#">WG824700</a> |
| Potassium | U      |           | 37.0  | 1000 | 1        | 10/28/2015 14:09 | <a href="#">WG824700</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/28/2015 14:09 | <a href="#">WG824700</a> |
| Sodium    | 679    | J         | 110   | 1000 | 1        | 10/28/2015 14:09 | <a href="#">WG824700</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/26/2015 14:52 | <a href="#">WG823735</a> |
| (S) a,a,a-Trifluorotoluene(FID) 97.8 |        |           |      | 62.0-128 |          | 10/26/2015 14:52 | <a href="#">WG823735</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/25/2015 02:36 | <a href="#">WG824208</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/25/2015 02:36 | <a href="#">WG824208</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/25/2015 02:36 | <a href="#">WG824208</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/25/2015 02:36 | <a href="#">WG824208</a> |
| Bromomethane         | U      |           | 0.866 | 5.00 | 1        | 10/25/2015 02:36 | <a href="#">WG824208</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/25/2015 02:36 | <a href="#">WG824208</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/25/2015 02:36 | <a href="#">WG824208</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/25/2015 02:36 | <a href="#">WG824208</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/25/2015 02:36 | <a href="#">WG824208</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/25/2015 02:36 | <a href="#">WG824208</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/25/2015 02:36 | <a href="#">WG824208</a> |
| Chloroethane         | U      | *         | 0.453 | 5.00 | 1        | 10/25/2015 02:36 | <a href="#">WG824208</a> |
| Chloroform           | 5.76   | -         | 0.324 | 5.00 | 1        | 10/25/2015 02:36 | <a href="#">WG824208</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/25/2015 02:36 | <a href="#">WG824208</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/25/2015 02:36 | <a href="#">WG824208</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/25/2015 02:36 | <a href="#">WG824208</a> |





## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| (S) Toluene-d8              | 104            |           |             | 90.0-115    |          | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| (S) Dibromofluoromethane    | 96.7           |           |             | 79.0-121    |          | 10/25/2015 02:36        | <a href="#">WG824208</a> |
| (S) 4-Bromofluorobenzene    | 104            |           |             | 80.1-120    |          | 10/25/2015 02:36        | <a href="#">WG824208</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | U              |           | 24.7        | 100         | 1        | 10/27/2015 03:18        | <a href="#">WG823976</a> |
| (S) o-Terphenyl            | 75.0           |           |             | 50.0-150    |          | 10/27/2015 03:18        | <a href="#">WG823976</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 2570000 |           | 2820 | 10000 | 1        | 10/25/2015 01:52 | <a href="#">WG823736</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 202    | J         | 197  | 1000 | 10       | 10/28/2015 18:51 | <a href="#">WG825209</a> |

## Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|------|------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Cyanide | U      |           | 1.80 | 5.00 | 1        | 10/28/2015 07:06 | <a href="#">WG824888</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 358000  |           | 1040 | 20000  | 20       | 10/24/2015 02:26 | <a href="#">WG823864</a> |
| Fluoride | 813     |           | 9.90 | 100    | 1        | 10/24/2015 00:40 | <a href="#">WG823864</a> |
| Sulfate  | 1120000 |           | 1550 | 100000 | 20       | 10/24/2015 02:26 | <a href="#">WG823864</a> |

## Mercury by Method 7470A

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|--------|-------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l   | ug/l  |          | date / time      |                          |
| Mercury | U      |           | 0.0490 | 0.200 | 1        | 10/22/2015 17:49 | <a href="#">WG823720</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 9.39   |           | 0.250 | 2.00 | 1        | 10/28/2015 14:11 | <a href="#">WG824700</a> |
| Barium    | 64.7   |           | 0.360 | 5.00 | 1        | 10/28/2015 14:11 | <a href="#">WG824700</a> |
| Calcium   | 320000 |           | 46.0  | 1000 | 1        | 10/28/2015 14:11 | <a href="#">WG824700</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/28/2015 14:11 | <a href="#">WG824700</a> |
| Iron      | 1040   |           | 15.0  | 100  | 1        | 10/28/2015 14:11 | <a href="#">WG824700</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/28/2015 14:11 | <a href="#">WG824700</a> |
| Manganese | 4090   |           | 0.250 | 5.00 | 1        | 10/28/2015 14:11 | <a href="#">WG824700</a> |
| Nickel    | 4.42   |           | 0.350 | 2.00 | 1        | 10/28/2015 14:11 | <a href="#">WG824700</a> |
| Potassium | 152    | J         | 37.0  | 1000 | 1        | 10/28/2015 14:11 | <a href="#">WG824700</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/28/2015 14:11 | <a href="#">WG824700</a> |
| Sodium    | 252000 |           | 110   | 1000 | 1        | 10/28/2015 14:11 | <a href="#">WG824700</a> |
| Vanadium  | 1.82   | J         | 0.180 | 5.00 | 1        | 10/28/2015 14:11 | <a href="#">WG824700</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/28/2015 13:27 | <a href="#">WG825015</a> |
| Benzene              | 16.4   |           | 0.331 | 1.00 | 1        | 10/28/2015 13:27 | <a href="#">WG825015</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/28/2015 13:27 | <a href="#">WG825015</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/28/2015 13:27 | <a href="#">WG825015</a> |
| Bromomethane         | U      |           | 0.866 | 5.00 | 1        | 10/28/2015 13:27 | <a href="#">WG825015</a> |
| n-Butylbenzene       | 1.43   |           | 0.361 | 1.00 | 1        | 10/28/2015 13:27 | <a href="#">WG825015</a> |
| sec-Butylbenzene     | 8.08   |           | 0.365 | 1.00 | 1        | 10/28/2015 13:27 | <a href="#">WG825015</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/28/2015 13:27 | <a href="#">WG825015</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/28/2015 13:27 | <a href="#">WG825015</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/28/2015 13:27 | <a href="#">WG825015</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| Chlorodibromomethane        | U              |           | 0.327       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| Chloroethane                | U              |           | 0.453       | 5.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| Chloroform                  | U              |           | 0.324       | 5.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| Chloromethane               | U              |           | 0.276       | 2.50        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| 1,2-Dibromoethane           | U              |           | 0.381       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| 1,1-Dichloroethane          | U              |           | 0.259       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| Ethylbenzene                | 24.0           |           | 0.384       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| Isopropylbenzene            | 22.3           |           | 0.326       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| Methyl tert-butyl ether     | 6.77           |           | 0.367       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| Naphthalene                 | 2.25           | L         | 1.00        | 5.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| n-Propylbenzene             | 22.1           |           | 0.349       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| 1,2,4-Trimethylbenzene      | 5.57           |           | 0.373       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| o-Xylene                    | 0.608          | L         | 0.341       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| m&p-Xylene                  | 0.839          | L         | 0.719       | 1.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| Xylenes, Total              | 1.45           | L         | 1.06        | 3.00        | 1        | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| (S) Toluene-d8              | 105            |           |             | 90.0-115    |          | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| (S) Dibromofluoromethane    | 100            |           |             | 79.0-121    |          | 10/28/2015 13:27        | <a href="#">WG825015</a> |
| (S) 4-Bromofluorobenzene    | 100            |           |             | 80.1-120    |          | 10/28/2015 13:27        | <a href="#">WG825015</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 721            |           | 24.7        | 100         | 1        | 10/27/2015 03:35        | <a href="#">WG823976</a> |
| (S) o-Terphenyl            | 89.6           |           |             | 50.0-150    |          | 10/27/2015 03:35        | <a href="#">WG823976</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 4160000 |           | 2820 | 10000 | 1        | 10/25/2015 01:53 | <a href="#">WG823736</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      | F         | 197  | 1000 | 10       | 10/28/2015 18:52 | <a href="#">WG825209</a> |

## Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|------|------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Cyanide | 81.0   |           | 9.00 | 25.0 | 5        | 10/28/2015 07:46 | <a href="#">WG824888</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 984000 |           | 5190 | 100000 | 100      | 10/24/2015 02:41 | <a href="#">WG823864</a> |
| Fluoride | 2190   |           | 9.90 | 100    | 1        | 10/24/2015 00:55 | <a href="#">WG823864</a> |
| Sulfate  | 677000 |           | 7740 | 500000 | 100      | 10/24/2015 02:41 | <a href="#">WG823864</a> |

## Mercury by Method 7470A

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|--------|-------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l   | ug/l  |          | date / time      |                          |
| Mercury | U      |           | 0.0490 | 0.200 | 1        | 10/22/2015 17:52 | <a href="#">WG823720</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 18.0   |           | 0.250 | 2.00 | 1        | 10/28/2015 14:14 | <a href="#">WG824700</a> |
| Barium    | 108    |           | 0.360 | 5.00 | 1        | 10/28/2015 14:14 | <a href="#">WG824700</a> |
| Calcium   | 241000 |           | 46.0  | 1000 | 1        | 10/28/2015 14:14 | <a href="#">WG824700</a> |
| Chromium  | 1.11   | J         | 0.540 | 2.00 | 1        | 10/28/2015 14:14 | <a href="#">WG824700</a> |
| Iron      | 58.3   | J         | 15.0  | 100  | 1        | 10/28/2015 14:14 | <a href="#">WG824700</a> |
| Lead      | 0.577  | J         | 0.240 | 2.00 | 1        | 10/28/2015 14:14 | <a href="#">WG824700</a> |
| Manganese | 157    |           | 0.250 | 5.00 | 1        | 10/28/2015 14:14 | <a href="#">WG824700</a> |
| Nickel    | 4.65   |           | 0.350 | 2.00 | 1        | 10/28/2015 14:14 | <a href="#">WG824700</a> |
| Potassium | 1260   |           | 37.0  | 1000 | 1        | 10/28/2015 14:14 | <a href="#">WG824700</a> |
| Selenium  | 0.853  | J         | 0.380 | 2.00 | 1        | 10/28/2015 14:14 | <a href="#">WG824700</a> |
| Sodium    | 658000 |           | 220   | 2000 | 2        | 10/28/2015 15:04 | <a href="#">WG824700</a> |
| Vanadium  | 3.86   | J         | 0.180 | 5.00 | 1        | 10/28/2015 14:14 | <a href="#">WG824700</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 30500  |           | 157  | 500      | 5        | 10/26/2015 15:14 | <a href="#">WG823735</a> |
| (S) a,a,a-Trifluorotoluene(FID) 96.4 |        |           |      | 62.0-128 |          | 10/26/2015 15:14 | <a href="#">WG823735</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 100  | 500  | 10       | 10/25/2015 03:24 | <a href="#">WG824208</a> |
| Benzene              | 13000  |           | 166  | 500  | 500      | 10/28/2015 13:50 | <a href="#">WG825015</a> |
| Bromodichloromethane | U      |           | 3.80 | 10.0 | 10       | 10/25/2015 03:24 | <a href="#">WG824208</a> |



Collected date/time: 10/19/15 15:35

L795831

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| Bromoform                   | U              |           | 4.69        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| Bromomethane                | U              |           | 8.66        | 50.0        | 10       | 10/25/2015 03:24        | WG824208 |
| n-Butylbenzene              | 4.58           | U         | 3.61        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| sec-Butylbenzene            | 7.63           | U         | 3.65        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| Carbon disulfide            | 3.98           | U         | 2.75        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| Carbon tetrachloride        | U              |           | 3.79        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| Chlorobenzene               | U              |           | 3.48        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| Chlorodibromomethane        | U              |           | 3.27        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| Chloroethane                | U              | *         | 4.53        | 50.0        | 10       | 10/25/2015 03:24        | WG824208 |
| Chloroform                  | U              |           | 3.24        | 50.0        | 10       | 10/25/2015 03:24        | WG824208 |
| Chloromethane               | U              |           | 2.76        | 25.0        | 10       | 10/25/2015 03:24        | WG824208 |
| 1,2-Dibromoethane           | U              |           | 3.81        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| 1,1-Dichloroethane          | U              |           | 2.59        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| 1,2-Dichloroethane          | U              |           | 3.61        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| 1,1-Dichloroethene          | U              |           | 3.98        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| cis-1,2-Dichloroethene      | U              |           | 2.60        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| trans-1,2-Dichloroethene    | U              |           | 3.96        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| 1,2-Dichloropropane         | 7.82           | U         | 3.06        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| cis-1,3-Dichloropropene     | U              |           | 4.18        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| trans-1,3-Dichloropropene   | U              |           | 4.19        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| Ethylbenzene                | 179            |           | 3.84        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| Isopropylbenzene            | 64.2           |           | 3.26        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| p-Isopropyltoluene          | U              |           | 3.50        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| 2-Butanone (MEK)            | U              |           | 39.3        | 100         | 10       | 10/25/2015 03:24        | WG824208 |
| 2-Hexanone                  | U              |           | 38.2        | 100         | 10       | 10/25/2015 03:24        | WG824208 |
| Methylene Chloride          | U              |           | 10.0        | 50.0        | 10       | 10/25/2015 03:24        | WG824208 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 21.4        | 100         | 10       | 10/25/2015 03:24        | WG824208 |
| Methyl tert-butyl ether     | 27.4           |           | 3.67        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| Naphthalene                 | 212            |           | 10.0        | 50.0        | 10       | 10/25/2015 03:24        | WG824208 |
| n-Propylbenzene             | 94.9           |           | 3.49        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| Styrene                     | U              |           | 3.07        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 3.85        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 1.30        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| Tetrachloroethene           | U              |           | 3.72        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| Toluene                     | 808            |           | 7.80        | 50.0        | 10       | 10/25/2015 03:24        | WG824208 |
| 1,1,1-Trichloroethane       | U              |           | 3.19        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| 1,1,2-Trichloroethane       | U              |           | 3.83        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| Trichloroethene             | U              |           | 3.98        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| 1,2,4-Trimethylbenzene      | 477            |           | 3.73        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| 1,3,5-Trimethylbenzene      | 101            |           | 3.87        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| Vinyl chloride              | U              |           | 2.59        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| o-Xylene                    | 333            |           | 3.41        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| m&p-Xylene                  | 1150           |           | 7.19        | 10.0        | 10       | 10/25/2015 03:24        | WG824208 |
| Xylenes, Total              | 1480           |           | 10.6        | 30.0        | 10       | 10/25/2015 03:24        | WG824208 |
| (S) Toluene-d8              | 108            |           |             | 90.0-115    |          | 10/25/2015 03:24        | WG824208 |
| (S) Dibromofluoromethane    | 121            |           |             | 79.0-121    |          | 10/25/2015 03:24        | WG824208 |
| (S) 4-Bromofluorobenzene    | 105            |           |             | 80.1-120    |          | 10/25/2015 03:24        | WG824208 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) High Fraction | 9950           |           | 124         | 500         | 5        | 10/27/2015 08:11        | WG823976 |
| (S) o-Terphenyl            | 91.2           |           |             | 50.0-150    |          | 10/27/2015 08:11        | WG823976 |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 3880000 |           | 2820 | 10000 | 1        | 10/25/2015 01:53 | <a href="#">WG823736</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 10/28/2015 18:59 | <a href="#">WG825209</a> |

## Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|------|------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Cyanide | 144    |           | 18.0 | 50.0 | 10       | 10/28/2015 07:47 | <a href="#">WG824888</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 390000  |           | 5190 | 100000 | 100      | 10/24/2015 02:56 | <a href="#">WG823864</a> |
| Fluoride | 1970    |           | 9.90 | 100    | 1        | 10/24/2015 01:11 | <a href="#">WG823864</a> |
| Sulfate  | 1090000 |           | 7740 | 500000 | 100      | 10/24/2015 02:56 | <a href="#">WG823864</a> |

## Mercury by Method 7470A

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|--------|-------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l   | ug/l  |          | date / time      |                          |
| Mercury | U      |           | 0.0490 | 0.200 | 1        | 11/09/2015 11:18 | <a href="#">WG827547</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result  | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|---------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l    |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 52.5    |           | 0.250 | 2.00 | 1        | 10/28/2015 14:16 | <a href="#">WG824700</a> |
| Barium    | 127     |           | 0.360 | 5.00 | 1        | 10/28/2015 14:16 | <a href="#">WG824700</a> |
| Calcium   | 142000  |           | 46.0  | 1000 | 1        | 10/28/2015 14:16 | <a href="#">WG824700</a> |
| Chromium  | 3.26    |           | 0.540 | 2.00 | 1        | 10/28/2015 14:16 | <a href="#">WG824700</a> |
| Iron      | 1630    |           | 15.0  | 100  | 1        | 10/28/2015 14:16 | <a href="#">WG824700</a> |
| Lead      | 5.96    |           | 0.240 | 2.00 | 1        | 10/28/2015 14:16 | <a href="#">WG824700</a> |
| Manganese | 120     |           | 0.250 | 5.00 | 1        | 10/28/2015 14:16 | <a href="#">WG824700</a> |
| Nickel    | 8.74    |           | 0.350 | 2.00 | 1        | 10/28/2015 14:16 | <a href="#">WG824700</a> |
| Potassium | 1900    |           | 37.0  | 1000 | 1        | 10/28/2015 14:16 | <a href="#">WG824700</a> |
| Selenium  | 2.18    |           | 0.380 | 2.00 | 1        | 10/28/2015 14:16 | <a href="#">WG824700</a> |
| Sodium    | 1320000 |           | 550   | 5000 | 5        | 10/28/2015 14:58 | <a href="#">WG824700</a> |
| Vanadium  | 9.04    |           | 0.180 | 5.00 | 1        | 10/28/2015 14:16 | <a href="#">WG824700</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 30000  |           | 1570 | 5000     | 50       | 10/26/2015 15:36 | <a href="#">WG823735</a> |
| (S) a,a,a-Trifluorotoluene(FID) 98.4 |        |           |      | 62.0-128 |          | 10/26/2015 15:36 | <a href="#">WG823735</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 1000 | 5000 | 100      | 10/25/2015 03:48 | <a href="#">WG824208</a> |
| Benzene              | 9440   |           | 33.1 | 100  | 100      | 10/25/2015 03:48 | <a href="#">WG824208</a> |
| Bromodichloromethane | U      |           | 38.0 | 100  | 100      | 10/25/2015 03:48 | <a href="#">WG824208</a> |



Collected date/time: 10/19/15 09:20

L795831

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| Bromoform                   | U              |           | 46.9        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| Bromomethane                | U              |           | 86.6        | 500         | 100      | 10/25/2015 03:48        | WG824208 |
| n-Butylbenzene              | U              |           | 36.1        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| sec-Butylbenzene            | U              |           | 36.5        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| Carbon disulfide            | U              |           | 27.5        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| Carbon tetrachloride        | U              |           | 37.9        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| Chlorobenzene               | U              |           | 34.8        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| Chlorodibromomethane        | U              |           | 32.7        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| Chloroethane                | U              | *         | 45.3        | 500         | 100      | 10/25/2015 03:48        | WG824208 |
| Chloroform                  | U              |           | 32.4        | 500         | 100      | 10/25/2015 03:48        | WG824208 |
| Chloromethane               | U              |           | 27.6        | 250         | 100      | 10/25/2015 03:48        | WG824208 |
| 1,2-Dibromoethane           | U              |           | 38.1        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| 1,1-Dichloroethane          | U              |           | 25.9        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| 1,2-Dichloroethane          | U              |           | 36.1        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| 1,1-Dichloroethene          | U              |           | 39.8        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| cis-1,2-Dichloroethene      | U              |           | 26.0        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| trans-1,2-Dichloroethene    | U              |           | 39.6        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| 1,2-Dichloropropane         | U              |           | 30.6        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| cis-1,3-Dichloropropene     | U              |           | 41.8        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| trans-1,3-Dichloropropene   | U              |           | 41.9        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| Ethylbenzene                | 1590           |           | 38.4        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| Isopropylbenzene            | 99.7           | LC        | 32.6        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| p-Isopropyltoluene          | U              |           | 35.0        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| 2-Butanone (MEK)            | U              |           | 393         | 1000        | 100      | 10/25/2015 03:48        | WG824208 |
| 2-Hexanone                  | U              |           | 382         | 1000        | 100      | 10/25/2015 03:48        | WG824208 |
| Methylene Chloride          | U              |           | 100         | 500         | 100      | 10/25/2015 03:48        | WG824208 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 214         | 1000        | 100      | 10/25/2015 03:48        | WG824208 |
| Methyl tert-butyl ether     | 60.6           | LC        | 36.7        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| Naphthalene                 | 215            | LC        | 100         | 500         | 100      | 10/25/2015 03:48        | WG824208 |
| n-Propylbenzene             | 143            |           | 34.9        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| Styrene                     | U              |           | 30.7        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 38.5        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 13.0        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| Tetrachloroethene           | U              |           | 37.2        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| Toluene                     | 2160           |           | 78.0        | 500         | 100      | 10/25/2015 03:48        | WG824208 |
| 1,1,1-Trichloroethane       | U              |           | 31.9        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| 1,1,2-Trichloroethane       | U              |           | 38.3        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| Trichloroethene             | U              |           | 39.8        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| 1,2,4-Trimethylbenzene      | 437            |           | 37.3        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| 1,3,5-Trimethylbenzene      | 102            |           | 38.7        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| Vinyl chloride              | U              |           | 25.9        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| o-Xylene                    | 480            |           | 34.1        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| m&p-Xylene                  | 681            |           | 71.9        | 100         | 100      | 10/25/2015 03:48        | WG824208 |
| Xylenes, Total              | 1160           |           | 106         | 300         | 100      | 10/25/2015 03:48        | WG824208 |
| (S) Toluene-d8              | 109            |           |             | 90.0-115    |          | 10/25/2015 03:48        | WG824208 |
| (S) Dibromofluoromethane    | 96.6           |           |             | 79.0-121    |          | 10/25/2015 03:48        | WG824208 |
| (S) 4-Bromofluorobenzene    | 104            |           |             | 80.1-120    |          | 10/25/2015 03:48        | WG824208 |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) High Fraction | 20100          |           | 124         | 500         | 5        | 10/27/2015 08:46        | WG823976 |
| (S) o-Terphenyl            | 128            |           |             | 50.0-150    |          | 10/27/2015 08:46        | WG823976 |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 1920000 |           | 2820 | 10000 | 1        | 10/25/2015 01:52 | <a href="#">WG823736</a> |

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 10/28/2015 19:00 | <a href="#">WG825209</a> |

## Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|------|------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Cyanide | U      |           | 1.80 | 5.00 | 1        | 10/28/2015 14:25 | <a href="#">WG824893</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 490000 |           | 1040 | 20000  | 20       | 10/24/2015 03:43 | <a href="#">WG823864</a> |
| Fluoride | 1080   |           | 9.90 | 100    | 1        | 10/24/2015 01:40 | <a href="#">WG823864</a> |
| Sulfate  | 154000 |           | 1550 | 100000 | 20       | 10/24/2015 03:43 | <a href="#">WG823864</a> |

## Mercury by Method 7470A

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|--------|-------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l   | ug/l  |          | date / time      |                          |
| Mercury | U      |           | 0.0490 | 0.200 | 1        | 10/22/2015 17:57 | <a href="#">WG823720</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 7.28   |           | 0.250 | 2.00 | 1        | 10/28/2015 14:18 | <a href="#">WG824700</a> |
| Barium    | 131    |           | 0.360 | 5.00 | 1        | 10/28/2015 14:18 | <a href="#">WG824700</a> |
| Calcium   | 139000 |           | 46.0  | 1000 | 1        | 10/28/2015 14:18 | <a href="#">WG824700</a> |
| Chromium  | 2.18   |           | 0.540 | 2.00 | 1        | 10/28/2015 14:18 | <a href="#">WG824700</a> |
| Iron      | 2540   |           | 15.0  | 100  | 1        | 10/28/2015 14:18 | <a href="#">WG824700</a> |
| Lead      | 1.95   | J         | 0.240 | 2.00 | 1        | 10/28/2015 14:18 | <a href="#">WG824700</a> |
| Manganese | 249    |           | 0.250 | 5.00 | 1        | 10/28/2015 14:18 | <a href="#">WG824700</a> |
| Nickel    | 4.20   |           | 0.350 | 2.00 | 1        | 10/28/2015 14:18 | <a href="#">WG824700</a> |
| Potassium | 1750   |           | 37.0  | 1000 | 1        | 10/28/2015 14:18 | <a href="#">WG824700</a> |
| Selenium  | 0.743  | J         | 0.380 | 2.00 | 1        | 10/28/2015 14:18 | <a href="#">WG824700</a> |
| Sodium    | 410000 |           | 110   | 1000 | 1        | 10/28/2015 14:18 | <a href="#">WG824700</a> |
| Vanadium  | 7.05   |           | 0.180 | 5.00 | 1        | 10/28/2015 14:18 | <a href="#">WG824700</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 5080   |           | 1570 | 5000     | 50       | 10/26/2015 21:29 | <a href="#">WG823735</a> |
| (S) a,a,a-Trifluorotoluene(FID) 94.4 |        |           |      | 62.0-128 |          | 10/26/2015 21:29 | <a href="#">WG823735</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 200  | 1000 | 20       | 10/28/2015 14:13 | <a href="#">WG825015</a> |
| Benzene              | 1540   |           | 6.62 | 20.0 | 20       | 10/28/2015 14:13 | <a href="#">WG825015</a> |
| Bromodichloromethane | U      |           | 7.60 | 20.0 | 20       | 10/28/2015 14:13 | <a href="#">WG825015</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc





## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| Bromoform                   | U              |           | 9.38        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| Bromomethane                | U              |           | 17.3        | 100         | 20       | 10/28/2015 14:13        | WG825015 |
| n-Butylbenzene              | 9.66           | U         | 7.22        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| sec-Butylbenzene            | 14.4           | U         | 7.30        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| Carbon disulfide            | U              |           | 5.50        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| Carbon tetrachloride        | U              |           | 7.58        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| Chlorobenzene               | U              |           | 6.96        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| Chlorodibromomethane        | U              |           | 6.54        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| Chloroethane                | U              |           | 9.06        | 100         | 20       | 10/28/2015 14:13        | WG825015 |
| Chloroform                  | U              |           | 6.48        | 100         | 20       | 10/28/2015 14:13        | WG825015 |
| Chloromethane               | U              |           | 5.52        | 50.0        | 20       | 10/28/2015 14:13        | WG825015 |
| 1,2-Dibromoethane           | U              |           | 7.62        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| 1,1-Dichloroethane          | U              |           | 5.18        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| 1,2-Dichloroethane          | U              |           | 7.22        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| 1,1-Dichloroethene          | U              |           | 7.96        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| cis-1,2-Dichloroethene      | U              |           | 5.20        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| trans-1,2-Dichloroethene    | U              |           | 7.92        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| 1,2-Dichloropropane         | U              |           | 6.12        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| cis-1,3-Dichloropropene     | U              |           | 8.36        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| trans-1,3-Dichloropropene   | U              |           | 8.38        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| Ethylbenzene                | 569            |           | 7.68        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| Isopropylbenzene            | 68.4           |           | 6.52        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| p-Isopropyltoluene          | U              |           | 7.00        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| 2-Butanone (MEK)            | U              |           | 78.6        | 200         | 20       | 10/28/2015 14:13        | WG825015 |
| 2-Hexanone                  | U              |           | 76.4        | 200         | 20       | 10/28/2015 14:13        | WG825015 |
| Methylene Chloride          | U              |           | 20.0        | 100         | 20       | 10/28/2015 14:13        | WG825015 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 42.8        | 200         | 20       | 10/28/2015 14:13        | WG825015 |
| Methyl tert-butyl ether     | 92.6           |           | 7.34        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| Naphthalene                 | 89.4           | U         | 20.0        | 100         | 20       | 10/28/2015 14:13        | WG825015 |
| n-Propylbenzene             | 97.3           |           | 6.98        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| Styrene                     | U              |           | 6.14        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 7.70        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 2.60        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| Tetrachloroethene           | U              |           | 7.44        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| Toluene                     | U              |           | 15.6        | 100         | 20       | 10/28/2015 14:13        | WG825015 |
| 1,1,1-Trichloroethane       | U              |           | 6.38        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| 1,1,2-Trichloroethane       | U              |           | 7.66        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| Trichloroethene             | U              |           | 7.96        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| 1,2,4-Trimethylbenzene      | 79.2           |           | 7.46        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| 1,3,5-Trimethylbenzene      | 18.9           | U         | 7.74        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| Vinyl chloride              | U              |           | 5.18        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| o-Xylene                    | U              |           | 6.82        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| m&p-Xylene                  | 33.9           |           | 14.4        | 20.0        | 20       | 10/28/2015 14:13        | WG825015 |
| Xylenes, Total              | 33.9           | U         | 21.2        | 60.0        | 20       | 10/28/2015 14:13        | WG825015 |
| (S) Toluene-d8              | 105            |           |             | 90.0-115    |          | 10/28/2015 14:13        | WG825015 |
| (S) Dibromofluoromethane    | 97.8           |           |             | 79.0-121    |          | 10/28/2015 14:13        | WG825015 |
| (S) 4-Bromofluorobenzene    | 103            |           |             | 80.1-120    |          | 10/28/2015 14:13        | WG825015 |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) High Fraction | 6730           |           | 24.7        | 100         | 1        | 10/27/2015 07:37        | WG823976 |
| (S) o-Terphenyl            | 61.5           |           |             | 50.0-150    |          | 10/27/2015 07:37        | WG823976 |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 2500000 |           | 2820 | 10000 | 1        | 10/25/2015 01:52 | <a href="#">WG823736</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 10/28/2015 19:01 | <a href="#">WG825209</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 200000  |           | 1040 | 20000  | 20       | 10/24/2015 05:46 | <a href="#">WG823864</a> |
| Fluoride | 1030    |           | 9.90 | 100    | 1        | 10/24/2015 03:58 | <a href="#">WG823864</a> |
| Sulfate  | 1300000 |           | 1550 | 100000 | 20       | 10/24/2015 05:46 | <a href="#">WG823864</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 1.95   | J         | 0.250 | 2.00 | 1        | 10/28/2015 14:21 | <a href="#">WG824700</a> |
| Barium    | 14.6   |           | 0.360 | 5.00 | 1        | 10/28/2015 14:21 | <a href="#">WG824700</a> |
| Calcium   | 281000 |           | 46.0  | 1000 | 1        | 10/28/2015 14:21 | <a href="#">WG824700</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/28/2015 14:21 | <a href="#">WG824700</a> |
| Iron      | 786    |           | 15.0  | 100  | 1        | 10/28/2015 14:21 | <a href="#">WG824700</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/28/2015 14:21 | <a href="#">WG824700</a> |
| Manganese | 642    |           | 0.250 | 5.00 | 1        | 10/28/2015 14:21 | <a href="#">WG824700</a> |
| Potassium | 511    | J         | 37.0  | 1000 | 1        | 10/28/2015 14:21 | <a href="#">WG824700</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/28/2015 14:21 | <a href="#">WG824700</a> |
| Sodium    | 178000 |           | 110   | 1000 | 1        | 10/28/2015 14:21 | <a href="#">WG824700</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 640    |           | 31.4 | 100      | 1        | 10/26/2015 21:51 | <a href="#">WG823735</a> |
| (S) a,a,a-Trifluorotoluene(FID) 96.5 |        |           |      | 62.0-128 |          | 10/26/2015 21:51 | <a href="#">WG823735</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | 35.1   | J         | 10.0  | 50.0 | 1        | 10/25/2015 04:36 | <a href="#">WG824208</a> |
| Benzene              | 44.7   |           | 0.331 | 1.00 | 1        | 10/25/2015 04:36 | <a href="#">WG824208</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/25/2015 04:36 | <a href="#">WG824208</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/25/2015 04:36 | <a href="#">WG824208</a> |
| Bromomethane         | U      |           | 0.866 | 5.00 | 1        | 10/25/2015 04:36 | <a href="#">WG824208</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/25/2015 04:36 | <a href="#">WG824208</a> |
| sec-Butylbenzene     | 4.15   |           | 0.365 | 1.00 | 1        | 10/25/2015 04:36 | <a href="#">WG824208</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/25/2015 04:36 | <a href="#">WG824208</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/25/2015 04:36 | <a href="#">WG824208</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/25/2015 04:36 | <a href="#">WG824208</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/25/2015 04:36 | <a href="#">WG824208</a> |
| Chloroethane         | U      | *         | 0.453 | 5.00 | 1        | 10/25/2015 04:36 | <a href="#">WG824208</a> |
| Chloroform           | U      | -         | 0.324 | 5.00 | 1        | 10/25/2015 04:36 | <a href="#">WG824208</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/25/2015 04:36 | <a href="#">WG824208</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/25/2015 04:36 | <a href="#">WG824208</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/25/2015 04:36 | <a href="#">WG824208</a> |



Collected date/time: 10/19/15 11:45

L795831

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| Ethylbenzene                | 4.75           |           | 0.384       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| Isopropylbenzene            | 20.8           |           | 0.326       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 04:36        | WG824208 |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 04:36        | WG824208 |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 04:36        | WG824208 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 04:36        | WG824208 |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 04:36        | WG824208 |
| n-Propylbenzene             | 10.4           |           | 0.349       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| Toluene                     | 0.858          | U         | 0.780       | 5.00        | 1        | 10/25/2015 04:36        | WG824208 |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| 1,2,4-Trimethylbenzene      | 2.51           |           | 0.373       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| m&p-Xylene                  | 10.3           |           | 0.719       | 1.00        | 1        | 10/25/2015 04:36        | WG824208 |
| Xylenes, Total              | 10.3           |           | 1.06        | 3.00        | 1        | 10/25/2015 04:36        | WG824208 |
| (S) Toluene-d8              | 105            |           |             | 90.0-115    |          | 10/25/2015 04:36        | WG824208 |
| (S) Dibromofluoromethane    | 97.6           |           |             | 79.0-121    |          | 10/25/2015 04:36        | WG824208 |
| (S) 4-Bromofluorobenzene    | 103            |           |             | 80.1-120    |          | 10/25/2015 04:36        | WG824208 |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) High Fraction | 569            |           | 24.7        | 100         | 1        | 10/27/2015 03:52        | WG823976 |
| (S) o-Terphenyl            | 83.0           |           |             | 50.0-150    |          | 10/27/2015 03:52        | WG823976 |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 4060000 |           | 2820 | 10000 | 1        | 10/25/2015 01:52 | <a href="#">WG823736</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 438    | J         | 197  | 1000 | 10       | 10/28/2015 19:02 | <a href="#">WG825209</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 295000  |           | 1040 | 20000  | 20       | 10/24/2015 06:17 | <a href="#">WG823864</a> |
| Fluoride | 850     |           | 9.90 | 100    | 1        | 10/24/2015 04:29 | <a href="#">WG823864</a> |
| Sulfate  | 2330000 |           | 7740 | 500000 | 100      | 10/28/2015 10:54 | <a href="#">WG824952</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 4.42   |           | 0.250 | 2.00 | 1        | 10/28/2015 14:23 | <a href="#">WG824700</a> |
| Barium    | 11.6   |           | 0.360 | 5.00 | 1        | 10/28/2015 14:23 | <a href="#">WG824700</a> |
| Calcium   | 531000 |           | 46.0  | 1000 | 1        | 10/28/2015 14:23 | <a href="#">WG824700</a> |
| Chromium  | 0.580  | J         | 0.540 | 2.00 | 1        | 10/28/2015 14:23 | <a href="#">WG824700</a> |
| Iron      | 154    |           | 15.0  | 100  | 1        | 10/28/2015 14:23 | <a href="#">WG824700</a> |
| Lead      | 0.342  | J         | 0.240 | 2.00 | 1        | 10/28/2015 14:23 | <a href="#">WG824700</a> |
| Manganese | 60.9   |           | 0.250 | 5.00 | 1        | 10/28/2015 14:23 | <a href="#">WG824700</a> |
| Potassium | 2180   |           | 37.0  | 1000 | 1        | 10/28/2015 14:23 | <a href="#">WG824700</a> |
| Selenium  | 2.06   |           | 0.380 | 2.00 | 1        | 10/28/2015 14:23 | <a href="#">WG824700</a> |
| Sodium    | 201000 |           | 110   | 1000 | 1        | 10/28/2015 14:23 | <a href="#">WG824700</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/26/2015 22:13 | <a href="#">WG823735</a> |
| (S) a,a,a-Trifluorotoluene(FID) 97.7 |        |           |      | 62.0-128 |          | 10/26/2015 22:13 | <a href="#">WG823735</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/25/2015 05:01 | <a href="#">WG824208</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/25/2015 05:01 | <a href="#">WG824208</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/25/2015 05:01 | <a href="#">WG824208</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/25/2015 05:01 | <a href="#">WG824208</a> |
| Bromomethane         | U      |           | 0.866 | 5.00 | 1        | 10/25/2015 05:01 | <a href="#">WG824208</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/25/2015 05:01 | <a href="#">WG824208</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/25/2015 05:01 | <a href="#">WG824208</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/25/2015 05:01 | <a href="#">WG824208</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/25/2015 05:01 | <a href="#">WG824208</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/25/2015 05:01 | <a href="#">WG824208</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/25/2015 05:01 | <a href="#">WG824208</a> |
| Chloroethane         | U      | *         | 0.453 | 5.00 | 1        | 10/25/2015 05:01 | <a href="#">WG824208</a> |
| Chloroform           | U      | -         | 0.324 | 5.00 | 1        | 10/25/2015 05:01 | <a href="#">WG824208</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/25/2015 05:01 | <a href="#">WG824208</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/25/2015 05:01 | <a href="#">WG824208</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/25/2015 05:01 | <a href="#">WG824208</a> |



Collected date/time: 10/19/15 12:20

L795831

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| (S) Toluene-d8              | 103            |           |             | 90.0-115    |          | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| (S) Dibromofluoromethane    | 97.6           |           |             | 79.0-121    |          | 10/25/2015 05:01        | <a href="#">WG824208</a> |
| (S) 4-Bromofluorobenzene    | 103            |           |             | 80.1-120    |          | 10/25/2015 05:01        | <a href="#">WG824208</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 140            |           | 24.7        | 100         | 1        | 10/27/2015 04:10        | <a href="#">WG823976</a> |
| (S) o-Terphenyl            | 72.4           |           |             | 50.0-150    |          | 10/27/2015 04:10        | <a href="#">WG823976</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 1900000 |           | 2820 | 10000 | 1        | 10/26/2015 03:37 | <a href="#">WG824140</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 10/28/2015 19:03 | <a href="#">WG825209</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 243000 |           | 1040 | 20000  | 20       | 10/24/2015 07:03 | <a href="#">WG823864</a> |
| Fluoride | 1060   |           | 9.90 | 100    | 1        | 10/24/2015 05:15 | <a href="#">WG823864</a> |
| Sulfate  | 642000 |           | 1550 | 100000 | 20       | 10/24/2015 07:03 | <a href="#">WG823864</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 4.99   |           | 0.250 | 2.00 | 1        | 10/28/2015 14:32 | <a href="#">WG824700</a> |
| Barium    | 116    |           | 0.360 | 5.00 | 1        | 10/28/2015 14:32 | <a href="#">WG824700</a> |
| Calcium   | 234000 |           | 46.0  | 1000 | 1        | 10/28/2015 14:32 | <a href="#">WG824700</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/28/2015 14:32 | <a href="#">WG824700</a> |
| Iron      | 323    |           | 15.0  | 100  | 1        | 10/28/2015 14:32 | <a href="#">WG824700</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/28/2015 14:32 | <a href="#">WG824700</a> |
| Manganese | 94.3   |           | 0.250 | 5.00 | 1        | 10/28/2015 14:32 | <a href="#">WG824700</a> |
| Potassium | 256    | J         | 37.0  | 1000 | 1        | 10/28/2015 14:32 | <a href="#">WG824700</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/28/2015 14:32 | <a href="#">WG824700</a> |
| Sodium    | 143000 |           | 110   | 1000 | 1        | 10/28/2015 14:32 | <a href="#">WG824700</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 6540   |           | 1570 | 5000     | 50       | 10/26/2015 22:35 | <a href="#">WG823735</a> |
| (S) a,a,a-Trifluorotoluene(FID) 99.0 |        |           |      | 62.0-128 |          | 10/26/2015 22:35 | <a href="#">WG823735</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 200  | 1000 | 20       | 10/28/2015 14:35 | <a href="#">WG825015</a> |
| Benzene              | 1510   |           | 6.62 | 20.0 | 20       | 10/28/2015 14:35 | <a href="#">WG825015</a> |
| Bromodichloromethane | U      |           | 7.60 | 20.0 | 20       | 10/28/2015 14:35 | <a href="#">WG825015</a> |
| Bromoform            | U      |           | 9.38 | 20.0 | 20       | 10/28/2015 14:35 | <a href="#">WG825015</a> |
| Bromomethane         | U      |           | 17.3 | 100  | 20       | 10/28/2015 14:35 | <a href="#">WG825015</a> |
| n-Butylbenzene       | U      |           | 7.22 | 20.0 | 20       | 10/28/2015 14:35 | <a href="#">WG825015</a> |
| sec-Butylbenzene     | U      |           | 7.30 | 20.0 | 20       | 10/28/2015 14:35 | <a href="#">WG825015</a> |
| Carbon disulfide     | U      |           | 5.50 | 20.0 | 20       | 10/28/2015 14:35 | <a href="#">WG825015</a> |
| Carbon tetrachloride | U      |           | 7.58 | 20.0 | 20       | 10/28/2015 14:35 | <a href="#">WG825015</a> |
| Chlorobenzene        | U      |           | 6.96 | 20.0 | 20       | 10/28/2015 14:35 | <a href="#">WG825015</a> |
| Chlorodibromomethane | U      |           | 6.54 | 20.0 | 20       | 10/28/2015 14:35 | <a href="#">WG825015</a> |
| Chloroethane         | U      |           | 9.06 | 100  | 20       | 10/28/2015 14:35 | <a href="#">WG825015</a> |
| Chloroform           | U      |           | 6.48 | 100  | 20       | 10/28/2015 14:35 | <a href="#">WG825015</a> |
| Chloromethane        | U      |           | 5.52 | 50.0 | 20       | 10/28/2015 14:35 | <a href="#">WG825015</a> |
| 1,2-Dibromoethane    | U      |           | 7.62 | 20.0 | 20       | 10/28/2015 14:35 | <a href="#">WG825015</a> |
| 1,1-Dichloroethane   | U      |           | 5.18 | 20.0 | 20       | 10/28/2015 14:35 | <a href="#">WG825015</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 7.22        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| 1,1-Dichloroethene          | U              |           | 7.96        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| cis-1,2-Dichloroethene      | U              |           | 5.20        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| trans-1,2-Dichloroethene    | U              |           | 7.92        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| 1,2-Dichloropropane         | U              |           | 6.12        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| cis-1,3-Dichloropropene     | U              |           | 8.36        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| trans-1,3-Dichloropropene   | U              |           | 8.38        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| Ethylbenzene                | 299            |           | 7.68        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| Isopropylbenzene            | 18.3           | L         | 6.52        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| p-Isopropyltoluene          | U              |           | 7.00        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| 2-Butanone (MEK)            | U              |           | 78.6        | 200         | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| 2-Hexanone                  | U              |           | 76.4        | 200         | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| Methylene Chloride          | U              |           | 20.0        | 100         | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 42.8        | 200         | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| Methyl tert-butyl ether     | 730            |           | 7.34        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| Naphthalene                 | 41.5           | L         | 20.0        | 100         | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| n-Propylbenzene             | 30.5           |           | 6.98        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| Styrene                     | U              |           | 6.14        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 7.70        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 2.60        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| Tetrachloroethene           | U              |           | 7.44        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| Toluene                     | 216            |           | 15.6        | 100         | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| 1,1,1-Trichloroethane       | U              |           | 6.38        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| 1,1,2-Trichloroethane       | U              |           | 7.66        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| Trichloroethene             | U              |           | 7.96        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| 1,2,4-Trimethylbenzene      | 98.0           |           | 7.46        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 7.74        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| Vinyl chloride              | U              |           | 5.18        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| o-Xylene                    | 55.2           |           | 6.82        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| m&p-Xylene                  | 85.6           |           | 14.4        | 20.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| Xylenes, Total              | 141            |           | 21.2        | 60.0        | 20       | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| (S) Toluene-d8              | 105            |           |             | 90.0-115    |          | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| (S) Dibromofluoromethane    | 100            |           |             | 79.0-121    |          | 10/28/2015 14:35        | <a href="#">WG825015</a> |
| (S) 4-Bromofluorobenzene    | 102            |           |             | 80.1-120    |          | 10/28/2015 14:35        | <a href="#">WG825015</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 585            |           | 24.7        | 100         | 1        | 10/27/2015 04:27        | <a href="#">WG823976</a> |
| (S) o-Terphenyl            | 61.0           |           |             | 50.0-150    |          | 10/27/2015 04:27        | <a href="#">WG823976</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 1280000 |           | 2820 | 10000 | 1        | 10/26/2015 03:37 | <a href="#">WG824140</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 10/28/2015 19:05 | <a href="#">WG825209</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|-------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l  |          | date / time      |                          |
| Chloride | 313000 |           | 1040 | 20000 | 20       | 10/24/2015 07:18 | <a href="#">WG823864</a> |
| Fluoride | 1080   |           | 9.90 | 100   | 1        | 10/24/2015 05:31 | <a href="#">WG823864</a> |
| Sulfate  | 57800  |           | 77.4 | 5000  | 1        | 10/24/2015 05:31 | <a href="#">WG823864</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 27.1   |           | 0.250 | 2.00 | 1        | 10/28/2015 14:34 | <a href="#">WG824700</a> |
| Barium    | 546    |           | 0.360 | 5.00 | 1        | 10/28/2015 14:34 | <a href="#">WG824700</a> |
| Calcium   | 169000 |           | 46.0  | 1000 | 1        | 10/28/2015 14:34 | <a href="#">WG824700</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/28/2015 14:34 | <a href="#">WG824700</a> |
| Iron      | 5070   |           | 15.0  | 100  | 1        | 10/28/2015 14:34 | <a href="#">WG824700</a> |
| Lead      | 0.292  | J         | 0.240 | 2.00 | 1        | 10/28/2015 14:34 | <a href="#">WG824700</a> |
| Manganese | 1090   |           | 0.250 | 5.00 | 1        | 10/28/2015 14:34 | <a href="#">WG824700</a> |
| Potassium | 315    | J         | 37.0  | 1000 | 1        | 10/28/2015 14:34 | <a href="#">WG824700</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/28/2015 14:34 | <a href="#">WG824700</a> |
| Sodium    | 194000 |           | 110   | 1000 | 1        | 10/28/2015 14:34 | <a href="#">WG824700</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 4110   | J         | 1570 | 5000     | 50       | 10/26/2015 22:57 | <a href="#">WG823735</a> |
| (S) a,a,a-Trifluorotoluene(FID) 98.9 |        |           |      | 62.0-128 |          | 10/26/2015 22:57 | <a href="#">WG823735</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 1000 | 5000 | 100      | 10/25/2015 05:49 | <a href="#">WG824208</a> |
| Benzene              | U      |           | 33.1 | 100  | 100      | 10/25/2015 05:49 | <a href="#">WG824208</a> |
| Bromodichloromethane | U      |           | 38.0 | 100  | 100      | 10/25/2015 05:49 | <a href="#">WG824208</a> |
| Bromoform            | U      |           | 46.9 | 100  | 100      | 10/25/2015 05:49 | <a href="#">WG824208</a> |
| Bromomethane         | U      |           | 86.6 | 500  | 100      | 10/25/2015 05:49 | <a href="#">WG824208</a> |
| n-Butylbenzene       | U      |           | 36.1 | 100  | 100      | 10/25/2015 05:49 | <a href="#">WG824208</a> |
| sec-Butylbenzene     | U      |           | 36.5 | 100  | 100      | 10/25/2015 05:49 | <a href="#">WG824208</a> |
| Carbon disulfide     | U      |           | 27.5 | 100  | 100      | 10/25/2015 05:49 | <a href="#">WG824208</a> |
| Carbon tetrachloride | U      |           | 37.9 | 100  | 100      | 10/25/2015 05:49 | <a href="#">WG824208</a> |
| Chlorobenzene        | U      |           | 34.8 | 100  | 100      | 10/25/2015 05:49 | <a href="#">WG824208</a> |
| Chlorodibromomethane | U      |           | 32.7 | 100  | 100      | 10/25/2015 05:49 | <a href="#">WG824208</a> |
| Chloroethane         | U      | *         | 45.3 | 500  | 100      | 10/25/2015 05:49 | <a href="#">WG824208</a> |
| Chloroform           | U      |           | 32.4 | 500  | 100      | 10/25/2015 05:49 | <a href="#">WG824208</a> |
| Chloromethane        | U      |           | 27.6 | 250  | 100      | 10/25/2015 05:49 | <a href="#">WG824208</a> |
| 1,2-Dibromoethane    | U      |           | 38.1 | 100  | 100      | 10/25/2015 05:49 | <a href="#">WG824208</a> |
| 1,1-Dichloroethane   | U      |           | 25.9 | 100  | 100      | 10/25/2015 05:49 | <a href="#">WG824208</a> |





Collected date/time: 10/19/15 09:25

L795831

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 36.1        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| 1,1-Dichloroethene          | U              |           | 39.8        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| cis-1,2-Dichloroethene      | U              |           | 26.0        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| trans-1,2-Dichloroethene    | U              |           | 39.6        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| 1,2-Dichloropropane         | U              |           | 30.6        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| cis-1,3-Dichloropropene     | U              |           | 41.8        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| trans-1,3-Dichloropropene   | U              |           | 41.9        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| Ethylbenzene                | U              |           | 38.4        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| Isopropylbenzene            | U              |           | 32.6        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| p-Isopropyltoluene          | U              |           | 35.0        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| 2-Butanone (MEK)            | U              |           | 393         | 1000        | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| 2-Hexanone                  | U              |           | 382         | 1000        | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| Methylene Chloride          | U              |           | 100         | 500         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 214         | 1000        | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| Methyl tert-butyl ether     | 5790           |           | 36.7        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| Naphthalene                 | U              |           | 100         | 500         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| n-Propylbenzene             | U              |           | 34.9        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| Styrene                     | U              |           | 30.7        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 38.5        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 13.0        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| Tetrachloroethene           | U              |           | 37.2        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| Toluene                     | U              |           | 78.0        | 500         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| 1,1,1-Trichloroethane       | U              |           | 31.9        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| 1,1,2-Trichloroethane       | U              |           | 38.3        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| Trichloroethene             | U              |           | 39.8        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 37.3        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 38.7        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| Vinyl chloride              | U              |           | 25.9        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| o-Xylene                    | U              |           | 34.1        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| m&p-Xylene                  | U              |           | 71.9        | 100         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| Xylenes, Total              | U              |           | 106         | 300         | 100      | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| (S) Toluene-d8              | 106            |           |             | 90.0-115    |          | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| (S) Dibromofluoromethane    | 94.0           |           |             | 79.0-121    |          | 10/25/2015 05:49        | <a href="#">WG824208</a> |
| (S) 4-Bromofluorobenzene    | 98.1           |           |             | 80.1-120    |          | 10/25/2015 05:49        | <a href="#">WG824208</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 1310           |           | 24.7        | 100         | 1        | 10/27/2015 04:44        | <a href="#">WG823976</a> |
| (S) o-Terphenyl            | 87.0           |           |             | 50.0-150    |          | 10/27/2015 04:44        | <a href="#">WG823976</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 5320000 |           | 2820 | 10000 | 1        | 10/26/2015 03:38 | <a href="#">WG824140</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 49300  |           | 197  | 1000 | 10       | 10/28/2015 19:06 | <a href="#">WG825209</a> |

## Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|------|------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Cyanide | U      |           | 1.80 | 5.00 | 1        | 10/28/2015 07:14 | <a href="#">WG824888</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 1620000 |           | 1040 | 20000  | 20       | 10/24/2015 07:34 | <a href="#">WG823864</a> |
| Fluoride | 660     |           | 9.90 | 100    | 1        | 10/24/2015 08:20 | <a href="#">WG823864</a> |
| Sulfate  | 1570000 |           | 1550 | 100000 | 20       | 10/24/2015 07:34 | <a href="#">WG823864</a> |

## Mercury by Method 7470A

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|--------|-------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l   | ug/l  |          | date / time      |                          |
| Mercury | U      |           | 0.0490 | 0.200 | 1        | 10/22/2015 18:05 | <a href="#">WG823720</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 2.66   |           | 0.250 | 2.00 | 1        | 10/28/2015 14:36 | <a href="#">WG824700</a> |
| Barium    | 26.7   |           | 0.360 | 5.00 | 1        | 10/28/2015 14:36 | <a href="#">WG824700</a> |
| Calcium   | 674000 |           | 92.0  | 2000 | 2        | 10/28/2015 15:22 | <a href="#">WG824700</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/28/2015 14:36 | <a href="#">WG824700</a> |
| Iron      | U      |           | 15.0  | 100  | 1        | 10/28/2015 14:36 | <a href="#">WG824700</a> |
| Lead      | 5.15   |           | 0.240 | 2.00 | 1        | 10/28/2015 14:36 | <a href="#">WG824700</a> |
| Manganese | 191    |           | 0.250 | 5.00 | 1        | 10/28/2015 14:36 | <a href="#">WG824700</a> |
| Nickel    | 4.61   |           | 0.350 | 2.00 | 1        | 10/28/2015 14:36 | <a href="#">WG824700</a> |
| Potassium | 748    | J         | 37.0  | 1000 | 1        | 10/28/2015 14:36 | <a href="#">WG824700</a> |
| Selenium  | 7.76   |           | 0.380 | 2.00 | 1        | 10/28/2015 14:36 | <a href="#">WG824700</a> |
| Sodium    | 406000 |           | 110   | 1000 | 1        | 10/28/2015 14:36 | <a href="#">WG824700</a> |
| Vanadium  | 11.2   |           | 0.180 | 5.00 | 1        | 10/28/2015 14:36 | <a href="#">WG824700</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 217    |           | 31.4 | 100      | 1        | 10/26/2015 23:19 | <a href="#">WG823735</a> |
| (S) a,a,a-Trifluorotoluene(FID) 97.3 |        |           |      | 62.0-128 |          | 10/26/2015 23:19 | <a href="#">WG823735</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/25/2015 06:13 | <a href="#">WG824208</a> |
| Benzene              | 5.71   |           | 0.331 | 1.00 | 1        | 10/25/2015 06:13 | <a href="#">WG824208</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/25/2015 06:13 | <a href="#">WG824208</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| Bromoform                   | U              |           | 0.469       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| Bromomethane                | U              |           | 0.866       | 5.00        | 1        | 10/25/2015 06:13        | WG824208 |
| n-Butylbenzene              | 1.26           |           | 0.361       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| sec-Butylbenzene            | 4.57           |           | 0.365       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| Carbon disulfide            | U              |           | 0.275       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| Carbon tetrachloride        | U              |           | 0.379       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| Chlorobenzene               | U              |           | 0.348       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| Chlorodibromomethane        | U              |           | 0.327       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| Chloroethane                | U              | *         | 0.453       | 5.00        | 1        | 10/25/2015 06:13        | WG824208 |
| Chloroform                  | U              |           | 0.324       | 5.00        | 1        | 10/25/2015 06:13        | WG824208 |
| Chloromethane               | U              |           | 0.276       | 2.50        | 1        | 10/25/2015 06:13        | WG824208 |
| 1,2-Dibromoethane           | U              |           | 0.381       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| 1,1-Dichloroethane          | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| Isopropylbenzene            | 3.01           |           | 0.326       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| p-Isopropyltoluene          | 0.552          | U         | 0.350       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 06:13        | WG824208 |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 06:13        | WG824208 |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 06:13        | WG824208 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 06:13        | WG824208 |
| Methyl tert-butyl ether     | 4.34           |           | 0.367       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| Naphthalene                 | 16.5           |           | 1.00        | 5.00        | 1        | 10/25/2015 06:13        | WG824208 |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 06:13        | WG824208 |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| 1,2,4-Trimethylbenzene      | 52.8           |           | 0.373       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| 1,3,5-Trimethylbenzene      | 1.17           |           | 0.387       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| o-Xylene                    | 0.511          | U         | 0.341       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| m&p-Xylene                  | 1.30           |           | 0.719       | 1.00        | 1        | 10/25/2015 06:13        | WG824208 |
| Xylenes, Total              | 1.81           | U         | 1.06        | 3.00        | 1        | 10/25/2015 06:13        | WG824208 |
| (S) Toluene-d8              | 101            |           |             | 90.0-115    |          | 10/25/2015 06:13        | WG824208 |
| (S) Dibromofluoromethane    | 98.3           |           |             | 79.0-121    |          | 10/25/2015 06:13        | WG824208 |
| (S) 4-Bromofluorobenzene    | 101            |           |             | 80.1-120    |          | 10/25/2015 06:13        | WG824208 |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) High Fraction | 646            |           | 24.7        | 100         | 1        | 10/27/2015 06:10        | WG823976 |
| (S) o-Terphenyl            | 89.5           |           |             | 50.0-150    |          | 10/27/2015 06:10        | WG823976 |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 2350000 |           | 2820 | 10000 | 1        | 10/26/2015 03:38 | <a href="#">WG824140</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 2170   |           | 197  | 1000 | 10       | 10/28/2015 19:07 | <a href="#">WG825209</a> |

## Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|------|------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Cyanide | U      |           | 1.80 | 5.00 | 1        | 10/28/2015 07:15 | <a href="#">WG824888</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 247000  |           | 1040 | 20000  | 20       | 10/24/2015 09:37 | <a href="#">WG823864</a> |
| Fluoride | 467     |           | 9.90 | 100    | 1        | 10/24/2015 08:35 | <a href="#">WG823864</a> |
| Sulfate  | 1340000 |           | 1550 | 100000 | 20       | 10/24/2015 09:37 | <a href="#">WG823864</a> |

## Mercury by Method 7470A

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|--------|-------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l   | ug/l  |          | date / time      |                          |
| Mercury | U      |           | 0.0490 | 0.200 | 1        | 10/22/2015 18:07 | <a href="#">WG823720</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 1.85   | J         | 0.250 | 2.00 | 1        | 10/28/2015 14:39 | <a href="#">WG824700</a> |
| Barium    | 13.4   |           | 0.360 | 5.00 | 1        | 10/28/2015 14:39 | <a href="#">WG824700</a> |
| Calcium   | 410000 |           | 46.0  | 1000 | 1        | 10/28/2015 14:39 | <a href="#">WG824700</a> |
| Chromium  | 0.703  | J         | 0.540 | 2.00 | 1        | 10/28/2015 14:39 | <a href="#">WG824700</a> |
| Iron      | U      |           | 15.0  | 100  | 1        | 10/28/2015 14:39 | <a href="#">WG824700</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/28/2015 14:39 | <a href="#">WG824700</a> |
| Manganese | 0.257  | J         | 0.250 | 5.00 | 1        | 10/28/2015 14:39 | <a href="#">WG824700</a> |
| Nickel    | U      |           | 0.350 | 2.00 | 1        | 10/28/2015 14:39 | <a href="#">WG824700</a> |
| Potassium | 2070   |           | 37.0  | 1000 | 1        | 10/28/2015 14:39 | <a href="#">WG824700</a> |
| Selenium  | 7.69   |           | 0.380 | 2.00 | 1        | 10/28/2015 14:39 | <a href="#">WG824700</a> |
| Sodium    | 80600  |           | 110   | 1000 | 1        | 10/28/2015 14:39 | <a href="#">WG824700</a> |
| Vanadium  | 8.12   |           | 0.180 | 5.00 | 1        | 10/28/2015 14:39 | <a href="#">WG824700</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/28/2015 10:36 | <a href="#">WG825076</a> |
| (S) a,a,a-Trifluorotoluene(FID) 92.5 |        |           |      | 62.0-128 |          | 10/28/2015 10:36 | <a href="#">WG825076</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/25/2015 06:37 | <a href="#">WG824208</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/25/2015 06:37 | <a href="#">WG824208</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/25/2015 06:37 | <a href="#">WG824208</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| Bromoform                   | U              |           | 0.469       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| Bromomethane                | U              |           | 0.866       | 5.00        | 1        | 10/25/2015 06:37        | WG824208 |
| n-Butylbenzene              | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| sec-Butylbenzene            | U              |           | 0.365       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| Carbon disulfide            | U              |           | 0.275       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| Carbon tetrachloride        | U              |           | 0.379       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| Chlorobenzene               | U              |           | 0.348       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| Chlorodibromomethane        | U              |           | 0.327       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| Chloroethane                | U              | *         | 0.453       | 5.00        | 1        | 10/25/2015 06:37        | WG824208 |
| Chloroform                  | U              |           | 0.324       | 5.00        | 1        | 10/25/2015 06:37        | WG824208 |
| Chloromethane               | U              |           | 0.276       | 2.50        | 1        | 10/25/2015 06:37        | WG824208 |
| 1,2-Dibromoethane           | U              |           | 0.381       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| 1,1-Dichloroethane          | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/25/2015 06:37        | WG824208 |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/25/2015 06:37        | WG824208 |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 06:37        | WG824208 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/25/2015 06:37        | WG824208 |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/25/2015 06:37        | WG824208 |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/25/2015 06:37        | WG824208 |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| 1,2,4-Trimethylbenzene      | 0.489          | J         | 0.373       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/25/2015 06:37        | WG824208 |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/25/2015 06:37        | WG824208 |
| (S) Toluene-d8              | 101            |           |             | 90.0-115    |          | 10/25/2015 06:37        | WG824208 |
| (S) Dibromofluoromethane    | 97.7           |           |             | 79.0-121    |          | 10/25/2015 06:37        | WG824208 |
| (S) 4-Bromofluorobenzene    | 101            |           |             | 80.1-120    |          | 10/25/2015 06:37        | WG824208 |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) High Fraction | U              |           | 24.7        | 100         | 1        | 10/27/2015 06:28        | WG823976 |
| (S) o-Terphenyl            | 103            |           |             | 50.0-150    |          | 10/27/2015 06:28        | WG823976 |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 4580000 |           | 2820 | 10000 | 1        | 10/26/2015 03:37 | <a href="#">WG824140</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 666    | J         | 197  | 1000 | 10       | 10/28/2015 19:08 | <a href="#">WG825209</a> |

## Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|------|------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Cyanide | U      |           | 1.80 | 5.00 | 1        | 10/28/2015 07:16 | <a href="#">WG824888</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 539000  |           | 1040 | 20000  | 20       | 10/24/2015 09:53 | <a href="#">WG823864</a> |
| Fluoride | 1150    |           | 9.90 | 100    | 1        | 10/24/2015 08:51 | <a href="#">WG823864</a> |
| Sulfate  | 2800000 |           | 7740 | 500000 | 100      | 10/28/2015 11:10 | <a href="#">WG824952</a> |

## Mercury by Method 7470A

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|--------|-------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l   | ug/l  |          | date / time      |                          |
| Mercury | U      |           | 0.0490 | 0.200 | 1        | 10/22/2015 18:10 | <a href="#">WG823720</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 4.16   |           | 0.250 | 2.00 | 1        | 10/28/2015 15:26 | <a href="#">WG824700</a> |
| Barium    | 9.49   |           | 0.360 | 5.00 | 1        | 10/28/2015 15:26 | <a href="#">WG824700</a> |
| Calcium   | 549000 |           | 46.0  | 1000 | 1        | 10/28/2015 15:26 | <a href="#">WG824700</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/28/2015 15:26 | <a href="#">WG824700</a> |
| Iron      | 38.7   | J         | 15.0  | 100  | 1        | 10/28/2015 15:26 | <a href="#">WG824700</a> |
| Lead      | 0.260  | J         | 0.240 | 2.00 | 1        | 10/28/2015 15:26 | <a href="#">WG824700</a> |
| Manganese | 439    |           | 0.250 | 5.00 | 1        | 10/28/2015 15:26 | <a href="#">WG824700</a> |
| Nickel    | 8.46   |           | 0.350 | 2.00 | 1        | 10/28/2015 15:26 | <a href="#">WG824700</a> |
| Potassium | 1090   |           | 37.0  | 1000 | 1        | 10/28/2015 15:26 | <a href="#">WG824700</a> |
| Selenium  | 0.753  | J         | 0.380 | 2.00 | 1        | 10/28/2015 15:26 | <a href="#">WG824700</a> |
| Sodium    | 230000 |           | 110   | 1000 | 1        | 10/28/2015 15:26 | <a href="#">WG824700</a> |
| Vanadium  | 20.9   |           | 0.180 | 5.00 | 1        | 10/28/2015 15:26 | <a href="#">WG824700</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/28/2015 14:58 | <a href="#">WG825015</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/28/2015 14:58 | <a href="#">WG825015</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/28/2015 14:58 | <a href="#">WG825015</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/28/2015 14:58 | <a href="#">WG825015</a> |
| Bromomethane         | U      |           | 0.866 | 5.00 | 1        | 10/28/2015 14:58 | <a href="#">WG825015</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/28/2015 14:58 | <a href="#">WG825015</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/28/2015 14:58 | <a href="#">WG825015</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/28/2015 14:58 | <a href="#">WG825015</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/28/2015 14:58 | <a href="#">WG825015</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/28/2015 14:58 | <a href="#">WG825015</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| Chlorodibromomethane        | U              |           | 0.327       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| Chloroethane                | U              |           | 0.453       | 5.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| Chloroform                  | U              |           | 0.324       | 5.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| Chloromethane               | U              |           | 0.276       | 2.50        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| 1,2-Dibromoethane           | U              |           | 0.381       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| 1,1-Dichloroethane          | U              |           | 0.259       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| (S) Toluene-d8              | 104            |           |             | 90.0-115    |          | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| (S) Dibromofluoromethane    | 101            |           |             | 79.0-121    |          | 10/28/2015 14:58        | <a href="#">WG825015</a> |
| (S) 4-Bromofluorobenzene    | 105            |           |             | 80.1-120    |          | 10/28/2015 14:58        | <a href="#">WG825015</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 114            |           | 24.7        | 100         | 1        | 10/27/2015 06:45        | <a href="#">WG823976</a> |
| (S) o-Terphenyl            | 86.7           |           |             | 50.0-150    |          | 10/27/2015 06:45        | <a href="#">WG823976</a> |

Method Blank (MB)

(MB) 10/25/15 01:45

|                  | MB Result | MB Qualifier | MB MDL | MB RDL |
|------------------|-----------|--------------|--------|--------|
| Analyte          | mg/l      |              | mg/l   | mg/l   |
| Dissolved Solids | U         |              | 2.82   | 10.0   |

|   |    |
|---|----|
| 1 | Cp |
| 2 | Tc |
| 3 | Ss |
| 4 | Cn |
| 5 | Sr |
| 6 | Qc |
| 7 | Gl |
| 8 | Al |
| 9 | Sc |

L795831-09 Original Sample (OS) • Duplicate (DUP)

(OS) 10/25/15 01:43 • (DUP) 10/25/15 01:45

|                  | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte          | mg/l            | mg/l       |          | %       |               | %              |
| Dissolved Solids | 30.0            | 30.0       | 1        | 0.000   |               | 5              |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/25/15 01:43 • (LCSD) 10/25/15 01:43

|                  | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD   | RPD Limits |
|------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| Analyte          | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %     | %          |
| Dissolved Solids | 8800         | 8250       | 8290        | 93.8     | 94.2      | 85.0-115    |               |                | 0.484 | 5          |



Method Blank (MB)

(MB) 10/25/15 01:54

| Analyte          | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|------------------|-------------------|--------------|----------------|----------------|
| Dissolved Solids | U                 |              | 2.82           | 10.0           |

L795831-15 Original Sample (OS) • Duplicate (DUP)

(OS) 10/25/15 01:52 • (DUP) 10/25/15 01:53

| Analyte          | Original Result<br>mg/l | DUP Result<br>mg/l | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD Limits<br>% |
|------------------|-------------------------|--------------------|----------|--------------|---------------|---------------------|
| Dissolved Solids | 4060                    | 4180               | 1        | 2.79         |               | 5                   |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/25/15 01:51 • (LCSD) 10/25/15 01:51

| Analyte          | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Dissolved Solids | 8800                 | 8280               | 8350                | 94.1          | 94.9           | 85.0-115         |               |                | 0.842    | 5               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 10/26/15 03:39

|                  | MB Result | MB Qualifier | MB MDL | MB RDL |
|------------------|-----------|--------------|--------|--------|
| Analyte          | mg/l      |              | mg/l   | mg/l   |
| Dissolved Solids | U         |              | 2.82   | 10.0   |

L795831-16 Original Sample (OS) • Duplicate (DUP)

(OS) 10/26/15 03:37 • (DUP) 10/26/15 03:37

|                  | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte          | mg/l            | mg/l       |          | %       |               | %              |
| Dissolved Solids | 1900            | 1920       | 1        | 1.05    |               | 5              |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/26/15 03:37 • (LCSD) 10/26/15 03:36

|                  | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD   | RPD Limits |
|------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| Analyte          | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %     | %          |
| Dissolved Solids | 8800         | 8120       | 8190        | 92.3     | 93.1      | 85.0-115    |               |                | 0.858 | 5          |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 10/28/15 18:36

|                 | MB Result | MB Qualifier | MB MDL | MB RDL |
|-----------------|-----------|--------------|--------|--------|
| Analyte         | mg/l      |              | mg/l   | mg/l   |
| Nitrate-Nitrite | 0.0210    |              | 0.0197 | 0.100  |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L795831-16 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 19:03 • (DUP) 10/28/15 19:04

|                 | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|-----------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte         | mg/l            | mg/l       |          | %       |               | %              |
| Nitrate-Nitrite | ND              | ND         | 10       | 0.000   | J             | 20             |

L795831-06 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 18:46 • (DUP) 10/28/15 18:47

|                 | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|-----------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte         | mg/l            | mg/l       |          | %       |               | %              |
| Nitrate-Nitrite | 3.33            | 3.02       | 10       | 9.00    |               | 20             |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 18:39 • (LCSD) 10/28/15 18:40

|                 | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD  | RPD Limits |
|-----------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|------|------------|
| Analyte         | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %    | %          |
| Nitrate-Nitrite | 5.00         | 4.93       | 4.99        | 99.0     | 100       | 90.0-110    |               |                | 1.00 | 20         |

L795831-11 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/28/15 18:52 • (MS) 10/28/15 18:54

|                 | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|-----------------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Analyte         | mg/l         | mg/l            | mg/l      | %       |          | %           |              |
| Nitrate-Nitrite | 0.500        | 0.102           | 21.1      | 42.0    | 10       | 90.0-110    | F            |



L796176-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 19:09 • (MS) 10/28/15 19:10 • (MSD) 10/28/15 19:11

| Analyte         | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Nitrate-Nitrite | 5.00                 | 0.0300                  | 5.01              | 5.01               | 100          | 100           | 1        | 90.0-110         |              |               | 0.000    | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 10/28/15 06:51

|         | MB Result | MB Qualifier | MB MDL  | MB RDL  |
|---------|-----------|--------------|---------|---------|
| Analyte | mg/l      |              | mg/l    | mg/l    |
| Cyanide | U         |              | 0.00180 | 0.00500 |

L795847-10 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 07:19 • (DUP) 10/28/15 07:20

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l            | mg/l       |          | %       |               | %              |
| Cyanide | ND              | ND         | 1        | 0.000   |               | 20             |

L795822-03 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 07:00 • (DUP) 10/28/15 07:01

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l            | mg/l       |          | %       |               | %              |
| Cyanide | ND              | ND         | 1        | 0.000   |               | 20             |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 06:54 • (LCSD) 10/28/15 06:55

|         | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD   | RPD Limits |
|---------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| Analyte | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %     | %          |
| Cyanide | 0.100        | 0.106      | 0.107       | 106      | 107       | 90.0-110    |               |                | 0.939 | 20         |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) 10/28/15 14:19

|         | MB Result | MB Qualifier | MB MDL  | MB RDL  |
|---------|-----------|--------------|---------|---------|
| Analyte | mg/l      |              | mg/l    | mg/l    |
| Cyanide | U         |              | 0.00180 | 0.00500 |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L796179-14 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 14:44 • (DUP) 10/28/15 14:45

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l            | mg/l       |          | %       |               | %              |
| Cyanide | ND              | ND         | 1        | 0.000   |               | 20             |

L796179-02 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 14:27 • (DUP) 10/28/15 14:28

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l            | mg/l       |          | %       |               | %              |
| Cyanide | ND              | 0.00500    | 1        | 200     |               | 20             |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 14:21 • (LCSD) 10/28/15 14:22

|         | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD   | RPD Limits |
|---------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| Analyte | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %     | %          |
| Cyanide | 0.100        | 0.104      | 0.104       | 104      | 104       | 90.0-110    |               |                | 0.000 | 20         |

L796179-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 14:29 • (MS) 10/28/15 14:30 • (MSD) 10/28/15 14:31

|         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte | mg/l         | mg/l            | mg/l      | mg/l       | %       | %        |          | %           |              |               | %    | %          |
| Cyanide | 0.200        | 0.000800        | 0.156     | 0.203      | 78.0    | 102      | 1        | 90.0-110    | F            |               | 26.2 | 20         |

Method Blank (MB)

(MB) 10/23/15 22:37

| Analyte  | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|----------|-------------------|--------------|----------------|----------------|
| Chloride | U                 |              | 0.0519         | 1.00           |
| Fluoride | U                 |              | 0.0099         | 0.100          |
| Sulfate  | U                 |              | 0.0774         | 5.00           |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L795822-05 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 00:32 • (DUP) 10/24/15 00:46

| Analyte  | Original Result<br>mg/l | DUP Result<br>mg/l | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD Limits<br>% |
|----------|-------------------------|--------------------|----------|--------------|---------------|---------------------|
| Chloride | 0.122                   | 0.0126             | 1        | 163          | *             | 20                  |
| Fluoride | ND                      | 0.000              | 1        | 0            |               | 20                  |
| Sulfate  | 1.97                    | -0.371             | 1        | 293          | *             | 20                  |

L795823-05 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 09:08 • (DUP) 10/24/15 09:22

| Analyte  | Original Result<br>mg/l | DUP Result<br>mg/l | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD Limits<br>% |
|----------|-------------------------|--------------------|----------|--------------|---------------|---------------------|
| Chloride | 99.7                    | 99.2               | 1        | 1            |               | 20                  |
| Fluoride | 0.0243                  | 0.0229             | 1        | 6            |               | 20                  |
| Sulfate  | 4.23                    | 4.24               | 1        | 0            |               | 20                  |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/23/15 22:51 • (LCSD) 10/23/15 23:05

| Analyte  | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Chloride | 40.0                 | 40.6               | 40.5                | 101           | 101            | 90-110           |               |                | 0        | 20              |
| Fluoride | 8.00                 | 8.11               | 8.08                | 101           | 101            | 90-110           |               |                | 0        | 20              |
| Sulfate  | 40.0                 | 40.7               | 40.6                | 102           | 101            | 90-110           |               |                | 0        | 20              |

L795822-07 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/24/15 01:01 • (MS) 10/24/15 01:42

| Analyte  | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MS Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier |
|----------|----------------------|-------------------------|-------------------|--------------|----------|------------------|--------------|
| Chloride | 50.0                 | ND                      | 51.4              | 103          | 1        | 80-120           |              |
| Fluoride | 5.00                 | ND                      | 5.18              | 104          | 1        | 80-120           |              |
| Sulfate  | 50.0                 | ND                      | 51.3              | 103          | 1        | 80-120           |              |

L795823-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/24/15 09:37 • (MS) 10/24/15 09:51 • (MSD) 10/24/15 10:06

| Analyte  | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 50.0                 | 8.62                    | 59.0              | 58.1               | 101          | 99            | 1        | 80-120           |              |               | 2        | 20              |
| Fluoride | 5.00                 | ND                      | 5.03              | 5.01               | 101          | 100           | 1        | 80-120           |              |               | 0        | 20              |
| Sulfate  | 50.0                 | ND                      | 49.8              | 49.1               | 100          | 98            | 1        | 80-120           |              |               | 1        | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc





Method Blank (MB)

(MB) 10/23/15 19:16

| Analyte  | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|----------|-------------------|--------------|----------------|----------------|
| Chloride | U                 |              | 0.0519         | 1.00           |
| Fluoride | U                 |              | 0.0099         | 0.100          |
| Sulfate  | U                 |              | 0.0774         | 5.00           |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L795831-09 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 00:09 • (DUP) 10/24/15 00:25

| Analyte  | Original Result<br>mg/l | DUP Result<br>mg/l | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD Limits<br>% |
|----------|-------------------------|--------------------|----------|--------------|---------------|---------------------|
| Chloride | 0.333                   | 0.203              | 1        | 48           | *             | 20                  |
| Fluoride | 0.000300                | 0.000              | 1        | 0            |               | 20                  |
| Sulfate  | 0.726                   | 0.287              | 1        | 87           | *             | 20                  |

L795831-14 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 03:58 • (DUP) 10/24/15 04:13

| Analyte  | Original Result<br>mg/l | DUP Result<br>mg/l | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD Limits<br>% |
|----------|-------------------------|--------------------|----------|--------------|---------------|---------------------|
| Fluoride | 1.03                    | 1.07               | 1        | 4            |               | 20                  |

L795831-14 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 05:46 • (DUP) 10/24/15 06:01

| Analyte  | Original Result<br>mg/l | DUP Result<br>mg/l | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD Limits<br>% |
|----------|-------------------------|--------------------|----------|--------------|---------------|---------------------|
| Chloride | 200                     | 197                | 20       | 1            |               | 20                  |
| Sulfate  | 1300                    | 1300               | 20       | 1            |               | 20                  |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/23/15 19:32 • (LCSD) 10/23/15 19:47

| Analyte  | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Chloride | 40.0                 | 40.2               | 40.1                | 100           | 100            | 90-110           |               |                | 0        | 20              |
| Fluoride | 8.00                 | 8.11               | 8.11                | 101           | 101            | 90-110           |               |                | 0        | 20              |



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/23/15 19:32 • (LCSD) 10/23/15 19:47

|         | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|---------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-----|------------|
| Analyte | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %   | %          |
| Sulfate | 40.0         | 40.1       | 40.8        | 100      | 102       | 90-110      |               |                | 2   | 20         |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L795831-08 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/23/15 23:38 • (MS) 10/23/15 23:54

|          | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|----------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Analyte  | mg/l         | mg/l            | mg/l      | %       |          | %           |              |
| Fluoride | 5.00         | 1.32            | 5.34      | 80      | 1        | 80-120      |              |

L795831-08 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/24/15 01:55 • (MS) 10/24/15 02:10

|          | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|----------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Analyte  | mg/l         | mg/l            | mg/l      | %       |          | %           |              |
| Chloride | 2.50         | 516             | 1510      | 100     | 20       | 80-120      |              |

L795831-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/24/15 04:29 • (MS) 10/24/15 04:44 • (MSD) 10/24/15 05:00

|          | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|----------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-----|------------|
| Analyte  | mg/l         | mg/l            | mg/l      | mg/l       | %       | %        |          | %           |              |               | %   | %          |
| Fluoride | 5.00         | 0.850           | 5.06      | 5.15       | 84      | 86       | 1        | 80-120      |              |               | 2   | 20         |

L795831-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/24/15 06:17 • (MS) 10/24/15 06:32 • (MSD) 10/24/15 06:48

|          | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|----------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-----|------------|
| Analyte  | mg/l         | mg/l            | mg/l      | mg/l       | %       | %        |          | %           |              |               | %   | %          |
| Chloride | 2.50         | 295             | 1210      | 1220       | 92      | 92       | 20       | 80-120      |              |               | 0   | 20         |

Method Blank (MB)

(MB) 10/28/15 07:18

|         | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|---------|-----------|---------------------|--------|--------|
| Analyte | mg/l      |                     | mg/l   | mg/l   |
| Sulfate | U         |                     | 0.0774 | 5.00   |

L796122-03 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 13:13 • (DUP) 10/28/15 13:29

|         | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | mg/l            | mg/l       |          | %       |                      | %              |
| Sulfate | 122             | 123        | 5        | 1       |                      | 20             |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 07:33 • (LCSD) 10/28/15 07:49

|         | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD | RPD Limits |
|---------|--------------|------------|-------------|----------|-----------|-------------|----------------------|-----------------------|-----|------------|
| Analyte | mg/l         | mg/l       | mg/l        | %        | %         | %           |                      |                       | %   | %          |
| Sulfate | 40.0         | 40.1       | 40.1        | 100      | 100       | 90-110      |                      |                       | 0   | 20         |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 10/22/15 17:16

| Analyte | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|---------|-------------------|--------------|----------------|----------------|
| Mercury | U                 |              | 0.000049       | 0.000200       |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/22/15 17:18 • (LCSD) 10/22/15 17:21

| Analyte | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Mercury | 0.00300              | 0.00287            | 0.00299             | 96            | 100            | 80-120           |               |                | 4        | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 11/09/15 11:00

|         | MB Result | <u>MB Qualifier</u> | MB MDL   | MB RDL   |
|---------|-----------|---------------------|----------|----------|
| Analyte | mg/l      |                     | mg/l     | mg/l     |
| Mercury | U         |                     | 0.000049 | 0.000200 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/09/15 11:02 • (LCSD) 11/09/15 11:04

|         | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD | RPD Limits |
|---------|--------------|------------|-------------|----------|-----------|-------------|----------------------|-----------------------|-----|------------|
| Analyte | mg/l         | mg/l       | mg/l        | %        | %         | %           |                      |                       | %   | %          |
| Mercury | 0.00300      | 0.00340    | 0.00338     | 113      | 113       | 80-120      |                      |                       | 0   | 20         |

L799104-28 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/09/15 11:07 • (MS) 11/09/15 11:13 • (MSD) 11/09/15 11:16

|         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|---------------------|----------------------|-----|------------|
| Analyte | mg/l         | mg/l            | mg/l      | mg/l       | %       | %        |          | %           |                     |                      | %   | %          |
| Mercury | 0.00300      | ND              | 0.00316   | 0.00315    | 105     | 105      | 1        | 75-125      |                     |                      | 0   | 20         |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 10/28/15 13:28

| Analyte   | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|-----------|-------------------|--------------|----------------|----------------|
| Arsenic   | U                 |              | 0.00025        | 0.00200        |
| Barium    | U                 |              | 0.00036        | 0.00500        |
| Calcium   | U                 |              | 0.046          | 1.00           |
| Chromium  | U                 |              | 0.00054        | 0.00200        |
| Iron      | U                 |              | 0.015          | 0.100          |
| Lead      | U                 |              | 0.00024        | 0.00200        |
| Manganese | U                 |              | 0.00025        | 0.00500        |
| Nickel    | U                 |              | 0.00035        | 0.00200        |
| Potassium | U                 |              | 0.037          | 1.00           |
| Selenium  | U                 |              | 0.00038        | 0.00200        |
| Sodium    | 0.123             |              | 0.11           | 1.00           |
| Vanadium  | 0.000795          |              | 0.00018        | 0.00500        |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 13:31 • (LCSD) 10/28/15 13:33

| Analyte   | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Arsenic   | 0.0500               | 0.0490             | 0.0500              | 98            | 100            | 80-120           |               |                | 2        | 20              |
| Barium    | 0.0500               | 0.0503             | 0.0497              | 101           | 99             | 80-120           |               |                | 1        | 20              |
| Calcium   | 5.00                 | 4.82               | 4.83                | 96            | 97             | 80-120           |               |                | 0        | 20              |
| Chromium  | 0.0500               | 0.0506             | 0.0488              | 101           | 98             | 80-120           |               |                | 4        | 20              |
| Iron      | 5.00                 | 4.91               | 4.86                | 98            | 97             | 80-120           |               |                | 1        | 20              |
| Lead      | 0.0500               | 0.0497             | 0.0496              | 99            | 99             | 80-120           |               |                | 0        | 20              |
| Manganese | 0.0500               | 0.0491             | 0.0485              | 98            | 97             | 80-120           |               |                | 1        | 20              |
| Nickel    | 0.0500               | 0.0504             | 0.0496              | 101           | 99             | 80-120           |               |                | 2        | 20              |
| Potassium | 5.00                 | 4.92               | 4.75                | 98            | 95             | 80-120           |               |                | 4        | 20              |
| Selenium  | 0.0500               | 0.0482             | 0.0487              | 96            | 97             | 80-120           |               |                | 1        | 20              |
| Sodium    | 5.00                 | 5.26               | 5.15                | 105           | 103            | 80-120           |               |                | 2        | 20              |
| Vanadium  | 0.0500               | 0.0503             | 0.0492              | 101           | 98             | 80-120           |               |                | 2        | 20              |



L795831-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 13:35 • (MS) 10/28/15 13:40 • (MSD) 10/28/15 13:42

| Analyte   | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Arsenic   | 0.0500               | 0.00883                 | 0.0592            | 0.0591             | 101          | 101           | 1        | 75-125           |              |               | 0        | 20              |
| Barium    | 0.0500               | 0.0126                  | 0.0622            | 0.0612             | 99           | 97            | 1        | 75-125           |              |               | 2        | 20              |
| Calcium   | 5.00                 | 481                     | 482               | 474                | 6            | 0             | 1        | 75-125           | 4            | 4             | 2        | 20              |
| Chromium  | 0.0500               | 0.000384                | 0.0471            | 0.0470             | 93           | 93            | 1        | 75-125           |              |               | 0        | 20              |
| Potassium | 5.00                 | 2.07                    | 6.77              | 6.72               | 94           | 93            | 1        | 75-125           |              |               | 1        | 20              |
| Iron      | 5.00                 | 1.56                    | 6.05              | 6.01               | 90           | 89            | 1        | 75-125           |              |               | 1        | 20              |
| Lead      | 0.0500               | 0.000116                | 0.0482            | 0.0484             | 96           | 97            | 1        | 75-125           |              |               | 1        | 20              |
| Manganese | 0.0500               | 0.0504                  | 0.0960            | 0.0945             | 91           | 88            | 1        | 75-125           |              |               | 2        | 20              |
| Nickel    | 0.0500               | 0.00576                 | 0.0521            | 0.0509             | 93           | 90            | 1        | 75-125           |              |               | 2        | 20              |
| Selenium  | 0.0500               | 0.0334                  | 0.0841            | 0.0822             | 101          | 98            | 1        | 75-125           |              |               | 2        | 20              |
| Sodium    | 5.00                 | 135                     | 136               | 136                | 28           | 19            | 1        | 75-125           | 4            | 4             | 0        | 20              |
| Vanadium  | 0.0500               | 0.0701                  | 0.116             | 0.116              | 93           | 93            | 1        | 75-125           |              |               | 0        | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 10/27/15 06:55

| Analyte                         | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|---------------------------------|-------------------|--------------|----------------|----------------|
| TPH (GC/FID) Low Fraction       | U                 |              | 0.0314         | 0.100          |
| (S) a,a,a-Trifluorotoluene(FID) | 97.2              |              |                | 62.0-128       |

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 05:49 • (LCSD) 10/27/15 06:10

| Analyte                         | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH (GC/FID) Low Fraction       | 5.50                 | 5.38               | 5.68                | 97.7          | 103            | 67.0-132         |               |                | 5.50     | 20              |
| (S) a,a,a-Trifluorotoluene(FID) |                      |                    |                     | 96.0          | 99.1           | 62.0-128         |               |                |          |                 |

L795810-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/27/15 09:06 • (MS) 10/27/15 07:59 • (MSD) 10/27/15 08:21

| Analyte                         | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction       | 5.50                 | ND                      | 5.31              | 5.31               | 96.5         | 96.5          | 1        | 50.0-143         |              |               | 0.0800   | 20              |
| (S) a,a,a-Trifluorotoluene(FID) |                      |                         |                   |                    | 95.7         | 97.4          |          | 62.0-128         |              |               |          |                 |



Method Blank (MB)

(MB) 10/26/15 08:11

| Analyte                         | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------------|-----------|--------------|--------|----------|
|                                 | mg/l      |              | mg/l   | mg/l     |
| TPH (GC/FID) Low Fraction       | U         |              | 0.0314 | 0.100    |
| (S) a,a,a-Trifluorotoluene(FID) | 97.7      |              |        | 62.0-128 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/26/15 07:05 • (LCSD) 10/26/15 07:27

| Analyte                         | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD   | RPD Limits |
|---------------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
|                                 | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %     | %          |
| TPH (GC/FID) Low Fraction       | 5.50         | 5.62       | 5.60        | 102      | 102       | 67.0-132    |               |                | 0.350 | 20         |
| (S) a,a,a-Trifluorotoluene(FID) |              |            |             | 97.7     | 97.6      | 62.0-128    |               |                |       |            |

L795831-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/26/15 09:44 • (MS) 10/26/15 11:56 • (MSD) 10/26/15 12:18

| Analyte                         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD   | RPD Limits |
|---------------------------------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
|                                 | mg/l         | mg/l            | mg/l      | mg/l       | %       | %        |          | %           |              |               | %     | %          |
| TPH (GC/FID) Low Fraction       | 5.50         | ND              | 5.64      | 5.70       | 103     | 104      | 1        | 50.0-143    |              |               | 0.920 | 20         |
| (S) a,a,a-Trifluorotoluene(FID) |              |                 |           |            | 93.8    | 93.3     |          | 62.0-128    |              |               |       |            |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 10/27/15 06:50

| Analyte                         | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------------|-----------|--------------|--------|----------|
|                                 | mg/l      |              | mg/l   | mg/l     |
| TPH (GC/FID) Low Fraction       | U         |              | 0.0314 | 0.100    |
| (S) a,a,a-Trifluorotoluene(FID) | 91.8      |              |        | 62.0-128 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 05:43 • (LCSD) 10/27/15 06:05

| Analyte                         | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD  | RPD Limits |
|---------------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|------|------------|
|                                 | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %    | %          |
| TPH (GC/FID) Low Fraction       | 5.50         | 5.81       | 5.98        | 106      | 109       | 67.0-132    |               |                | 2.85 | 20         |
| (S) a,a,a-Trifluorotoluene(FID) |              |            |             | 100      | 102       | 62.0-128    |               |                |      |            |

L796143-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/27/15 09:05 • (MS) 10/27/15 07:59 • (MSD) 10/27/15 08:21

| Analyte                         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD   | RPD Limits |
|---------------------------------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
|                                 | mg/l         | mg/l            | mg/l      | mg/l       | %       | %        |          | %           |              |               | %     | %          |
| TPH (GC/FID) Low Fraction       | 5.50         | 1.24            | 6.16      | 6.15       | 89.5    | 89.3     | 1        | 50.0-143    |              |               | 0.170 | 20         |
| (S) a,a,a-Trifluorotoluene(FID) |              |                 |           |            | 99.3    | 99.2     |          | 62.0-128    |              |               |       |            |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 10/28/15 09:14

| Analyte                         | MB Result | MB Qualifier | MB MDL | MB RDL   |
|---------------------------------|-----------|--------------|--------|----------|
|                                 | mg/l      |              | mg/l   | mg/l     |
| TPH (GC/FID) Low Fraction       | U         |              | 0.0314 | 0.100    |
| (S) a,a,a-Trifluorotoluene(FID) | 98.8      |              |        | 62.0-128 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 06:58 • (LCSD) 10/28/15 07:20

| Analyte                         | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD  | RPD Limits |
|---------------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|------|------------|
|                                 | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %    | %          |
| TPH (GC/FID) Low Fraction       | 5.50         | 5.15       | 5.55        | 93.7     | 101       | 67.0-132    |               |                | 7.38 | 20         |
| (S) a,a,a-Trifluorotoluene(FID) |              |            |             | 95.7     | 97.2      | 62.0-128    |               |                |      |            |

L796154-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 12:33 • (MS) 10/28/15 07:42 • (MSD) 10/28/15 08:04

| Analyte                         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|---------------------------------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
|                                 | mg/l         | mg/l            | mg/l      | mg/l       | %       | %        |          | %           |              |               | %    | %          |
| TPH (GC/FID) Low Fraction       | 5.50         | 13.2            | 15.8      | 16.3       | 47.7    | 56.6     | 1        | 50.0-143    | F            |               | 3.05 | 20         |
| (S) a,a,a-Trifluorotoluene(FID) |              |                 |           |            | 101     | 100      |          | 62.0-128    |              |               |      |            |



Method Blank (MB)

(MB) 10/28/15 08:32

| Analyte                         | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|---------------------------------|-------------------|--------------|----------------|----------------|
| TPH (GC/FID) Low Fraction       | U                 |              | 0.0314         | 0.100          |
| (S) a,a,a-Trifluorotoluene(FID) | 92.5              |              |                | 62.0-128       |

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 07:26 • (LCSD) 10/28/15 07:48

| Analyte                         | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH (GC/FID) Low Fraction       | 5.50                 | 4.88               | 4.90                | 88.7          | 89.2           | 67.0-132         |               |                | 0.570    | 20              |
| (S) a,a,a-Trifluorotoluene(FID) |                      |                    |                     | 100           | 100            | 62.0-128         |               |                |          |                 |

L796056-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 12:27 • (MS) 10/28/15 09:07 • (MSD) 10/28/15 09:30

| Analyte                         | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction       | 5.50                 | 0.727                   | 5.15              | 5.54               | 80.4         | 87.5          | 1        | 50.0-143         |              |               | 7.35     | 20              |
| (S) a,a,a-Trifluorotoluene(FID) |                      |                         |                   |                    | 99.4         | 101           |          | 62.0-128         |              |               |          |                 |



Method Blank (MB)

(MB) 10/24/15 21:37

| Analyte                     | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Acetone                     | U                 |              | 0.0100         | 0.0500         |
| Benzene                     | U                 |              | 0.000331       | 0.00100        |
| Bromodichloromethane        | U                 |              | 0.000380       | 0.00100        |
| Bromoform                   | U                 |              | 0.000469       | 0.00100        |
| Bromomethane                | U                 |              | 0.000866       | 0.00500        |
| n-Butylbenzene              | U                 |              | 0.000361       | 0.00100        |
| sec-Butylbenzene            | U                 |              | 0.000365       | 0.00100        |
| Carbon disulfide            | U                 |              | 0.000275       | 0.00100        |
| Carbon tetrachloride        | U                 |              | 0.000379       | 0.00100        |
| Chlorobenzene               | U                 |              | 0.000348       | 0.00100        |
| Chlorodibromomethane        | U                 |              | 0.000327       | 0.00100        |
| Chloroethane                | U                 |              | 0.000453       | 0.00500        |
| Chloroform                  | U                 |              | 0.000324       | 0.00500        |
| Chloromethane               | U                 |              | 0.000276       | 0.00250        |
| 1,2-Dibromoethane           | U                 |              | 0.000381       | 0.00100        |
| 1,1-Dichloroethane          | U                 |              | 0.000259       | 0.00100        |
| 1,2-Dichloroethane          | U                 |              | 0.000361       | 0.00100        |
| 1,1-Dichloroethene          | U                 |              | 0.000398       | 0.00100        |
| cis-1,2-Dichloroethene      | U                 |              | 0.000260       | 0.00100        |
| trans-1,2-Dichloroethene    | U                 |              | 0.000396       | 0.00100        |
| 1,2-Dichloropropane         | U                 |              | 0.000306       | 0.00100        |
| cis-1,3-Dichloropropene     | U                 |              | 0.000418       | 0.00100        |
| trans-1,3-Dichloropropene   | U                 |              | 0.000419       | 0.00100        |
| Ethylbenzene                | U                 |              | 0.000384       | 0.00100        |
| 2-Hexanone                  | U                 |              | 0.00382        | 0.0100         |
| Isopropylbenzene            | U                 |              | 0.000326       | 0.00100        |
| p-Isopropyltoluene          | U                 |              | 0.000350       | 0.00100        |
| 2-Butanone (MEK)            | U                 |              | 0.00393        | 0.0100         |
| Methylene Chloride          | U                 |              | 0.00100        | 0.00500        |
| 4-Methyl-2-pentanone (MIBK) | U                 |              | 0.00214        | 0.0100         |
| Methyl tert-butyl ether     | U                 |              | 0.000367       | 0.00100        |
| Naphthalene                 | U                 |              | 0.00100        | 0.00500        |
| n-Propylbenzene             | U                 |              | 0.000349       | 0.00100        |
| Styrene                     | U                 |              | 0.000307       | 0.00100        |
| 1,1,1,2-Tetrachloroethane   | U                 |              | 0.000385       | 0.00100        |
| 1,1,2,2-Tetrachloroethane   | U                 |              | 0.000130       | 0.00100        |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) 10/24/15 21:37

| Analyte                  | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|--------------------------|-------------------|--------------|----------------|----------------|
| Tetrachloroethene        | U                 |              | 0.000372       | 0.00100        |
| Toluene                  | U                 |              | 0.000780       | 0.00500        |
| 1,1,1-Trichloroethane    | U                 |              | 0.000319       | 0.00100        |
| 1,1,2-Trichloroethane    | U                 |              | 0.000383       | 0.00100        |
| Trichloroethene          | U                 |              | 0.000398       | 0.00100        |
| 1,2,4-Trimethylbenzene   | U                 |              | 0.000373       | 0.00100        |
| 1,3,5-Trimethylbenzene   | U                 |              | 0.000387       | 0.00100        |
| Vinyl chloride           | U                 |              | 0.000259       | 0.00100        |
| Xylenes, Total           | U                 |              | 0.00106        | 0.00300        |
| o-Xylene                 | U                 |              | 0.000341       | 0.00100        |
| m&p-Xylenes              | U                 |              | 0.000719       | 0.00100        |
| (S) Toluene-d8           | 108               |              |                | 90.0-115       |
| (S) Dibromofluoromethane | 98.6              |              |                | 79.0-121       |
| (S) 4-Bromofluorobenzene | 103               |              |                | 80.1-120       |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/24/15 20:01 • (LCSD) 10/24/15 20:25

| Analyte              | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone              | 0.125                | 0.119              | 0.124               | 95.3          | 99.3           | 28.7-175         |               |                | 4.10     | 20.9            |
| Benzene              | 0.0250               | 0.0261             | 0.0276              | 104           | 110            | 73.0-122         |               |                | 5.57     | 20              |
| Bromodichloromethane | 0.0250               | 0.0256             | 0.0267              | 102           | 107            | 75.5-121         |               |                | 4.20     | 20              |
| Bromoform            | 0.0250               | 0.0249             | 0.0260              | 99.7          | 104            | 71.5-131         |               |                | 4.19     | 20              |
| Bromomethane         | 0.0250               | 0.0309             | 0.0307              | 124           | 123            | 22.4-187         |               |                | 0.690    | 20              |
| n-Butylbenzene       | 0.0250               | 0.0277             | 0.0275              | 111           | 110            | 75.9-134         |               |                | 0.700    | 20              |
| sec-Butylbenzene     | 0.0250               | 0.0262             | 0.0285              | 105           | 114            | 80.6-126         |               |                | 8.47     | 20              |
| Carbon disulfide     | 0.0250               | 0.0250             | 0.0275              | 100           | 110            | 53.0-134         |               |                | 9.32     | 20              |
| Carbon tetrachloride | 0.0250               | 0.0264             | 0.0282              | 106           | 113            | 70.9-129         |               |                | 6.64     | 20              |
| Chlorobenzene        | 0.0250               | 0.0261             | 0.0277              | 104           | 111            | 79.7-122         |               |                | 5.79     | 20              |
| Chlorodibromomethane | 0.0250               | 0.0246             | 0.0254              | 98.4          | 102            | 78.2-124         |               |                | 3.12     | 20              |
| Chloroethane         | 0.0250               | 0.0427             | 0.0437              | 171           | 175            | 41.2-153         | *             | *              | 2.43     | 20              |
| Chloroform           | 0.0250               | 0.0255             | 0.0271              | 102           | 108            | 73.2-125         |               |                | 6.23     | 20              |
| Chloromethane        | 0.0250               | 0.0213             | 0.0224              | 85.3          | 89.4           | 55.8-134         |               |                | 4.70     | 20              |
| 1,2-Dibromoethane    | 0.0250               | 0.0246             | 0.0263              | 98.5          | 105            | 79.8-122         |               |                | 6.39     | 20              |
| 1,1-Dichloroethane   | 0.0250               | 0.0263             | 0.0276              | 105           | 110            | 71.7-127         |               |                | 4.78     | 20              |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/24/15 20:01 • (LCSD) 10/24/15 20:25

| Analyte                     | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| 1,2-Dichloroethane          | 0.0250               | 0.0239             | 0.0256              | 95.5          | 102            | 65.3-126         |               |                | 6.88     | 20              |
| 1,1-Dichloroethene          | 0.0250               | 0.0262             | 0.0277              | 105           | 111            | 59.9-137         |               |                | 5.75     | 20              |
| cis-1,2-Dichloroethene      | 0.0250               | 0.0258             | 0.0269              | 103           | 107            | 77.3-122         |               |                | 3.91     | 20              |
| trans-1,2-Dichloroethene    | 0.0250               | 0.0264             | 0.0277              | 105           | 111            | 72.6-125         |               |                | 5.01     | 20              |
| 1,2-Dichloropropane         | 0.0250               | 0.0258             | 0.0271              | 103           | 108            | 77.4-125         |               |                | 5.13     | 20              |
| cis-1,3-Dichloropropene     | 0.0250               | 0.0256             | 0.0271              | 102           | 108            | 77.7-124         |               |                | 5.59     | 20              |
| trans-1,3-Dichloropropene   | 0.0250               | 0.0257             | 0.0270              | 103           | 108            | 73.5-127         |               |                | 5.19     | 20              |
| Ethylbenzene                | 0.0250               | 0.0262             | 0.0276              | 105           | 110            | 80.9-121         |               |                | 5.25     | 20              |
| 2-Hexanone                  | 0.125                | 0.119              | 0.128               | 95.2          | 103            | 59.4-151         |               |                | 7.56     | 20              |
| Isopropylbenzene            | 0.0250               | 0.0261             | 0.0283              | 105           | 113            | 81.6-124         |               |                | 7.89     | 20              |
| p-Isopropyltoluene          | 0.0250               | 0.0258             | 0.0271              | 103           | 109            | 77.6-129         |               |                | 4.85     | 20              |
| 2-Butanone (MEK)            | 0.125                | 0.126              | 0.131               | 101           | 105            | 46.4-155         |               |                | 3.32     | 20              |
| Methylene Chloride          | 0.0250               | 0.0259             | 0.0274              | 103           | 110            | 69.5-120         |               |                | 5.91     | 20              |
| 4-Methyl-2-pentanone (MIBK) | 0.125                | 0.119              | 0.130               | 95.6          | 104            | 63.3-138         |               |                | 8.37     | 20              |
| Methyl tert-butyl ether     | 0.0250               | 0.0258             | 0.0256              | 103           | 102            | 70.1-125         |               |                | 0.630    | 20              |
| Naphthalene                 | 0.0250               | 0.0271             | 0.0260              | 109           | 104            | 69.7-134         |               |                | 4.40     | 20              |
| n-Propylbenzene             | 0.0250               | 0.0261             | 0.0273              | 104           | 109            | 81.9-122         |               |                | 4.64     | 20              |
| Styrene                     | 0.0250               | 0.0271             | 0.0288              | 108           | 115            | 79.9-124         |               |                | 6.05     | 20              |
| 1,1,1,2-Tetrachloroethane   | 0.0250               | 0.0253             | 0.0264              | 101           | 106            | 78.5-125         |               |                | 4.35     | 20              |
| 1,1,2,2-Tetrachloroethane   | 0.0250               | 0.0254             | 0.0262              | 102           | 105            | 79.3-123         |               |                | 2.97     | 20              |
| Tetrachloroethene           | 0.0250               | 0.0256             | 0.0263              | 102           | 105            | 73.5-130         |               |                | 2.89     | 20              |
| Toluene                     | 0.0250               | 0.0255             | 0.0263              | 102           | 105            | 77.9-116         |               |                | 2.96     | 20              |
| 1,1,1-Trichloroethane       | 0.0250               | 0.0260             | 0.0277              | 104           | 111            | 71.1-129         |               |                | 6.26     | 20              |
| 1,1,2-Trichloroethane       | 0.0250               | 0.0251             | 0.0261              | 100           | 104            | 81.6-120         |               |                | 3.80     | 20              |
| Trichloroethene             | 0.0250               | 0.0247             | 0.0260              | 98.7          | 104            | 79.5-121         |               |                | 5.15     | 20              |
| 1,2,4-Trimethylbenzene      | 0.0250               | 0.0265             | 0.0279              | 106           | 111            | 79.0-122         |               |                | 4.93     | 20              |
| 1,3,5-Trimethylbenzene      | 0.0250               | 0.0265             | 0.0269              | 106           | 108            | 81.0-123         |               |                | 1.24     | 20              |
| Vinyl chloride              | 0.0250               | 0.0261             | 0.0275              | 105           | 110            | 61.5-134         |               |                | 4.94     | 20              |
| Xylenes, Total              | 0.0750               | 0.0758             | 0.0822              | 101           | 110            | 79.2-122         |               |                | 8.16     | 20              |
| o-Xylene                    | 0.0250               | 0.0257             | 0.0273              | 103           | 109            | 79.1-123         |               |                | 6.33     | 20              |
| m&p-Xylenes                 | 0.0500               | 0.0501             | 0.0549              | 100           | 110            | 78.5-122         |               |                | 9.09     | 20              |
| (S) Toluene-d8              |                      |                    |                     | 106           | 104            | 90.0-115         |               |                |          |                 |
| (S) Dibromofluoromethane    |                      |                    |                     | 100           | 101            | 79.0-121         |               |                |          |                 |
| (S) 4-Bromofluorobenzene    |                      |                    |                     | 102           | 102            | 80.1-120         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L795831-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/24/15 22:11 • (MS) 10/24/15 22:35 • (MSD) 10/24/15 22:59

| Analyte                     | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Acetone                     | 0.125                | ND                      | 0.0564            | 0.0575             | 45.2         | 46.0          | 1        | 25.0-156         |              |               | 1.77     | 21.5            |
| Benzene                     | 0.0250               | ND                      | 0.0182            | 0.0192             | 73.0         | 76.9          | 1        | 58.6-133         |              |               | 5.21     | 20              |
| Bromodichloromethane        | 0.0250               | ND                      | 0.0235            | 0.0212             | 93.8         | 84.7          | 1        | 69.2-127         |              |               | 10.3     | 20              |
| Bromoform                   | 0.0250               | ND                      | 0.0246            | 0.0240             | 98.4         | 96.0          | 1        | 66.3-140         |              |               | 2.44     | 20              |
| Bromomethane                | 0.0250               | ND                      | 0.0131            | 0.0121             | 52.4         | 48.3          | 1        | 16.6-183         |              |               | 8.11     | 20.5            |
| n-Butylbenzene              | 0.0250               | ND                      | 0.0234            | 0.0223             | 93.5         | 89.2          | 1        | 64.8-145         |              |               | 4.71     | 20              |
| sec-Butylbenzene            | 0.0250               | 0.00206                 | 0.0254            | 0.0254             | 93.2         | 93.3          | 1        | 66.8-139         |              |               | 0.150    | 20              |
| Carbon disulfide            | 0.0250               | ND                      | 0.00483           | 0.00479            | 19.3         | 19.2          | 1        | 34.9-138         | F            | F             | 0.810    | 20              |
| Carbon tetrachloride        | 0.0250               | ND                      | 0.0186            | 0.0183             | 74.5         | 73.0          | 1        | 60.6-139         |              |               | 2.01     | 20              |
| Chlorobenzene               | 0.0250               | ND                      | 0.0225            | 0.0213             | 90.1         | 85.2          | 1        | 70.1-130         |              |               | 5.68     | 20              |
| Chlorodibromomethane        | 0.0250               | ND                      | 0.0233            | 0.0231             | 93.3         | 92.5          | 1        | 71.6-132         |              |               | 0.830    | 20              |
| Chloroethane                | 0.0250               | ND                      | 0.0175            | 0.0196             | 69.9         | 78.2          | 1        | 33.3-155         |              |               | 11.2     | 20              |
| Chloroform                  | 0.0250               | ND                      | 0.0223            | 0.0231             | 89.2         | 92.5          | 1        | 66.1-133         |              |               | 3.69     | 20              |
| Chloromethane               | 0.0250               | ND                      | 0.00687           | 0.00686            | 27.5         | 27.4          | 1        | 40.7-139         | F            | F             | 0.0900   | 20              |
| 1,2-Dibromoethane           | 0.0250               | ND                      | 0.0224            | 0.0222             | 89.6         | 88.6          | 1        | 73.8-131         |              |               | 1.10     | 20              |
| 1,1-Dichloroethane          | 0.0250               | ND                      | 0.0199            | 0.0203             | 79.8         | 81.4          | 1        | 64.0-134         |              |               | 1.98     | 20              |
| 1,2-Dichloroethane          | 0.0250               | ND                      | 0.0196            | 0.0192             | 78.3         | 76.9          | 1        | 60.7-132         |              |               | 1.82     | 20              |
| 1,1-Dichloroethene          | 0.0250               | ND                      | 0.0142            | 0.0147             | 56.6         | 58.6          | 1        | 48.8-144         |              |               | 3.45     | 20              |
| cis-1,2-Dichloroethene      | 0.0250               | ND                      | 0.0185            | 0.0195             | 73.9         | 77.9          | 1        | 60.6-136         |              |               | 5.18     | 20              |
| trans-1,2-Dichloroethene    | 0.0250               | ND                      | 0.0139            | 0.0143             | 55.6         | 57.2          | 1        | 61.0-132         | F            | F             | 2.97     | 20              |
| 1,2-Dichloropropane         | 0.0250               | ND                      | 0.0232            | 0.0203             | 92.7         | 81.2          | 1        | 69.7-130         |              |               | 13.3     | 20              |
| cis-1,3-Dichloropropene     | 0.0250               | ND                      | 0.0214            | 0.0212             | 85.5         | 84.7          | 1        | 71.1-129         |              |               | 0.860    | 20              |
| trans-1,3-Dichloropropene   | 0.0250               | ND                      | 0.0224            | 0.0224             | 89.8         | 89.6          | 1        | 66.3-136         |              |               | 0.180    | 20              |
| Ethylbenzene                | 0.0250               | ND                      | 0.0217            | 0.0209             | 86.6         | 83.8          | 1        | 62.7-136         |              |               | 3.38     | 20              |
| 2-Hexanone                  | 0.125                | ND                      | 0.0989            | 0.0994             | 79.1         | 79.5          | 1        | 59.4-154         |              |               | 0.510    | 20.1            |
| Isopropylbenzene            | 0.0250               | 0.00950                 | 0.0326            | 0.0317             | 92.3         | 88.9          | 1        | 67.4-136         |              |               | 2.61     | 20              |
| p-Isopropyltoluene          | 0.0250               | 0.000725                | 0.0244            | 0.0224             | 94.5         | 86.6          | 1        | 62.8-143         |              |               | 8.50     | 20              |
| 2-Butanone (MEK)            | 0.125                | ND                      | 0.0834            | 0.0910             | 66.7         | 72.8          | 1        | 45.0-156         |              |               | 8.72     | 20.8            |
| Methylene Chloride          | 0.0250               | ND                      | 0.0178            | 0.0177             | 71.3         | 70.7          | 1        | 61.5-125         |              |               | 0.770    | 20              |
| 4-Methyl-2-pentanone (MIBK) | 0.125                | ND                      | 0.124             | 0.124              | 99.4         | 99.2          | 1        | 60.7-150         |              |               | 0.190    | 20              |
| Methyl tert-butyl ether     | 0.0250               | ND                      | 0.0218            | 0.0227             | 87.2         | 90.9          | 1        | 61.4-136         |              |               | 4.16     | 20              |
| Naphthalene                 | 0.0250               | ND                      | 0.0262            | 0.0268             | 105          | 107           | 1        | 61.8-143         |              |               | 2.14     | 20              |
| n-Propylbenzene             | 0.0250               | 0.000834                | 0.0238            | 0.0231             | 91.8         | 89.1          | 1        | 63.2-139         |              |               | 2.80     | 20              |
| Styrene                     | 0.0250               | ND                      | 0.0242            | 0.0232             | 96.9         | 92.7          | 1        | 68.2-133         |              |               | 4.49     | 20              |
| 1,1,1,2-Tetrachloroethane   | 0.0250               | ND                      | 0.0242            | 0.0225             | 96.9         | 89.9          | 1        | 70.5-132         |              |               | 7.53     | 20              |
| 1,1,2,2-Tetrachloroethane   | 0.0250               | ND                      | 0.0266            | 0.0253             | 106          | 101           | 1        | 64.9-145         |              |               | 4.80     | 20              |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc



L795831-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/24/15 22:11 • (MS) 10/24/15 22:35 • (MSD) 10/24/15 22:59

| Analyte                  | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Tetrachloroethene        | 0.0250               | ND                      | 0.0178            | 0.0171             | 71.3         | 68.3          | 1        | 57.4-141         |              |               | 4.34     | 20              |
| Toluene                  | 0.0250               | ND                      | 0.0208            | 0.0183             | 83.2         | 73.4          | 1        | 67.8-124         |              |               | 12.5     | 20              |
| 1,1,1-Trichloroethane    | 0.0250               | ND                      | 0.0193            | 0.0201             | 77.0         | 80.4          | 1        | 58.7-134         |              |               | 4.32     | 20              |
| 1,1,2-Trichloroethane    | 0.0250               | ND                      | 0.0246            | 0.0233             | 98.3         | 93.3          | 1        | 74.1-130         |              |               | 5.22     | 20              |
| Trichloroethene          | 0.0250               | ND                      | 0.0190            | 0.0168             | 76.0         | 67.2          | 1        | 48.9-148         |              |               | 12.4     | 20              |
| 1,2,4-Trimethylbenzene   | 0.0250               | ND                      | 0.0244            | 0.0230             | 97.7         | 92.0          | 1        | 60.5-137         |              |               | 6.01     | 20              |
| 1,3,5-Trimethylbenzene   | 0.0250               | ND                      | 0.0224            | 0.0214             | 89.8         | 85.8          | 1        | 67.9-134         |              |               | 4.51     | 20              |
| Vinyl chloride           | 0.0250               | ND                      | 0.0109            | 0.0111             | 43.7         | 44.4          | 1        | 44.3-143         | E            |               | 1.51     | 20              |
| Xylenes, Total           | 0.0750               | ND                      | 0.0637            | 0.0622             | 85.0         | 82.9          | 1        | 65.6-133         |              |               | 2.51     | 20              |
| o-Xylene                 | 0.0250               | ND                      | 0.0222            | 0.0210             | 89.0         | 84.0          | 1        | 67.1-133         |              |               | 5.76     | 20              |
| m&p-Xylenes              | 0.0500               | ND                      | 0.0415            | 0.0412             | 83.0         | 82.3          | 1        | 64.1-133         |              |               | 0.810    | 20              |
| (S) Toluene-d8           |                      |                         |                   |                    | 110          | 100           |          | 90.0-115         |              |               |          |                 |
| (S) Dibromofluoromethane |                      |                         |                   |                    | 97.1         | 104           |          | 79.0-121         |              |               |          |                 |
| (S) 4-Bromofluorobenzene |                      |                         |                   |                    | 101          | 100           |          | 80.1-120         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 10/28/15 08:33

| Analyte                     | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Acetone                     | U                 |              | 0.0100         | 0.0500         |
| Benzene                     | U                 |              | 0.000331       | 0.00100        |
| Bromodichloromethane        | U                 |              | 0.000380       | 0.00100        |
| Bromoform                   | U                 |              | 0.000469       | 0.00100        |
| Bromomethane                | U                 |              | 0.000866       | 0.00500        |
| n-Butylbenzene              | U                 |              | 0.000361       | 0.00100        |
| sec-Butylbenzene            | U                 |              | 0.000365       | 0.00100        |
| Carbon disulfide            | U                 |              | 0.000275       | 0.00100        |
| Carbon tetrachloride        | U                 |              | 0.000379       | 0.00100        |
| Chlorobenzene               | U                 |              | 0.000348       | 0.00100        |
| Chlorodibromomethane        | U                 |              | 0.000327       | 0.00100        |
| Chloroethane                | U                 |              | 0.000453       | 0.00500        |
| Chloroform                  | U                 |              | 0.000324       | 0.00500        |
| Chloromethane               | U                 |              | 0.000276       | 0.00250        |
| 1,2-Dibromoethane           | U                 |              | 0.000381       | 0.00100        |
| 1,1-Dichloroethane          | U                 |              | 0.000259       | 0.00100        |
| 1,2-Dichloroethane          | U                 |              | 0.000361       | 0.00100        |
| 1,1-Dichloroethene          | U                 |              | 0.000398       | 0.00100        |
| cis-1,2-Dichloroethene      | U                 |              | 0.000260       | 0.00100        |
| trans-1,2-Dichloroethene    | U                 |              | 0.000396       | 0.00100        |
| 1,2-Dichloropropane         | U                 |              | 0.000306       | 0.00100        |
| cis-1,3-Dichloropropene     | U                 |              | 0.000418       | 0.00100        |
| trans-1,3-Dichloropropene   | U                 |              | 0.000419       | 0.00100        |
| Ethylbenzene                | U                 |              | 0.000384       | 0.00100        |
| 2-Hexanone                  | U                 |              | 0.00382        | 0.0100         |
| Isopropylbenzene            | U                 |              | 0.000326       | 0.00100        |
| p-Isopropyltoluene          | U                 |              | 0.000350       | 0.00100        |
| 2-Butanone (MEK)            | U                 |              | 0.00393        | 0.0100         |
| Methylene Chloride          | U                 |              | 0.00100        | 0.00500        |
| 4-Methyl-2-pentanone (MIBK) | U                 |              | 0.00214        | 0.0100         |
| Methyl tert-butyl ether     | U                 |              | 0.000367       | 0.00100        |
| Naphthalene                 | U                 |              | 0.00100        | 0.00500        |
| n-Propylbenzene             | U                 |              | 0.000349       | 0.00100        |
| Styrene                     | U                 |              | 0.000307       | 0.00100        |
| 1,1,1,2-Tetrachloroethane   | U                 |              | 0.000385       | 0.00100        |
| 1,1,2,2-Tetrachloroethane   | U                 |              | 0.000130       | 0.00100        |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 10/28/15 08:33

| Analyte                  | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|--------------------------|-------------------|--------------|----------------|----------------|
| Tetrachloroethene        | U                 |              | 0.000372       | 0.00100        |
| Toluene                  | U                 |              | 0.000780       | 0.00500        |
| 1,1,1-Trichloroethane    | U                 |              | 0.000319       | 0.00100        |
| 1,1,2-Trichloroethane    | U                 |              | 0.000383       | 0.00100        |
| Trichloroethene          | U                 |              | 0.000398       | 0.00100        |
| 1,2,4-Trimethylbenzene   | U                 |              | 0.000373       | 0.00100        |
| 1,3,5-Trimethylbenzene   | U                 |              | 0.000387       | 0.00100        |
| Vinyl chloride           | U                 |              | 0.000259       | 0.00100        |
| Xylenes, Total           | U                 |              | 0.00106        | 0.00300        |
| o-Xylene                 | U                 |              | 0.000341       | 0.00100        |
| m&p-Xylenes              | U                 |              | 0.000719       | 0.00100        |
| (S) Toluene-d8           | 105               |              |                | 90.0-115       |
| (S) Dibromofluoromethane | 99.5              |              |                | 79.0-121       |
| (S) 4-Bromofluorobenzene | 104               |              |                | 80.1-120       |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 06:18 • (LCSD) 10/28/15 06:40

| Analyte              | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone              | 0.125                | 0.121              | 0.117               | 96.6          | 93.6           | 28.7-175         |               |                | 3.15     | 20.9            |
| Benzene              | 0.0250               | 0.0257             | 0.0257              | 103           | 103            | 73.0-122         |               |                | 0.160    | 20              |
| Bromodichloromethane | 0.0250               | 0.0263             | 0.0263              | 105           | 105            | 75.5-121         |               |                | 0.150    | 20              |
| Bromoform            | 0.0250               | 0.0252             | 0.0254              | 101           | 102            | 71.5-131         |               |                | 0.820    | 20              |
| Bromomethane         | 0.0250               | 0.0225             | 0.0233              | 90.0          | 93.2           | 22.4-187         |               |                | 3.44     | 20              |
| n-Butylbenzene       | 0.0250               | 0.0276             | 0.0292              | 110           | 117            | 75.9-134         |               |                | 5.67     | 20              |
| sec-Butylbenzene     | 0.0250               | 0.0258             | 0.0271              | 103           | 108            | 80.6-126         |               |                | 4.79     | 20              |
| Carbon disulfide     | 0.0250               | 0.0243             | 0.0246              | 97.0          | 98.2           | 53.0-134         |               |                | 1.24     | 20              |
| Carbon tetrachloride | 0.0250               | 0.0264             | 0.0266              | 106           | 107            | 70.9-129         |               |                | 0.900    | 20              |
| Chlorobenzene        | 0.0250               | 0.0249             | 0.0262              | 99.7          | 105            | 79.7-122         |               |                | 4.90     | 20              |
| Chlorodibromomethane | 0.0250               | 0.0259             | 0.0259              | 104           | 104            | 78.2-124         |               |                | 0.0300   | 20              |
| Chloroethane         | 0.0250               | 0.0254             | 0.0261              | 102           | 104            | 41.2-153         |               |                | 2.54     | 20              |
| Chloroform           | 0.0250               | 0.0261             | 0.0256              | 104           | 103            | 73.2-125         |               |                | 1.69     | 20              |
| Chloromethane        | 0.0250               | 0.0253             | 0.0262              | 101           | 105            | 55.8-134         |               |                | 3.55     | 20              |
| 1,2-Dibromoethane    | 0.0250               | 0.0252             | 0.0255              | 101           | 102            | 79.8-122         |               |                | 1.32     | 20              |
| 1,1-Dichloroethane   | 0.0250               | 0.0261             | 0.0260              | 104           | 104            | 71.7-127         |               |                | 0.350    | 20              |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 06:18 • (LCSD) 10/28/15 06:40

| Analyte                     | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| 1,2-Dichloroethane          | 0.0250               | 0.0258             | 0.0257              | 103           | 103            | 65.3-126         |               |                | 0.420    | 20              |
| 1,1-Dichloroethene          | 0.0250               | 0.0257             | 0.0258              | 103           | 103            | 59.9-137         |               |                | 0.280    | 20              |
| cis-1,2-Dichloroethene      | 0.0250               | 0.0260             | 0.0258              | 104           | 103            | 77.3-122         |               |                | 0.600    | 20              |
| trans-1,2-Dichloroethene    | 0.0250               | 0.0254             | 0.0262              | 102           | 105            | 72.6-125         |               |                | 3.28     | 20              |
| 1,2-Dichloropropane         | 0.0250               | 0.0254             | 0.0258              | 101           | 103            | 77.4-125         |               |                | 1.77     | 20              |
| cis-1,3-Dichloropropene     | 0.0250               | 0.0261             | 0.0261              | 105           | 104            | 77.7-124         |               |                | 0.300    | 20              |
| trans-1,3-Dichloropropene   | 0.0250               | 0.0242             | 0.0240              | 96.9          | 96.0           | 73.5-127         |               |                | 0.870    | 20              |
| Ethylbenzene                | 0.0250               | 0.0261             | 0.0272              | 104           | 109            | 80.9-121         |               |                | 4.00     | 20              |
| 2-Hexanone                  | 0.125                | 0.143              | 0.145               | 115           | 116            | 59.4-151         |               |                | 0.890    | 20              |
| Isopropylbenzene            | 0.0250               | 0.0257             | 0.0267              | 103           | 107            | 81.6-124         |               |                | 3.80     | 20              |
| p-Isopropyltoluene          | 0.0250               | 0.0264             | 0.0277              | 106           | 111            | 77.6-129         |               |                | 4.81     | 20              |
| 2-Butanone (MEK)            | 0.125                | 0.138              | 0.136               | 111           | 109            | 46.4-155         |               |                | 2.04     | 20              |
| Methylene Chloride          | 0.0250               | 0.0245             | 0.0241              | 97.9          | 96.4           | 69.5-120         |               |                | 1.56     | 20              |
| 4-Methyl-2-pentanone (MIBK) | 0.125                | 0.135              | 0.133               | 108           | 106            | 63.3-138         |               |                | 1.64     | 20              |
| Methyl tert-butyl ether     | 0.0250               | 0.0256             | 0.0246              | 103           | 98.6           | 70.1-125         |               |                | 3.93     | 20              |
| Naphthalene                 | 0.0250               | 0.0263             | 0.0260              | 105           | 104            | 69.7-134         |               |                | 1.13     | 20              |
| n-Propylbenzene             | 0.0250               | 0.0262             | 0.0274              | 105           | 110            | 81.9-122         |               |                | 4.57     | 20              |
| Styrene                     | 0.0250               | 0.0260             | 0.0267              | 104           | 107            | 79.9-124         |               |                | 2.74     | 20              |
| 1,1,1,2-Tetrachloroethane   | 0.0250               | 0.0252             | 0.0262              | 101           | 105            | 78.5-125         |               |                | 3.96     | 20              |
| 1,1,2,2-Tetrachloroethane   | 0.0250               | 0.0267             | 0.0270              | 107           | 108            | 79.3-123         |               |                | 0.980    | 20              |
| Tetrachloroethene           | 0.0250               | 0.0251             | 0.0265              | 100           | 106            | 73.5-130         |               |                | 5.64     | 20              |
| Toluene                     | 0.0250               | 0.0250             | 0.0251              | 99.9          | 100            | 77.9-116         |               |                | 0.550    | 20              |
| 1,1,1-Trichloroethane       | 0.0250               | 0.0264             | 0.0267              | 106           | 107            | 71.1-129         |               |                | 1.11     | 20              |
| 1,1,2-Trichloroethane       | 0.0250               | 0.0259             | 0.0260              | 103           | 104            | 81.6-120         |               |                | 0.540    | 20              |
| Trichloroethene             | 0.0250               | 0.0256             | 0.0260              | 102           | 104            | 79.5-121         |               |                | 1.69     | 20              |
| 1,2,4-Trimethylbenzene      | 0.0250               | 0.0258             | 0.0269              | 103           | 108            | 79.0-122         |               |                | 4.34     | 20              |
| 1,3,5-Trimethylbenzene      | 0.0250               | 0.0260             | 0.0270              | 104           | 108            | 81.0-123         |               |                | 3.77     | 20              |
| Vinyl chloride              | 0.0250               | 0.0290             | 0.0292              | 116           | 117            | 61.5-134         |               |                | 0.950    | 20              |
| Xylenes, Total              | 0.0750               | 0.0776             | 0.0804              | 103           | 107            | 79.2-122         |               |                | 3.52     | 20              |
| o-Xylene                    | 0.0250               | 0.0258             | 0.0265              | 103           | 106            | 79.1-123         |               |                | 2.78     | 20              |
| m&p-Xylenes                 | 0.0500               | 0.0518             | 0.0538              | 104           | 108            | 78.5-122         |               |                | 3.89     | 20              |
| (S) Toluene-d8              |                      |                    |                     | 104           | 104            | 90.0-115         |               |                |          |                 |
| (S) Dibromofluoromethane    |                      |                    |                     | 103           | 103            | 79.0-121         |               |                |          |                 |
| (S) 4-Bromofluorobenzene    |                      |                    |                     | 103           | 104            | 80.1-120         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L795211-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 10:49 • (MS) 10/28/15 08:56 • (MSD) 10/28/15 09:19

| Analyte                     | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Acetone                     | 0.125                | 0.00617                 | 0.0771            | 0.0813             | 56.7         | 60.1          | 1        | 25.0-156         |              |               | 5.31     | 21.5            |
| Benzene                     | 0.0250               | ND                      | 0.0245            | 0.0250             | 98.0         | 99.8          | 1        | 58.6-133         |              |               | 1.89     | 20              |
| Bromodichloromethane        | 0.0250               | ND                      | 0.0261            | 0.0263             | 104          | 105           | 1        | 69.2-127         |              |               | 0.800    | 20              |
| Bromoform                   | 0.0250               | ND                      | 0.0250            | 0.0256             | 100          | 102           | 1        | 66.3-140         |              |               | 2.34     | 20              |
| Bromomethane                | 0.0250               | ND                      | 0.0235            | 0.0231             | 94.1         | 92.5          | 1        | 16.6-183         |              |               | 1.71     | 20.5            |
| n-Butylbenzene              | 0.0250               | ND                      | 0.0271            | 0.0270             | 109          | 108           | 1        | 64.8-145         |              |               | 0.510    | 20              |
| sec-Butylbenzene            | 0.0250               | ND                      | 0.0258            | 0.0254             | 103          | 102           | 1        | 66.8-139         |              |               | 1.42     | 20              |
| Carbon disulfide            | 0.0250               | ND                      | 0.0229            | 0.0237             | 91.7         | 94.8          | 1        | 34.9-138         |              |               | 3.26     | 20              |
| Carbon tetrachloride        | 0.0250               | ND                      | 0.0251            | 0.0258             | 101          | 103           | 1        | 60.6-139         |              |               | 2.75     | 20              |
| Chlorobenzene               | 0.0250               | ND                      | 0.0250            | 0.0249             | 100          | 99.8          | 1        | 70.1-130         |              |               | 0.200    | 20              |
| Chlorodibromomethane        | 0.0250               | ND                      | 0.0256            | 0.0261             | 102          | 104           | 1        | 71.6-132         |              |               | 2.06     | 20              |
| Chloroethane                | 0.0250               | ND                      | 0.0250            | 0.0252             | 100          | 101           | 1        | 33.3-155         |              |               | 0.800    | 20              |
| Chloroform                  | 0.0250               | ND                      | 0.0250            | 0.0256             | 100          | 102           | 1        | 66.1-133         |              |               | 2.27     | 20              |
| Chloromethane               | 0.0250               | ND                      | 0.0236            | 0.0248             | 94.5         | 99.1          | 1        | 40.7-139         |              |               | 4.74     | 20              |
| 1,2-Dibromoethane           | 0.0250               | ND                      | 0.0255            | 0.0258             | 102          | 103           | 1        | 73.8-131         |              |               | 1.08     | 20              |
| 1,1-Dichloroethane          | 0.0250               | ND                      | 0.0247            | 0.0254             | 98.6         | 102           | 1        | 64.0-134         |              |               | 3.06     | 20              |
| 1,2-Dichloroethane          | 0.0250               | ND                      | 0.0258            | 0.0260             | 103          | 104           | 1        | 60.7-132         |              |               | 0.910    | 20              |
| 1,1-Dichloroethene          | 0.0250               | ND                      | 0.0242            | 0.0250             | 96.9         | 100           | 1        | 48.8-144         |              |               | 3.22     | 20              |
| cis-1,2-Dichloroethene      | 0.0250               | ND                      | 0.0251            | 0.0256             | 100          | 102           | 1        | 60.6-136         |              |               | 1.98     | 20              |
| trans-1,2-Dichloroethene    | 0.0250               | ND                      | 0.0241            | 0.0247             | 96.5         | 98.8          | 1        | 61.0-132         |              |               | 2.32     | 20              |
| 1,2-Dichloropropane         | 0.0250               | ND                      | 0.0252            | 0.0252             | 101          | 101           | 1        | 69.7-130         |              |               | 0.000    | 20              |
| cis-1,3-Dichloropropene     | 0.0250               | ND                      | 0.0254            | 0.0257             | 102          | 103           | 1        | 71.1-129         |              |               | 1.03     | 20              |
| trans-1,3-Dichloropropene   | 0.0250               | ND                      | 0.0237            | 0.0243             | 94.8         | 97.2          | 1        | 66.3-136         |              |               | 2.52     | 20              |
| Ethylbenzene                | 0.0250               | ND                      | 0.0260            | 0.0254             | 104          | 102           | 1        | 62.7-136         |              |               | 2.41     | 20              |
| 2-Hexanone                  | 0.125                | ND                      | 0.123             | 0.126              | 98.0         | 101           | 1        | 59.4-154         |              |               | 2.75     | 20.1            |
| Isopropylbenzene            | 0.0250               | ND                      | 0.0256            | 0.0255             | 102          | 102           | 1        | 67.4-136         |              |               | 0.420    | 20              |
| p-Isopropyltoluene          | 0.0250               | ND                      | 0.0264            | 0.0261             | 106          | 104           | 1        | 62.8-143         |              |               | 1.08     | 20              |
| 2-Butanone (MEK)            | 0.125                | 0.00124                 | 0.112             | 0.117              | 88.7         | 92.7          | 1        | 45.0-156         |              |               | 4.35     | 20.8            |
| Methylene Chloride          | 0.0250               | ND                      | 0.0232            | 0.0239             | 92.9         | 95.4          | 1        | 61.5-125         |              |               | 2.66     | 20              |
| 4-Methyl-2-pentanone (MIBK) | 0.125                | ND                      | 0.134             | 0.139              | 107          | 111           | 1        | 60.7-150         |              |               | 3.51     | 20              |
| Methyl tert-butyl ether     | 0.0250               | ND                      | 0.0248            | 0.0259             | 99.1         | 103           | 1        | 61.4-136         |              |               | 4.23     | 20              |
| Naphthalene                 | 0.0250               | ND                      | 0.0259            | 0.0268             | 104          | 107           | 1        | 61.8-143         |              |               | 3.15     | 20              |
| n-Propylbenzene             | 0.0250               | ND                      | 0.0260            | 0.0260             | 104          | 104           | 1        | 63.2-139         |              |               | 0.340    | 20              |
| Styrene                     | 0.0250               | ND                      | 0.0257            | 0.0258             | 103          | 103           | 1        | 68.2-133         |              |               | 0.520    | 20              |
| 1,1,1,2-Tetrachloroethane   | 0.0250               | ND                      | 0.0257            | 0.0253             | 103          | 101           | 1        | 70.5-132         |              |               | 1.75     | 20              |
| 1,1,2,2-Tetrachloroethane   | 0.0250               | ND                      | 0.0272            | 0.0277             | 109          | 111           | 1        | 64.9-145         |              |               | 1.86     | 20              |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc



L795211-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 10:49 • (MS) 10/28/15 08:56 • (MSD) 10/28/15 09:19

| Analyte                  | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Tetrachloroethene        | 0.0250               | ND                      | 0.0248            | 0.0246             | 99.0         | 98.4          | 1        | 57.4-141         |              |               | 0.610    | 20              |
| Toluene                  | 0.0250               | ND                      | 0.0246            | 0.0249             | 98.3         | 99.7          | 1        | 67.8-124         |              |               | 1.46     | 20              |
| 1,1,1-Trichloroethane    | 0.0250               | ND                      | 0.0251            | 0.0259             | 100          | 104           | 1        | 58.7-134         |              |               | 3.35     | 20              |
| 1,1,2-Trichloroethane    | 0.0250               | ND                      | 0.0255            | 0.0261             | 102          | 104           | 1        | 74.1-130         |              |               | 2.20     | 20              |
| Trichloroethene          | 0.0250               | ND                      | 0.0249            | 0.0248             | 99.4         | 99.2          | 1        | 48.9-148         |              |               | 0.240    | 20              |
| 1,2,4-Trimethylbenzene   | 0.0250               | ND                      | 0.0257            | 0.0258             | 103          | 103           | 1        | 60.5-137         |              |               | 0.330    | 20              |
| 1,3,5-Trimethylbenzene   | 0.0250               | ND                      | 0.0256            | 0.0256             | 103          | 102           | 1        | 67.9-134         |              |               | 0.260    | 20              |
| Vinyl chloride           | 0.0250               | ND                      | 0.0274            | 0.0286             | 109          | 114           | 1        | 44.3-143         |              |               | 4.27     | 20              |
| Xylenes, Total           | 0.0750               | ND                      | 0.0765            | 0.0766             | 102          | 102           | 1        | 65.6-133         |              |               | 0.100    | 20              |
| o-Xylene                 | 0.0250               | ND                      | 0.0252            | 0.0254             | 101          | 101           | 1        | 67.1-133         |              |               | 0.540    | 20              |
| m&p-Xylenes              | 0.0500               | ND                      | 0.0513            | 0.0512             | 103          | 102           | 1        | 64.1-133         |              |               | 0.120    | 20              |
| (S) Toluene-d8           |                      |                         |                   |                    | 105          | 104           |          | 90.0-115         |              |               |          |                 |
| (S) Dibromofluoromethane |                      |                         |                   |                    | 103          | 105           |          | 79.0-121         |              |               |          |                 |
| (S) 4-Bromofluorobenzene |                      |                         |                   |                    | 104          | 104           |          | 80.1-120         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 10/27/15 01:19

| Analyte                    | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|----------------------------|-------------------|--------------|----------------|----------------|
| TPH (GC/FID) High Fraction | U                 |              | 0.0247         | 0.100          |
| (S) o-Terphenyl            | 65.8              |              |                | 50.0-150       |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 01:36 • (LCSD) 10/27/15 01:53

| Analyte                    | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH (GC/FID) High Fraction | 1.50                 | 1.05               | 1.06                | 70.0          | 70.8           | 50.0-150         |               |                | 1.11     | 20              |
| (S) o-Terphenyl            |                      |                    |                     | 76.4          | 74.7           | 50.0-150         |               |                |          |                 |

1

Cp

2

Tc

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Ss

4

Cn

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Sr

6

Qc

7

Gl

8

Al

9

Sc



## Abbreviations and Definitions

|                 |                                                                                                                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SDG             | Sample Delivery Group.                                                                                                                                                                                                                                                       |
| MDL             | Method Detection Limit.                                                                                                                                                                                                                                                      |
| RDL             | Reported Detection Limit.                                                                                                                                                                                                                                                    |
| ND,U            | Not detected at the Reporting Limit (or MDL where applicable).                                                                                                                                                                                                               |
| RPD             | Relative Percent Difference.                                                                                                                                                                                                                                                 |
| (dry)           | Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].                                                                                                                                                     |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.                                                                              |
| (S)             | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. |
| Rec.            | Recovery.                                                                                                                                                                                                                                                                    |
| SDL             | Sample Detection Limit.                                                                                                                                                                                                                                                      |
| MQL             | Method Quantitation Limit.                                                                                                                                                                                                                                                   |
| Unadj. MQL      | Unadjusted Method Quantitation Limit.                                                                                                                                                                                                                                        |

| Qualifier | Description |
|-----------|-------------|
|-----------|-------------|

|   |                                                                                     |
|---|-------------------------------------------------------------------------------------|
| 4 | The sample concentration was greater than 4 times the spike value.                  |
| * | LCS/LCSD recovery outside the control limit or RPD value outside the control limit. |
| F | The MS/MSD recovery outside the control limit.                                      |
| J | Estimated value.                                                                    |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc





ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.

## State Accreditations

|                       |             |                             |                   |
|-----------------------|-------------|-----------------------------|-------------------|
| Alabama               | 40660       | Nevada                      | TN-03-2002-34     |
| Alaska                | UST-080     | New Hampshire               | 2975              |
| Arizona               | AZ0612      | New Jersey–NELAP            | TN002             |
| Arkansas              | 88-0469     | New Mexico                  | TN00003           |
| California            | 01157CA     | New York                    | 11742             |
| Colorado              | TN00003     | North Carolina              | Env375            |
| Connecticut           | PH-0197     | North Carolina <sup>1</sup> | DW21704           |
| Florida               | E87487      | North Carolina <sup>2</sup> | 41                |
| Georgia               | NELAP       | North Dakota                | R-140             |
| Georgia <sup>1</sup>  | 923         | Ohio–VAP                    | CL0069            |
| Idaho                 | TN00003     | Oklahoma                    | 9915              |
| Illinois              | 200008      | Oregon                      | TN200002          |
| Indiana               | C-TN-01     | Pennsylvania                | 68-02979          |
| Iowa                  | 364         | Rhode Island                | 221               |
| Kansas                | E-10277     | South Carolina              | 84004             |
| Kentucky <sup>1</sup> | 90010       | South Dakota                | n/a               |
| Kentucky <sup>2</sup> | 16          | Tennessee <sup>14</sup>     | 2006              |
| Louisiana             | AI30792     | Texas                       | T 104704245-07-TX |
| Maine                 | TN0002      | Texas <sup>5</sup>          | LAB0152           |
| Maryland              | 324         | Utah                        | 6157585858        |
| Massachusetts         | M-TN003     | Vermont                     | VT2006            |
| Michigan              | 9958        | Virginia                    | 109               |
| Minnesota             | 047-999-395 | Washington                  | C1915             |
| Mississippi           | TN00003     | West Virginia               | 233               |
| Missouri              | 340         | Wisconsin                   | 9980939910        |
| Montana               | CERT0086    | Wyoming                     | A2LA              |
| Nebraska              | NE-OS-15-05 |                             |                   |

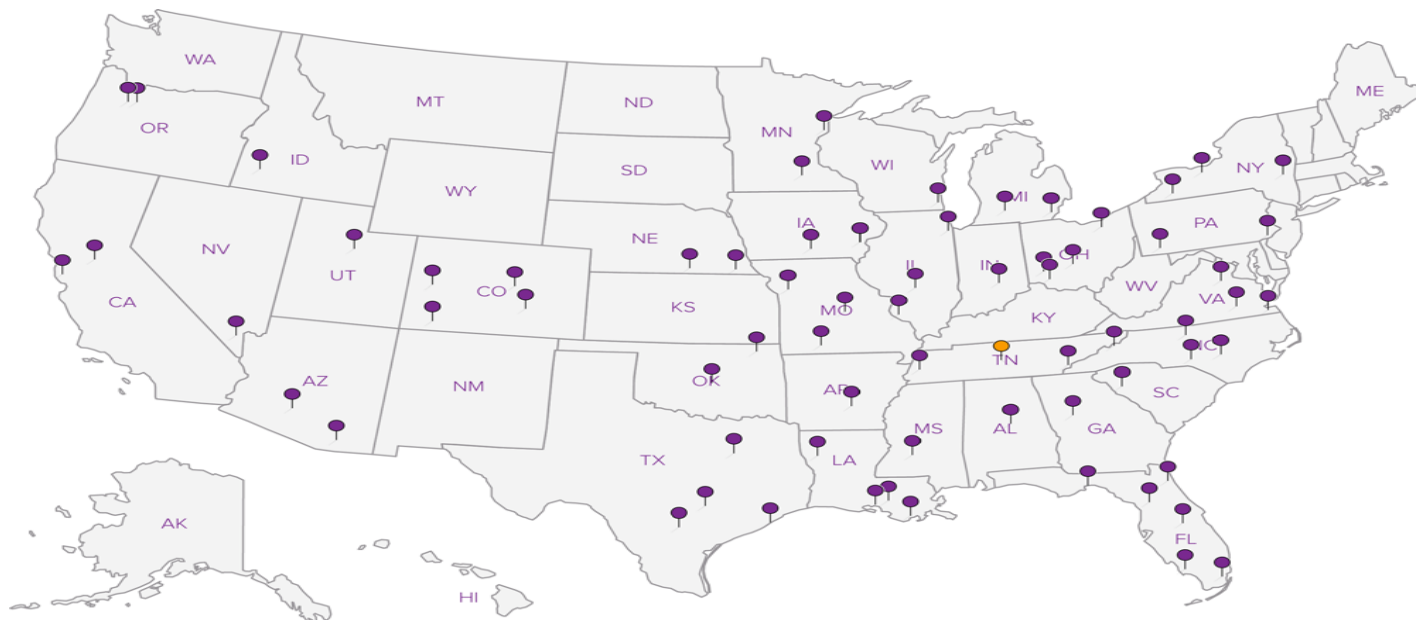
<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>n/a</sup> Accreditation not applicable

## Third Party & Federal Accreditations

|                  |         |      |         |
|------------------|---------|------|---------|
| A2LA – ISO 17025 | 1461.01 | AIHA | 100789  |
| Canada           | 1461.01 | DOD  | 1461.01 |
| EPA–Crypto       | TN00003 | USDA | S-67674 |

## Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



(Shipment # 1)

## ARCADIS US - TX

2929 Briarpark Dr., Suite 300  
Houston, TX 77042

## Billing Information:

Att: Accounts Payable  
630 Plaza Drive, Suite 600  
Highlands Ranch, CO 80129Report to:  
Pam KruegerEmail To: pam.krueger@arcadis-us.com;  
maisha.turner@arcadis-us.com;Project  
Description: Navajo Refining Company - Artesia, NMCity/State  
Collected: Artesia, NM

Phone: 713-953-4800

Client Project #  
TX000836.0007.15008Lab Project #  
ARCADHTX-NAVAJO FULL

Fax:

Collected by (print):  
Greg ScherbenskeSite/Facility ID #  
REST

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Date Results Needed

Immediately  
Packed on Ice N ☐ Y ☒
☐ Same Day ..... 200%  
☐ Next Day ..... 100%  
☐ Two Day ..... 50%  
☐ Three Day ..... 25%

 Email? ☐ No ☒ Yes  
 FAX? ☐ No ☐ Yes
No.  
of  
Cntrs

| Sample ID          | Comp/Grab | Matrix * | Depth | Date     | Time | Cntrs | CL, FL, SO4 125mlHDPE-NoPres | CN 250mlHDPEAmb-NaOH | DRO 100ml Amb-HCl | GRO 40ml Amb HCl | METALS 5020 500mlHDPE-HNO3 | NO2NO3 250mlHDPE-H2SO4 | TDS 250mlHDPE-NoPres | V8260 40ml Amb-HCl | Metals (Hg, Ni, Va) | Rem./Contaminant | Sample # (lab only) |
|--------------------|-----------|----------|-------|----------|------|-------|------------------------------|----------------------|-------------------|------------------|----------------------------|------------------------|----------------------|--------------------|---------------------|------------------|---------------------|
| MW-50              | Grab      | GW       |       | 10/19/15 | 1025 | 10    | X                            |                      | X                 | X                | X                          | X                      | X                    | X                  |                     |                  | 40                  |
| MW-97              |           | GW       |       |          |      | 10    | X                            |                      | X                 | X                | X                          | X                      | X                    | X                  |                     |                  | 41                  |
| MW-92              |           | GW       |       |          |      | 10    | X                            |                      | X                 | X                | X                          | X                      | X                    | X                  |                     |                  | 42                  |
| MW-91              | Grab      | GW       |       | 10/19/15 | 1115 | 10    | X                            |                      | X                 | X                | X                          | X                      | X                    | X                  |                     |                  | 43                  |
| MW-90              |           | GW       |       | 10/19/15 | 1205 | 10    | X                            |                      | X                 | X                | X                          | X                      | X                    | X                  |                     |                  | 44                  |
| MW-96              |           | GW       |       | 10/19/15 | 1255 | 10    | X                            |                      | X                 | X                | X                          | X                      | X                    | X                  |                     |                  | 45                  |
| MW-94              |           | GW       |       | 10/19/15 | 1350 | 10    | X                            |                      | X                 | X                | X                          | X                      | X                    | X                  |                     |                  | 46                  |
| MW-67              |           | GW       |       | 10/19/15 | 1450 | 11    | X                            | X                    | X                 | X                | X                          | X                      | X                    | X                  | X                   |                  | 47                  |
| Trip Blank-REST-02 |           | GW       |       | 10/19/15 | -    | 1     |                              |                      |                   |                  |                            |                        |                      | X                  |                     |                  | 48                  |
| MW-117             |           | GW       |       |          |      | 10    | X                            |                      | X                 | X                | X                          | X                      | X                    | X                  |                     |                  | 49                  |

\* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

## Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Hold #

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Samples returned via: ☐ UPS

Condition: (lab use only)

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received:

COC Seal Intact: ☐ Y ☐ N ☐ NA

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: Time:

pH Checked:

NCF:

Chain of Custody Page 2 of 15

**ESC**  
L.A.B. S.C.I.E.N.C.E.S.

YOUR LAB OF CHOICE

12065 Lebanon Rd  
Mount Juliet, TN 37122  
Phone: 615-758-5858  
Phone: 800-767-5859  
Fax: 615-758-5859

L # 1795810

Table # 1795877

Acctnum: ARCADHTX  
Template: T105690 1795831

Prelogin: P524864  
TSR: 633 - Pam Langford  
PB: 9-11-18

Shipped Via: FedEx Ground

☒ FedEx ☐ Courier ☐

2.7 335

10/21/15 0900

42.12

## ARCADIS US - TX

2929 Briarpark Dr., Suite 300  
Houston, TX 77042Report to:  
Pam KruegerProject  
Description: Navajo Refining Company - Artesia, NM

Phone: 713-953-4800

Fax:

Collected by (print):

Greg Scherbenske

Collected by (signature):

immediately  
Packed on ice N ☐ Y ☒

Client Project #

TX000836.0007.15008

Site/Facility ID #

REST

Rush? (Lab MUST Be Notified)

☐ Same Day .....200%  
☐ Next Day .....100%  
☐ Two Day .....50%  
☐ Three Day .....25%

City/State

Collected: Artesia, NM

Lab Project #

ARCADHTX-NAVAJO FULL

P.O. #

Date Results Needed

Email? ☐ No ☒ YesFAX? ☐ No ☐ YesNo.  
of  
Cntrs

| Sample ID           | Comp/Grab | Matrix * | Depth | Date     | Time | Cntrs | CL, FL, SO4 125mlHDPE-NoPres | DRO 100ml Amb-HCl | GRO 40ml Amb HCl | METALS 6020 500mlHDPE-HNO3<br>O = with Ca, K, Na | NO2NO3 250mlHDPE-H2SO4 | TDS 250mlHDPE-NoPres | V8260 40mlAmb-HCl | V8260 40mlAmb-HCl-Bik | CN 250mlHDPEAmb-NaOH | Metals (Hg, Ni, Va) | Rem./Contaminant | Sample # (lab only) |
|---------------------|-----------|----------|-------|----------|------|-------|------------------------------|-------------------|------------------|--------------------------------------------------|------------------------|----------------------|-------------------|-----------------------|----------------------|---------------------|------------------|---------------------|
| MW-113              |           | GW       |       |          |      | 10    | X                            | X                 | X                | (X)                                              | X                      | X                    | X                 | X                     |                      |                     |                  |                     |
| MW-133              |           | GW       |       |          |      | 10    | X                            | X                 | X                | (X)                                              | X                      | X                    | X                 | X                     |                      |                     |                  |                     |
| MW-134              | Grab      | GW       |       | 10/19/15 | 1750 | 10    | X                            | X                 | X                | (X)                                              | X                      | X                    | X                 | X                     |                      |                     | -06              | 47                  |
| MW-135              | ↓         | GW       |       | 10/19/15 | 1550 | 10    | X                            | X                 | X                | (X)                                              | X                      | X                    | X                 | X                     |                      |                     | -07              | 48                  |
| DUP-REST-01         |           | GW       |       |          |      | 10    | X                            | X                 | X                | (X)                                              | X                      | X                    | X                 | X                     |                      |                     |                  |                     |
| EB-REST-01          |           | GW       |       |          |      | 10    | X                            | X                 | X                | (X)                                              | X                      | X                    | X                 | X                     |                      |                     |                  |                     |
| DUP-REST-03         | Grab      | GW       |       | 10/19/15 | 1500 | 10    | X                            | X                 | X                | (X)                                              | X                      | X                    | X                 | X                     |                      |                     | -09              | 49                  |
| EB-REST-03MW-113-SH | ↓         | GW       |       | 10/19/15 | 1715 | 10    | X                            | X                 | X                | (X)                                              | X                      | X                    | X                 | X                     |                      |                     | -09              | 50                  |
| KWB-8               |           | GW       |       |          |      | 98    | X                            | X                 |                  | (X)                                              | X                      | X                    | X                 | X                     | X                    | X                   |                  |                     |
| KWB-7               | Grab      | GW       |       | 10/19/15 | 1115 | 98    | X                            | X                 |                  | (X)                                              | X                      | X                    | X                 | X                     | X                    | X                   |                  |                     |

\* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Hold #

Relinquished by: (Signature)

Date:

10/20/15

Time:

700

Received by: (Signature)

Samples returned via: ☐ UPS☒ FedEx ☐ Courier ☐ \_\_\_\_\_

Condition: (lab use only)

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received:

2.7 335

COC Seal Intact: ☐ Y ☐ N ☐ NA

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

10/21/15 0920

pH Checked:

NCF:

(Shipment #1)

Chain of Custody Page 3 of 15

ESC  
LAB SCIENCES

YOUR LAB OF CHOICE

12065 Lebanon Rd  
Mount Juliet, TN 37122  
Phone: 615-758-5858  
Phone: 800-767-5859  
Fax: 615-758-5859

L# 7A5810

Table # 7A5831

Acctnum: ARCADHTX

Template: T105608

Prelogin: P524667

TSR: 633 - Pam Langford

Pb: 9.15 11/8

Shipped Via: FedEx Ground

Rem./Contaminant Sample # (lab only)



## ARCADIS US - TX

2929 Briarpark Dr., Suite 300  
Houston, TX 77042

## Billing Information:

Att: Accounts Payable  
630 Plaza Drive, Suite 600  
Highlands Ranch, CO 80129

Report to:  
Pam Krueger

Email To: pam.krueger@arcadis-us.com;  
maisha.turner@arcadis-us.com;

Project  
Description: Navajo Refining Company - Artesia, NM

City/State  
Collected: Artesia, NM

Phone: 713-953-4800  
Fax:

Client Project #  
TX000836.0007.15008

Lab Project #  
ARCADHTX-NAVAJO FULL

Collected by (print):  
Greg Scherbenske

Site/Facility ID #  
REST

P.O. #

Collected by (signature):

**Rush?** (Lab MUST Be Notified)  
 \_\_\_ Same Day .....200%  
 \_\_\_ Next Day .....100%  
 \_\_\_ Two Day .....50%  
 \_\_\_ Three Day .....25%

Date Results Needed

Email? \_\_\_ No ☒ Yes

FAX? \_\_\_ No \_\_\_ Yes

No.  
of  
Cntrs

Immediately  
Packed on Ice N \_\_\_ Y ☒

| Sample ID          | Cdmp/Grab | Matrix * | Depth | Date     | Time | No.<br>of<br>Cntrs | CL, FL, SO4 125mlHDPE-NoPres | CN 250mlHDPEAmb-NaOH | DRO 100ml Amb-HCl | GRO 40mlAmb HCl | METALS 6020 500mlHDPE-HNO3 | NO2NO3 250mlHDPE-H2SO4 | TDS 250mlHDPE-NoPres | V8260 40mlAmb-HCl | V8260 40mlAmb-HCl-Bik | Metals (Hg, Ni, Va) | Rem./Contaminant | Sample # (lab only) |
|--------------------|-----------|----------|-------|----------|------|--------------------|------------------------------|----------------------|-------------------|-----------------|----------------------------|------------------------|----------------------|-------------------|-----------------------|---------------------|------------------|---------------------|
| MW-43              | Grab      | GW       |       | 10/19/15 | 1535 | 11                 | X                            | X                    | X                 | X               | (X)                        | X                      | X                    | X                 |                       | X                   | -11              | 52                  |
| MW-137             | ↓         | GW       |       | 10/19/15 | 920  | 11                 | X                            | X                    | X                 | X               | (X)                        | X                      | X                    | X                 |                       | X                   | -12              | 53                  |
| MW-138             | ↓         | GW       |       | 10/19/15 | 1020 | 11                 | X                            | X                    | X                 | X               | (X)                        | X                      | X                    | X                 |                       | X                   | -13              | 54                  |
| TRIP-BLANK-REST-04 |           | GW       |       |          |      | 1                  |                              |                      |                   |                 |                            |                        |                      |                   | X                     |                     |                  |                     |
| MW-118             |           | GW       |       |          |      | 10                 | X                            |                      | X                 | X               | (X)                        | X                      | X                    | X                 |                       |                     |                  |                     |
| MW-119             |           | GW       |       |          |      | 10                 | X                            |                      | X                 | X               | (X)                        | X                      | X                    | X                 |                       |                     |                  |                     |
| MW-126A            | Grab      | GW       |       | 10/19/15 | 1145 | 10                 | X                            |                      | X                 | X               | (X)                        | X                      | X                    | X                 |                       |                     | -14              | 55                  |
| MW-126B            | ↓         | GW       |       | 10/19/15 | 1220 | 10                 | X                            |                      | X                 | X               | (X)                        | X                      | X                    | X                 |                       |                     | -15              | 56                  |
| MW-127             | ↓         | GW       |       | 10/19/15 | 1055 | 10                 | X                            |                      | X                 | X               | (X)                        | X                      | X                    | X                 |                       |                     | -16              | 57                  |
| MW-129             | ↓         | GW       |       | 10/19/15 | 925  | 10                 | X                            |                      | X                 | X               | (X)                        | X                      | X                    | X                 |                       |                     | -17              | 58                  |

\* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

## Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Hold #

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Samples returned via: ☐ UPS

Condition: (lab use only)

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received:

COC Seal Intact: \_\_\_ Y \_\_\_ N \_\_\_ NA

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: Time:

pH Checked:

NCF:

Chain of Custody Page 4 of 15

**ESC**  
LAB SCIENCE

YOUR LAB OF CHOICE

12065 Lebanon Rd  
Mount Juliet, TN 37122  
Phone: 615-758-5858  
Phone: 800-767-5859  
Fax: 615-758-5859



L# 179580

Table # 1795831

Acctnum: ARCADHTX

Template: T105668

Prelogin: P524744

TSR: 633 - Pam Langford

PB: 9.16 M.S.

Shipped Via: FedEx Ground

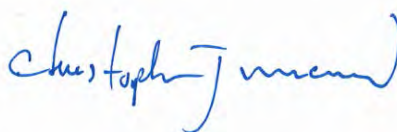
Rem./Contaminant Sample # (lab only)



## ARCADIS US - TX

Sample Delivery Group: L796118  
Samples Received: 10/22/2015  
Project Number: TX000836.0007.15008  
Description: Navajo Refining Company - Artesia, NM  
Site: REST  
Report To: Pam Krueger  
2929 Briarpark Dr., Suite 300  
Houston, TX 77042

Entire Report Reviewed By:



Chris McCord  
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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# SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



## TRIP BLANK-REST-01 L796118-01 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 00:00

Received date/time  
10/22/15 09:00

| Method                                             | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|----------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG824656 | 1        | 10/28/15 11:22        | 10/28/15 11:22     | BMB              |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

## RA-4798 L796118-02 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 13:50

Received date/time  
10/22/15 09:00

| Method                                             | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|----------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011         | WG824238 | 1        | 10/26/15 02:13        | 10/27/15 07:26     | JM               |
| Metals (ICPMS) by Method 6020                      | WG824867 | 1        | 10/27/15 19:09        | 10/29/15 12:44     | JDG              |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG824432 | 1        | 10/26/15 15:02        | 10/26/15 15:02     | DAH              |
| Wet Chemistry by Method 353.2                      | WG825288 | 10       | 10/29/15 13:32        | 10/29/15 13:32     | ASK              |
| Wet Chemistry by Method 9056MOD                    | WG824158 | 1        | 10/24/15 15:34        | 10/24/15 15:34     | DJD              |
| Wet Chemistry by Method 9056MOD                    | WG824158 | 20       | 10/24/15 16:33        | 10/24/15 16:33     | DJD              |

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

## RA-4196 L796118-03 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 13:35

Received date/time  
10/22/15 09:00

| Method                                             | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|----------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011         | WG824238 | 1        | 10/26/15 02:13        | 10/27/15 07:25     | JM               |
| Metals (ICPMS) by Method 6020                      | WG824867 | 1        | 10/27/15 19:09        | 10/29/15 12:48     | JDG              |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG824432 | 1        | 10/26/15 15:22        | 10/26/15 15:22     | DAH              |
| Wet Chemistry by Method 353.2                      | WG825288 | 10       | 10/29/15 13:33        | 10/29/15 13:33     | ASK              |
| Wet Chemistry by Method 9056MOD                    | WG824158 | 1        | 10/24/15 15:50        | 10/24/15 15:50     | DJD              |
| Wet Chemistry by Method 9056MOD                    | WG824158 | 20       | 10/24/15 16:47        | 10/24/15 16:47     | DJD              |

<sup>8</sup> Al

<sup>9</sup> Sc

## MW-136 L796118-04 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 08:30

Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824238 | 1        | 10/26/15 02:13        | 10/27/15 07:25     | JM               |
| Mercury by Method 7470A                              | WG824854 | 1        | 10/27/15 18:45        | 10/28/15 11:30     | TRB              |
| Metals (ICPMS) by Method 6020                        | WG824867 | 1        | 10/27/15 19:09        | 10/29/15 12:55     | JDG              |
| Metals (ICPMS) by Method 6020                        | WG824867 | 2        | 10/27/15 19:09        | 10/29/15 14:25     | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824379 | 1        | 10/25/15 21:16        | 10/26/15 18:12     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824595 | 1        | 10/29/15 11:23        | 10/29/15 11:23     | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824432 | 1        | 10/26/15 15:43        | 10/26/15 15:43     | DAH              |
| Wet Chemistry by Method 353.2                        | WG825288 | 10       | 10/29/15 13:34        | 10/29/15 13:34     | ASK              |
| Wet Chemistry by Method 9012B                        | WG825461 | 1        | 10/29/15 18:16        | 10/30/15 09:52     | DR               |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 1        | 10/24/15 16:04        | 10/24/15 16:04     | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 50       | 10/24/15 17:01        | 10/24/15 17:01     | DJD              |

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 08:45

Received date/time  
10/22/15 09:00

## KWB-12A L796118-05 GW

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824238 | 1        | 10/26/15 02:13        | 10/27/15 07:25     | JM               |
| Mercury by Method 7470A                              | WG824854 | 1        | 10/27/15 18:45        | 10/28/15 11:24     | TRB              |
| Metals (ICPMS) by Method 6020                        | WG824867 | 1        | 10/27/15 19:09        | 10/29/15 13:01     | JDG              |
| Metals (ICPMS) by Method 6020                        | WG824867 | 2        | 10/27/15 19:09        | 10/29/15 14:32     | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824379 | 1        | 10/25/15 21:16        | 10/26/15 18:29     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824595 | 1        | 10/29/15 11:45        | 10/29/15 11:45     | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824432 | 1        | 10/26/15 16:05        | 10/26/15 16:05     | DAH              |



# SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



## KWB-12A L796118-05 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 08:45

Received date/time  
10/22/15 09:00

| Method                          | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|---------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Wet Chemistry by Method 353.2   | WG825288 | 10       | 10/29/15 13:35        | 10/29/15 13:35     | ASK              |
| Wet Chemistry by Method 9012B   | WG824892 | 1        | 10/28/15 00:58        | 10/29/15 10:41     | DR               |
| Wet Chemistry by Method 9056MOD | WG824158 | 1        | 10/24/15 16:18        | 10/24/15 16:18     | DJD              |
| Wet Chemistry by Method 9056MOD | WG824158 | 50       | 10/24/15 17:16        | 10/24/15 17:16     | DJD              |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

## KWB-12B L796118-06 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 09:30

Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824238 | 1        | 10/26/15 02:13        | 10/27/15 07:25     | JM               |
| Mercury by Method 7470A                              | WG824854 | 1        | 10/27/15 18:45        | 10/28/15 11:33     | TRB              |
| Metals (ICPMS) by Method 6020                        | WG824867 | 1        | 10/27/15 19:09        | 10/29/15 13:04     | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824379 | 1        | 10/25/15 21:16        | 10/26/15 18:46     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824595 | 1        | 10/29/15 12:07        | 10/29/15 12:07     | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824432 | 1        | 10/26/15 16:26        | 10/26/15 16:26     | DAH              |
| Wet Chemistry by Method 353.2                        | WG825288 | 10       | 10/29/15 13:36        | 10/29/15 13:36     | ASK              |
| Wet Chemistry by Method 9012B                        | WG824892 | 1        | 10/28/15 00:58        | 10/29/15 10:42     | DR               |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 1        | 10/24/15 17:59        | 10/24/15 17:59     | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 50       | 10/24/15 18:57        | 10/24/15 18:57     | DJD              |

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## KWB-5 L796118-07 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 10:10

Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824238 | 1        | 10/26/15 02:13        | 10/27/15 07:27     | JM               |
| Metals (ICPMS) by Method 6020                        | WG824867 | 1        | 10/27/15 19:09        | 10/29/15 13:06     | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824379 | 1        | 10/25/15 21:16        | 10/26/15 19:04     | JNS              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824432 | 1        | 10/26/15 16:47        | 10/26/15 16:47     | DAH              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824575 | 500      | 10/29/15 14:28        | 10/29/15 14:28     | JAH              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825127 | 50       | 10/28/15 23:47        | 10/28/15 23:47     | DAH              |
| Wet Chemistry by Method 353.2                        | WG825288 | 10       | 10/29/15 13:38        | 10/29/15 13:38     | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 1        | 10/24/15 18:13        | 10/24/15 18:13     | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 20       | 10/24/15 19:11        | 10/24/15 19:11     | DJD              |

## KWB-6 L796118-08 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 09:20

Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824238 | 1        | 10/26/15 02:13        | 10/27/15 07:26     | JM               |
| Mercury by Method 7470A                              | WG824854 | 1        | 10/27/15 18:45        | 10/28/15 11:35     | TRB              |
| Metals (ICPMS) by Method 6020                        | WG824867 | 1        | 10/27/15 19:09        | 10/29/15 13:08     | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824379 | 1        | 10/25/15 21:16        | 10/26/15 19:21     | JNS              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824432 | 500      | 10/26/15 17:07        | 10/26/15 17:07     | DAH              |
| Wet Chemistry by Method 353.2                        | WG825288 | 10       | 10/29/15 13:39        | 10/29/15 13:39     | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 1        | 10/24/15 18:28        | 10/24/15 18:28     | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 20       | 10/24/15 19:26        | 10/24/15 19:26     | DJD              |



## MW-57 L796118-09 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/20/15 10:25Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824238 | 1        | 10/26/15 02:13           | 10/27/15 07:25        | JM               |
| Metals (ICPMS) by Method 6020                        | WG824867 | 1        | 10/27/15 19:09           | 10/29/15 13:11        | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824379 | 1        | 10/25/15 21:16           | 10/26/15 19:38        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824595 | 1        | 10/29/15 12:29           | 10/29/15 12:29        | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824432 | 1        | 10/26/15 17:28           | 10/26/15 17:28        | DAH              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825127 | 1        | 10/29/15 00:08           | 10/29/15 00:08        | DAH              |
| Wet Chemistry by Method 353.2                        | WG825288 | 10       | 10/29/15 13:40           | 10/29/15 13:40        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 1        | 10/24/15 18:42           | 10/24/15 18:42        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 50       | 10/24/15 19:40           | 10/24/15 19:40        | DJD              |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## MW-113 L796118-10 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/20/15 11:15Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824238 | 1        | 10/26/15 02:13           | 10/27/15 07:26        | JM               |
| Metals (ICPMS) by Method 6020                        | WG824867 | 1        | 10/27/15 19:09           | 10/29/15 13:13        | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824379 | 1        | 10/25/15 21:16           | 10/26/15 19:55        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824595 | 1        | 10/29/15 12:51           | 10/29/15 12:51        | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825127 | 1        | 10/28/15 21:16           | 10/28/15 21:16        | DAH              |
| Wet Chemistry by Method 353.2                        | WG825288 | 10       | 10/29/15 13:41           | 10/29/15 13:41        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 1        | 10/24/15 21:06           | 10/24/15 21:06        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 20       | 10/24/15 22:19           | 10/24/15 22:19        | DJD              |

## DUP-REST-01 L796118-11 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/20/15 12:00Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824238 | 1        | 10/26/15 02:13           | 10/27/15 07:26        | JM               |
| Metals (ICPMS) by Method 6020                        | WG824867 | 1        | 10/27/15 19:09           | 10/29/15 13:15        | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824379 | 1        | 10/25/15 21:16           | 10/26/15 20:12        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824595 | 1        | 10/29/15 13:13           | 10/29/15 13:13        | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824432 | 1        | 10/26/15 18:10           | 10/26/15 18:10        | DAH              |
| Wet Chemistry by Method 353.2                        | WG825288 | 10       | 10/29/15 13:42           | 10/29/15 13:42        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 1        | 10/24/15 21:21           | 10/24/15 21:21        | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 20       | 10/24/15 22:33           | 10/24/15 22:33        | DJD              |

## EB-REST-01 L796118-12 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/20/15 10:45Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824239 | 1        | 10/26/15 02:24           | 10/27/15 07:38        | JM               |
| Metals (ICPMS) by Method 6020                        | WG824867 | 1        | 10/27/15 19:09           | 10/29/15 13:17        | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824379 | 1        | 10/25/15 21:16           | 10/26/15 20:29        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824595 | 1        | 10/29/15 08:03           | 10/29/15 08:03        | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824432 | 1        | 10/26/15 11:51           | 10/26/15 11:51        | DAH              |
| Wet Chemistry by Method 353.2                        | WG825288 | 10       | 10/29/15 13:48           | 10/29/15 13:48        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 1        | 10/24/15 20:09           | 10/24/15 20:09        | DJD              |

# SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



## MW-114 L796118-13 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 09:00

Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824239 | 1        | 10/26/15 02:24        | 10/27/15 07:42     | JM               |
| Metals (ICPMS) by Method 6020                        | WG824867 | 1        | 10/27/15 19:09        | 10/29/15 13:20     | JDG              |
| Metals (ICPMS) by Method 6020                        | WG824867 | 2        | 10/27/15 19:09        | 10/29/15 14:34     | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824379 | 1        | 10/25/15 21:16        | 10/26/15 20:46     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824595 | 1        | 10/29/15 13:35        | 10/29/15 13:35     | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825127 | 1        | 10/29/15 00:29        | 10/29/15 00:29     | DAH              |
| Wet Chemistry by Method 353.2                        | WG825288 | 10       | 10/29/15 13:49        | 10/29/15 13:49     | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 1        | 10/24/15 21:35        | 10/24/15 21:35     | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 50       | 10/24/15 22:47        | 10/24/15 22:47     | DJD              |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

## MW-48 L796118-14 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 15:15

Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824239 | 1        | 10/26/15 02:24        | 10/27/15 07:39     | JM               |
| Metals (ICPMS) by Method 6020                        | WG824867 | 1        | 10/27/15 19:09        | 10/29/15 13:22     | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824379 | 1        | 10/25/15 21:16        | 10/26/15 22:11     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824595 | 1        | 10/29/15 13:58        | 10/29/15 13:58     | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824575 | 10       | 10/29/15 14:46        | 10/29/15 14:46     | JAH              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825127 | 5        | 10/29/15 00:51        | 10/29/15 00:51     | DAH              |
| Wet Chemistry by Method 353.2                        | WG825288 | 10       | 10/29/15 13:51        | 10/29/15 13:51     | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 1        | 10/24/15 21:50        | 10/24/15 21:50     | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 20       | 10/24/15 23:02        | 10/24/15 23:02     | DJD              |

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## MW-130 L796118-15 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 13:25

Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824239 | 1        | 10/26/15 02:24        | 10/27/15 07:43     | JM               |
| Metals (ICPMS) by Method 6020                        | WG824867 | 1        | 10/27/15 19:09        | 10/29/15 12:35     | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824379 | 1        | 10/25/15 21:16        | 10/26/15 22:28     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824595 | 1        | 10/29/15 14:20        | 10/29/15 14:20     | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824558 | 1        | 10/27/15 01:27        | 10/27/15 01:27     | DWR              |
| Wet Chemistry by Method 353.2                        | WG825288 | 10       | 10/29/15 13:52        | 10/29/15 13:52     | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 1        | 10/24/15 22:04        | 10/24/15 22:04     | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 20       | 10/24/15 23:16        | 10/24/15 23:16     | DJD              |

## MW-109 L796118-16 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 11:45

Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824239 | 1        | 10/26/15 02:24        | 10/27/15 07:42     | JM               |
| Metals (ICPMS) by Method 6020                        | WG824867 | 1        | 10/27/15 19:09        | 10/29/15 13:35     | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824379 | 1        | 10/25/15 21:16        | 10/26/15 22:45     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824598 | 5        | 10/27/15 23:09        | 10/27/15 23:09     | JHH              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825127 | 10       | 10/29/15 01:12        | 10/29/15 01:12     | DAH              |
| Wet Chemistry by Method 353.2                        | WG825288 | 10       | 10/29/15 13:53        | 10/29/15 13:53     | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 1        | 10/24/15 23:59        | 10/24/15 23:59     | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 20       | 10/25/15 00:28        | 10/25/15 00:28     | DJD              |

# SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



## MW-110 L796118-17 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 10:55

Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824239 | 1        | 10/26/15 02:24        | 10/27/15 07:44     | JM               |
| Metals (ICPMS) by Method 6020                        | WG824867 | 1        | 10/27/15 19:09        | 10/29/15 13:37     | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824379 | 1        | 10/25/15 21:16        | 10/26/15 23:02     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824598 | 2        | 10/27/15 23:31        | 10/27/15 23:31     | JHH              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825127 | 5        | 10/29/15 01:34        | 10/29/15 01:34     | DAH              |
| Wet Chemistry by Method 353.2                        | WG825288 | 10       | 10/29/15 13:55        | 10/29/15 13:55     | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 1        | 10/25/15 00:14        | 10/25/15 00:14     | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 20       | 10/25/15 00:43        | 10/25/15 00:43     | DJD              |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

## DUP-REST-02 L796118-18 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 12:00

Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824239 | 1        | 10/26/15 02:24        | 10/27/15 07:36     | JM               |
| Metals (ICPMS) by Method 6020                        | WG824867 | 1        | 10/27/15 19:09        | 10/29/15 13:39     | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824379 | 1        | 10/25/15 21:16        | 10/26/15 23:19     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824598 | 1        | 10/27/15 23:54        | 10/27/15 23:54     | JHH              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824847 | 1        | 10/27/15 22:07        | 10/27/15 22:07     | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825127 | 5        | 10/29/15 01:55        | 10/29/15 01:55     | DAH              |
| Wet Chemistry by Method 353.2                        | WG825288 | 10       | 10/29/15 13:56        | 10/29/15 13:56     | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 1        | 10/24/15 19:54        | 10/24/15 19:54     | DJD              |
| Wet Chemistry by Method 9056MOD                      | WG824952 | 20       | 10/28/15 12:58        | 10/28/15 12:58     | DJD              |

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## EB-REST-02 L796118-19 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 13:35

Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824239 | 1        | 10/26/15 02:24        | 10/27/15 07:42     | JM               |
| Metals (ICPMS) by Method 6020                        | WG824867 | 1        | 10/27/15 19:09        | 10/29/15 13:42     | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824379 | 1        | 10/25/15 21:16        | 10/26/15 23:36     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824598 | 1        | 10/28/15 00:16        | 10/28/15 00:16     | JHH              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824847 | 1        | 10/27/15 22:30        | 10/27/15 22:30     | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825127 | 1        | 10/29/15 02:16        | 10/29/15 02:16     | DAH              |
| Wet Chemistry by Method 353.2                        | WG825288 | 10       | 10/29/15 13:57        | 10/29/15 13:57     | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824158 | 1        | 10/25/15 00:57        | 10/25/15 00:57     | DJD              |

## MW-66 L796118-20 GW

Collected by  
Greg Scherbenske

Collected date/time  
10/20/15 15:40

Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation date/time | Analysis date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|-----------------------|--------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824239 | 1        | 10/26/15 02:24        | 10/27/15 07:43     | JM               |
| Mercury by Method 7470A                              | WG824854 | 1        | 10/27/15 18:45        | 10/28/15 11:37     | TRB              |
| Metals (ICPMS) by Method 6020                        | WG824867 | 1        | 10/27/15 19:09        | 10/29/15 13:44     | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824379 | 1        | 10/25/15 21:16        | 10/26/15 23:53     | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824598 | 1        | 10/28/15 00:38        | 10/28/15 00:38     | JHH              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824847 | 1        | 10/27/15 22:54        | 10/27/15 22:54     | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825127 | 50       | 10/29/15 02:38        | 10/29/15 02:38     | DAH              |
| Wet Chemistry by Method 353.2                        | WG825288 | 10       | 10/29/15 13:58        | 10/29/15 13:58     | ASK              |
| Wet Chemistry by Method 9012B                        | WG824892 | 1        | 10/28/15 00:58        | 10/29/15 10:45     | DR               |
| Wet Chemistry by Method 9056MOD                      | WG824162 | 1        | 10/24/15 17:53        | 10/24/15 17:53     | CM               |
| Wet Chemistry by Method 9056MOD                      | WG824162 | 20       | 10/24/15 18:08        | 10/24/15 18:08     | CM               |



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord  
Technical Service Representative

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result | Qualifier | MDL   | RDL      | Dilution | Analysis         | Batch                    |
|-----------------------------|--------|-----------|-------|----------|----------|------------------|--------------------------|
|                             | ug/l   |           | ug/l  | ug/l     |          | date / time      |                          |
| Acetone                     | U      |           | 10.0  | 50.0     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Benzene                     | U      |           | 0.331 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Bromodichloromethane        | U      |           | 0.380 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Bromoform                   | U      |           | 0.469 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Bromomethane                | U      |           | 0.866 | 5.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| n-Butylbenzene              | U      |           | 0.361 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| sec-Butylbenzene            | U      |           | 0.365 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Carbon disulfide            | U      |           | 0.275 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Carbon tetrachloride        | U      |           | 0.379 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Chlorobenzene               | U      |           | 0.348 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Chlorodibromomethane        | U      |           | 0.327 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Chloroethane                | U      |           | 0.453 | 5.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Chloroform                  | U      |           | 0.324 | 5.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Chloromethane               | U      |           | 0.276 | 2.50     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| 1,2-Dibromoethane           | U      |           | 0.381 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| 1,1-Dichloroethane          | U      |           | 0.259 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| 1,2-Dichloroethane          | U      |           | 0.361 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| 1,1-Dichloroethene          | U      |           | 0.398 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| cis-1,2-Dichloroethene      | U      |           | 0.260 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| trans-1,2-Dichloroethene    | U      |           | 0.396 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| 1,2-Dichloropropane         | U      |           | 0.306 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| cis-1,3-Dichloropropene     | U      |           | 0.418 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| trans-1,3-Dichloropropene   | U      |           | 0.419 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Ethylbenzene                | U      |           | 0.384 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Isopropylbenzene            | U      |           | 0.326 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| p-Isopropyltoluene          | U      |           | 0.350 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| 2-Butanone (MEK)            | U      |           | 3.93  | 10.0     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| 2-Hexanone                  | U      |           | 3.82  | 10.0     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Methylene Chloride          | U      |           | 1.00  | 5.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| 4-Methyl-2-pentanone (MIBK) | U      |           | 2.14  | 10.0     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Methyl tert-butyl ether     | U      |           | 0.367 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Naphthalene                 | U      |           | 1.00  | 5.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| n-Propylbenzene             | U      |           | 0.349 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Styrene                     | U      |           | 0.307 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| 1,1,1,2-Tetrachloroethane   | U      |           | 0.385 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| 1,1,2,2-Tetrachloroethane   | U      |           | 0.130 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Tetrachloroethene           | U      |           | 0.372 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Toluene                     | U      |           | 0.780 | 5.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| 1,1,1-Trichloroethane       | U      |           | 0.319 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| 1,1,2-Trichloroethane       | U      |           | 0.383 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Trichloroethene             | U      |           | 0.398 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| 1,2,4-Trimethylbenzene      | U      |           | 0.373 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| 1,3,5-Trimethylbenzene      | U      |           | 0.387 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Vinyl chloride              | U      |           | 0.259 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| o-Xylene                    | U      |           | 0.341 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| m&p-Xylene                  | U      |           | 0.719 | 1.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| Xylenes, Total              | U      |           | 1.06  | 3.00     | 1        | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| (S) Toluene-d8              | 97.8   |           |       | 90.0-115 |          | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| (S) Dibromofluoromethane    | 93.0   |           |       | 79.0-121 |          | 10/28/2015 11:22 | <a href="#">WG824656</a> |
| (S) 4-Bromofluorobenzene    | 92.6   |           |       | 80.1-120 |          | 10/28/2015 11:22 | <a href="#">WG824656</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 2230000 |           | 2820 | 10000 | 1        | 10/27/2015 07:26 | <a href="#">WG824238</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 1530   |           | 197  | 1000 | 10       | 10/29/2015 13:32 | <a href="#">WG825288</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 142000  |           | 1040 | 20000  | 20       | 10/24/2015 16:33 | <a href="#">WG824158</a> |
| Fluoride | 335     |           | 9.90 | 100    | 1        | 10/24/2015 15:34 | <a href="#">WG824158</a> |
| Sulfate  | 1520000 |           | 1550 | 100000 | 20       | 10/24/2015 16:33 | <a href="#">WG824158</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Calcium   | 396000 |           | 46.0 | 1000 | 1        | 10/29/2015 12:44 | <a href="#">WG824867</a> |
| Potassium | 2120   |           | 37.0 | 1000 | 1        | 10/29/2015 12:44 | <a href="#">WG824867</a> |
| Sodium    | 105000 |           | 110  | 1000 | 1        | 10/29/2015 12:44 | <a href="#">WG824867</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                             | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone                     | U      |           | 10.0  | 50.0 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| Benzene                     | U      |           | 0.331 | 1.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| Bromodichloromethane        | U      |           | 0.380 | 1.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| Bromoform                   | U      |           | 0.469 | 1.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| Bromomethane                | U      |           | 0.866 | 5.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| n-Butylbenzene              | U      |           | 0.361 | 1.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| sec-Butylbenzene            | U      |           | 0.365 | 1.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| Carbon disulfide            | U      |           | 0.275 | 1.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| Carbon tetrachloride        | U      |           | 0.379 | 1.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| Chlorobenzene               | U      |           | 0.348 | 1.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| Chlorodibromomethane        | U      |           | 0.327 | 1.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| Chloroethane                | U      |           | 0.453 | 5.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| Chloroform                  | U      |           | 0.324 | 5.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| Chloromethane               | U      |           | 0.276 | 2.50 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| 1,2-Dibromoethane           | U      |           | 0.381 | 1.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| 1,1-Dichloroethane          | U      |           | 0.259 | 1.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| 1,2-Dichloroethane          | 1.54   |           | 0.361 | 1.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| 1,1-Dichloroethene          | U      |           | 0.398 | 1.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| cis-1,2-Dichloroethene      | U      |           | 0.260 | 1.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| trans-1,2-Dichloroethene    | U      |           | 0.396 | 1.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| 1,2-Dichloropropane         | U      |           | 0.306 | 1.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| cis-1,3-Dichloropropene     | U      |           | 0.418 | 1.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| trans-1,3-Dichloropropene   | U      |           | 0.419 | 1.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| Ethylbenzene                | U      |           | 0.384 | 1.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| Isopropylbenzene            | U      |           | 0.326 | 1.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| p-Isopropyltoluene          | U      |           | 0.350 | 1.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| 2-Butanone (MEK)            | U      |           | 3.93  | 10.0 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| 2-Hexanone                  | U      |           | 3.82  | 10.0 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| Methylene Chloride          | U      |           | 1.00  | 5.00 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |
| 4-Methyl-2-pentanone (MIBK) | U      |           | 2.14  | 10.0 | 1        | 10/26/2015 15:02 | <a href="#">WG824432</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| Methyl tert-butyl ether   | 8.58           |           | 0.367       | 1.00        | 1        | 10/26/2015 15:02        | <a href="#">WG824432</a> |
| Naphthalene               | U              |           | 1.00        | 5.00        | 1        | 10/26/2015 15:02        | <a href="#">WG824432</a> |
| n-Propylbenzene           | U              |           | 0.349       | 1.00        | 1        | 10/26/2015 15:02        | <a href="#">WG824432</a> |
| Styrene                   | U              |           | 0.307       | 1.00        | 1        | 10/26/2015 15:02        | <a href="#">WG824432</a> |
| 1,1,1,2-Tetrachloroethane | U              |           | 0.385       | 1.00        | 1        | 10/26/2015 15:02        | <a href="#">WG824432</a> |
| 1,1,2,2-Tetrachloroethane | U              |           | 0.130       | 1.00        | 1        | 10/26/2015 15:02        | <a href="#">WG824432</a> |
| Tetrachloroethene         | U              |           | 0.372       | 1.00        | 1        | 10/26/2015 15:02        | <a href="#">WG824432</a> |
| Toluene                   | U              |           | 0.780       | 5.00        | 1        | 10/26/2015 15:02        | <a href="#">WG824432</a> |
| 1,1,1-Trichloroethane     | U              |           | 0.319       | 1.00        | 1        | 10/26/2015 15:02        | <a href="#">WG824432</a> |
| 1,1,2-Trichloroethane     | U              |           | 0.383       | 1.00        | 1        | 10/26/2015 15:02        | <a href="#">WG824432</a> |
| Trichloroethene           | U              |           | 0.398       | 1.00        | 1        | 10/26/2015 15:02        | <a href="#">WG824432</a> |
| 1,2,4-Trimethylbenzene    | U              |           | 0.373       | 1.00        | 1        | 10/26/2015 15:02        | <a href="#">WG824432</a> |
| 1,3,5-Trimethylbenzene    | U              |           | 0.387       | 1.00        | 1        | 10/26/2015 15:02        | <a href="#">WG824432</a> |
| Vinyl chloride            | U              |           | 0.259       | 1.00        | 1        | 10/26/2015 15:02        | <a href="#">WG824432</a> |
| o-Xylene                  | U              |           | 0.341       | 1.00        | 1        | 10/26/2015 15:02        | <a href="#">WG824432</a> |
| m&p-Xylene                | U              |           | 0.719       | 1.00        | 1        | 10/26/2015 15:02        | <a href="#">WG824432</a> |
| Xylenes, Total            | U              |           | 1.06        | 3.00        | 1        | 10/26/2015 15:02        | <a href="#">WG824432</a> |
| (S) Toluene-d8            | 104            |           |             | 90.0-115    |          | 10/26/2015 15:02        | <a href="#">WG824432</a> |
| (S) Dibromofluoromethane  | 99.1           |           |             | 79.0-121    |          | 10/26/2015 15:02        | <a href="#">WG824432</a> |
| (S) 4-Bromofluorobenzene  | 91.6           |           |             | 80.1-120    |          | 10/26/2015 15:02        | <a href="#">WG824432</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc





## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 2290000 |           | 2820 | 10000 | 1        | 10/27/2015 07:25 | <a href="#">WG824238</a> |

1 Cp

2 Tc

3 Ss

4 Cn

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 269    | J         | 197  | 1000 | 10       | 10/29/2015 13:33 | <a href="#">WG825288</a> |

5 Sr

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 145000  |           | 1040 | 20000  | 20       | 10/24/2015 16:47 | <a href="#">WG824158</a> |
| Fluoride | 324     |           | 9.90 | 100    | 1        | 10/24/2015 15:50 | <a href="#">WG824158</a> |
| Sulfate  | 1470000 |           | 1550 | 100000 | 20       | 10/24/2015 16:47 | <a href="#">WG824158</a> |

6 Qc

7 Gl

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Calcium   | 417000 |           | 46.0 | 1000 | 1        | 10/29/2015 12:48 | <a href="#">WG824867</a> |
| Potassium | 2260   |           | 37.0 | 1000 | 1        | 10/29/2015 12:48 | <a href="#">WG824867</a> |
| Sodium    | 104000 |           | 110  | 1000 | 1        | 10/29/2015 12:48 | <a href="#">WG824867</a> |

8 Al

9 Sc

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                             | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone                     | U      |           | 10.0  | 50.0 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| Benzene                     | U      |           | 0.331 | 1.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| Bromodichloromethane        | U      |           | 0.380 | 1.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| Bromoform                   | U      |           | 0.469 | 1.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| Bromomethane                | U      |           | 0.866 | 5.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| n-Butylbenzene              | U      |           | 0.361 | 1.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| sec-Butylbenzene            | U      |           | 0.365 | 1.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| Carbon disulfide            | U      |           | 0.275 | 1.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| Carbon tetrachloride        | U      |           | 0.379 | 1.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| Chlorobenzene               | U      |           | 0.348 | 1.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| Chlorodibromomethane        | U      |           | 0.327 | 1.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| Chloroethane                | U      |           | 0.453 | 5.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| Chloroform                  | U      |           | 0.324 | 5.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| Chloromethane               | U      |           | 0.276 | 2.50 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| 1,2-Dibromoethane           | U      |           | 0.381 | 1.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| 1,1-Dichloroethane          | U      |           | 0.259 | 1.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| 1,2-Dichloroethane          | U      |           | 0.361 | 1.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| 1,1-Dichloroethene          | U      |           | 0.398 | 1.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| cis-1,2-Dichloroethene      | U      |           | 0.260 | 1.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| trans-1,2-Dichloroethene    | U      |           | 0.396 | 1.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| 1,2-Dichloropropane         | U      |           | 0.306 | 1.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| cis-1,3-Dichloropropene     | U      |           | 0.418 | 1.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| trans-1,3-Dichloropropene   | U      |           | 0.419 | 1.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| Ethylbenzene                | U      |           | 0.384 | 1.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| Isopropylbenzene            | U      |           | 0.326 | 1.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| p-Isopropyltoluene          | U      |           | 0.350 | 1.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| 2-Butanone (MEK)            | U      |           | 3.93  | 10.0 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| 2-Hexanone                  | U      |           | 3.82  | 10.0 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| Methylene Chloride          | U      |           | 1.00  | 5.00 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |
| 4-Methyl-2-pentanone (MIBK) | U      |           | 2.14  | 10.0 | 1        | 10/26/2015 15:22 | <a href="#">WG824432</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| Methyl tert-butyl ether   | 3.94           |           | 0.367       | 1.00        | 1        | 10/26/2015 15:22        | <a href="#">WG824432</a> |
| Naphthalene               | U              |           | 1.00        | 5.00        | 1        | 10/26/2015 15:22        | <a href="#">WG824432</a> |
| n-Propylbenzene           | U              |           | 0.349       | 1.00        | 1        | 10/26/2015 15:22        | <a href="#">WG824432</a> |
| Styrene                   | U              |           | 0.307       | 1.00        | 1        | 10/26/2015 15:22        | <a href="#">WG824432</a> |
| 1,1,1,2-Tetrachloroethane | U              |           | 0.385       | 1.00        | 1        | 10/26/2015 15:22        | <a href="#">WG824432</a> |
| 1,1,2,2-Tetrachloroethane | U              |           | 0.130       | 1.00        | 1        | 10/26/2015 15:22        | <a href="#">WG824432</a> |
| Tetrachloroethene         | U              |           | 0.372       | 1.00        | 1        | 10/26/2015 15:22        | <a href="#">WG824432</a> |
| Toluene                   | U              |           | 0.780       | 5.00        | 1        | 10/26/2015 15:22        | <a href="#">WG824432</a> |
| 1,1,1-Trichloroethane     | U              |           | 0.319       | 1.00        | 1        | 10/26/2015 15:22        | <a href="#">WG824432</a> |
| 1,1,2-Trichloroethane     | U              |           | 0.383       | 1.00        | 1        | 10/26/2015 15:22        | <a href="#">WG824432</a> |
| Trichloroethene           | U              |           | 0.398       | 1.00        | 1        | 10/26/2015 15:22        | <a href="#">WG824432</a> |
| 1,2,4-Trimethylbenzene    | U              |           | 0.373       | 1.00        | 1        | 10/26/2015 15:22        | <a href="#">WG824432</a> |
| 1,3,5-Trimethylbenzene    | U              |           | 0.387       | 1.00        | 1        | 10/26/2015 15:22        | <a href="#">WG824432</a> |
| Vinyl chloride            | U              |           | 0.259       | 1.00        | 1        | 10/26/2015 15:22        | <a href="#">WG824432</a> |
| o-Xylene                  | U              |           | 0.341       | 1.00        | 1        | 10/26/2015 15:22        | <a href="#">WG824432</a> |
| m&p-Xylene                | U              |           | 0.719       | 1.00        | 1        | 10/26/2015 15:22        | <a href="#">WG824432</a> |
| Xylenes, Total            | U              |           | 1.06        | 3.00        | 1        | 10/26/2015 15:22        | <a href="#">WG824432</a> |
| (S) Toluene-d8            | 104            |           |             | 90.0-115    |          | 10/26/2015 15:22        | <a href="#">WG824432</a> |
| (S) Dibromofluoromethane  | 99.9           |           |             | 79.0-121    |          | 10/26/2015 15:22        | <a href="#">WG824432</a> |
| (S) 4-Bromofluorobenzene  | 92.8           |           |             | 80.1-120    |          | 10/26/2015 15:22        | <a href="#">WG824432</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 4020000 |           | 2820 | 10000 | 1        | 10/27/2015 07:25 | <a href="#">WG824238</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 22100  |           | 197  | 1000 | 10       | 10/29/2015 13:34 | <a href="#">WG825288</a> |

## Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|------|------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Cyanide | U      | F         | 1.80 | 5.00 | 1        | 10/30/2015 09:52 | <a href="#">WG825461</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 265000  |           | 2600 | 50000  | 50       | 10/24/2015 17:01 | <a href="#">WG824158</a> |
| Fluoride | 1560    |           | 9.90 | 100    | 1        | 10/24/2015 16:04 | <a href="#">WG824158</a> |
| Sulfate  | 2740000 |           | 3870 | 250000 | 50       | 10/24/2015 17:01 | <a href="#">WG824158</a> |

## Mercury by Method 7470A

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|--------|-------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l   | ug/l  |          | date / time      |                          |
| Mercury | U      |           | 0.0490 | 0.200 | 1        | 10/28/2015 11:30 | <a href="#">WG824854</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 3.81   |           | 0.250 | 2.00 | 1        | 10/29/2015 12:55 | <a href="#">WG824867</a> |
| Barium    | 103    |           | 0.360 | 5.00 | 1        | 10/29/2015 12:55 | <a href="#">WG824867</a> |
| Calcium   | 706000 |           | 92.0  | 2000 | 2        | 10/29/2015 14:25 | <a href="#">WG824867</a> |
| Chromium  | 3.65   |           | 0.540 | 2.00 | 1        | 10/29/2015 12:55 | <a href="#">WG824867</a> |
| Iron      | 1180   |           | 15.0  | 100  | 1        | 10/29/2015 12:55 | <a href="#">WG824867</a> |
| Lead      | 2.18   |           | 0.240 | 2.00 | 1        | 10/29/2015 12:55 | <a href="#">WG824867</a> |
| Manganese | 204    |           | 0.250 | 5.00 | 1        | 10/29/2015 12:55 | <a href="#">WG824867</a> |
| Nickel    | 4.25   |           | 0.350 | 2.00 | 1        | 10/29/2015 12:55 | <a href="#">WG824867</a> |
| Potassium | 3200   |           | 37.0  | 1000 | 1        | 10/29/2015 12:55 | <a href="#">WG824867</a> |
| Selenium  | 4.63   |           | 0.380 | 2.00 | 1        | 10/29/2015 12:55 | <a href="#">WG824867</a> |
| Sodium    | 144000 |           | 110   | 1000 | 1        | 10/29/2015 12:55 | <a href="#">WG824867</a> |
| Vanadium  | 21.2   |           | 0.180 | 5.00 | 1        | 10/29/2015 12:55 | <a href="#">WG824867</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/29/2015 11:23 | <a href="#">WG824595</a> |
| (S) a,a,a-Trifluorotoluene(FID) 90.7 |        |           |      | 62.0-128 |          | 10/29/2015 11:23 | <a href="#">WG824595</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/26/2015 15:43 | <a href="#">WG824432</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/26/2015 15:43 | <a href="#">WG824432</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/26/2015 15:43 | <a href="#">WG824432</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| Bromoform                   | U              |           | 0.469       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| Bromomethane                | U              |           | 0.866       | 5.00        | 1        | 10/26/2015 15:43        | WG824432 |
| n-Butylbenzene              | U              |           | 0.361       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| sec-Butylbenzene            | U              |           | 0.365       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| Carbon disulfide            | U              |           | 0.275       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| Carbon tetrachloride        | U              |           | 0.379       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| Chlorobenzene               | U              |           | 0.348       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| Chlorodibromomethane        | U              |           | 0.327       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| Chloroethane                | U              |           | 0.453       | 5.00        | 1        | 10/26/2015 15:43        | WG824432 |
| Chloroform                  | U              |           | 0.324       | 5.00        | 1        | 10/26/2015 15:43        | WG824432 |
| Chloromethane               | U              |           | 0.276       | 2.50        | 1        | 10/26/2015 15:43        | WG824432 |
| 1,2-Dibromoethane           | U              |           | 0.381       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| 1,1-Dichloroethane          | U              |           | 0.259       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/26/2015 15:43        | WG824432 |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/26/2015 15:43        | WG824432 |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/26/2015 15:43        | WG824432 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/26/2015 15:43        | WG824432 |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/26/2015 15:43        | WG824432 |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/26/2015 15:43        | WG824432 |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/26/2015 15:43        | WG824432 |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/26/2015 15:43        | WG824432 |
| (S) Toluene-d8              | 103            |           |             | 90.0-115    |          | 10/26/2015 15:43        | WG824432 |
| (S) Dibromofluoromethane    | 101            |           |             | 79.0-121    |          | 10/26/2015 15:43        | WG824432 |
| (S) 4-Bromofluorobenzene    | 91.2           |           |             | 80.1-120    |          | 10/26/2015 15:43        | WG824432 |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) High Fraction | 72.1           | J         | 24.7        | 100         | 1        | 10/26/2015 18:12        | WG824379 |
| (S) o-Terphenyl            | 83.2           |           |             | 50.0-150    |          | 10/26/2015 18:12        | WG824379 |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 3490000 |           | 2820 | 10000 | 1        | 10/27/2015 07:25 | <a href="#">WG824238</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 4550   |           | 197  | 1000 | 10       | 10/29/2015 13:35 | <a href="#">WG825288</a> |

## Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|------|------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Cyanide | U      |           | 1.80 | 5.00 | 1        | 10/29/2015 10:41 | <a href="#">WG824892</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 138000  |           | 2600 | 50000  | 50       | 10/24/2015 17:16 | <a href="#">WG824158</a> |
| Fluoride | 618     |           | 9.90 | 100    | 1        | 10/24/2015 16:18 | <a href="#">WG824158</a> |
| Sulfate  | 2730000 |           | 3870 | 250000 | 50       | 10/24/2015 17:16 | <a href="#">WG824158</a> |

## Mercury by Method 7470A

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|--------|-------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l   | ug/l  |          | date / time      |                          |
| Mercury | U      |           | 0.0490 | 0.200 | 1        | 10/28/2015 11:24 | <a href="#">WG824854</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 2.42   |           | 0.250 | 2.00 | 1        | 10/29/2015 13:01 | <a href="#">WG824867</a> |
| Barium    | 17.0   |           | 0.360 | 5.00 | 1        | 10/29/2015 13:01 | <a href="#">WG824867</a> |
| Calcium   | 560000 |           | 92.0  | 2000 | 2        | 10/29/2015 14:32 | <a href="#">WG824867</a> |
| Chromium  | 0.659  | J         | 0.540 | 2.00 | 1        | 10/29/2015 13:01 | <a href="#">WG824867</a> |
| Iron      | 28.5   | J         | 15.0  | 100  | 1        | 10/29/2015 13:01 | <a href="#">WG824867</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/29/2015 13:01 | <a href="#">WG824867</a> |
| Manganese | 0.862  | J         | 0.250 | 5.00 | 1        | 10/29/2015 13:01 | <a href="#">WG824867</a> |
| Nickel    | 0.959  | J         | 0.350 | 2.00 | 1        | 10/29/2015 13:01 | <a href="#">WG824867</a> |
| Potassium | 963    | J         | 37.0  | 1000 | 1        | 10/29/2015 13:01 | <a href="#">WG824867</a> |
| Selenium  | 3.68   |           | 0.380 | 2.00 | 1        | 10/29/2015 13:01 | <a href="#">WG824867</a> |
| Sodium    | 155000 |           | 110   | 1000 | 1        | 10/29/2015 13:01 | <a href="#">WG824867</a> |
| Vanadium  | 13.9   |           | 0.180 | 5.00 | 1        | 10/29/2015 13:01 | <a href="#">WG824867</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/29/2015 11:45 | <a href="#">WG824595</a> |
| (S) a,a,a-Trifluorotoluene(FID) 90.6 |        |           |      | 62.0-128 |          | 10/29/2015 11:45 | <a href="#">WG824595</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/26/2015 16:05 | <a href="#">WG824432</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/26/2015 16:05 | <a href="#">WG824432</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/26/2015 16:05 | <a href="#">WG824432</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| Bromoform                   | U              |           | 0.469       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| Bromomethane                | U              |           | 0.866       | 5.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| n-Butylbenzene              | U              |           | 0.361       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| sec-Butylbenzene            | U              |           | 0.365       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| Carbon disulfide            | U              |           | 0.275       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| Carbon tetrachloride        | U              |           | 0.379       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| Chlorobenzene               | U              |           | 0.348       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| Chlorodibromomethane        | U              |           | 0.327       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| Chloroethane                | U              |           | 0.453       | 5.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| Chloroform                  | U              |           | 0.324       | 5.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| Chloromethane               | U              |           | 0.276       | 2.50        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| 1,2-Dibromoethane           | U              |           | 0.381       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| 1,1-Dichloroethane          | U              |           | 0.259       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| (S) Toluene-d8              | 103            |           |             | 90.0-115    |          | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| (S) Dibromofluoromethane    | 102            |           |             | 79.0-121    |          | 10/26/2015 16:05        | <a href="#">WG824432</a> |
| (S) 4-Bromofluorobenzene    | 91.8           |           |             | 80.1-120    |          | 10/26/2015 16:05        | <a href="#">WG824432</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | U              |           | 24.7        | 100         | 1        | 10/26/2015 18:29        | <a href="#">WG824379</a> |
| (S) o-Terphenyl            | 82.1           |           |             | 50.0-150    |          | 10/26/2015 18:29        | <a href="#">WG824379</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 3320000 |           | 2820 | 10000 | 1        | 10/27/2015 07:25 | <a href="#">WG824238</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 4770   |           | 197  | 1000 | 10       | 10/29/2015 13:36 | <a href="#">WG825288</a> |

## Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|------|------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Cyanide | U      |           | 1.80 | 5.00 | 1        | 10/29/2015 10:42 | <a href="#">WG824892</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 124000  |           | 2600 | 50000  | 50       | 10/24/2015 18:57 | <a href="#">WG824158</a> |
| Fluoride | 398     |           | 9.90 | 100    | 1        | 10/24/2015 17:59 | <a href="#">WG824158</a> |
| Sulfate  | 2580000 |           | 3870 | 250000 | 50       | 10/24/2015 18:57 | <a href="#">WG824158</a> |

## Mercury by Method 7470A

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|--------|-------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l   | ug/l  |          | date / time      |                          |
| Mercury | U      |           | 0.0490 | 0.200 | 1        | 10/28/2015 11:33 | <a href="#">WG824854</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 1.82   | J         | 0.250 | 2.00 | 1        | 10/29/2015 13:04 | <a href="#">WG824867</a> |
| Barium    | 11.8   |           | 0.360 | 5.00 | 1        | 10/29/2015 13:04 | <a href="#">WG824867</a> |
| Calcium   | 537000 |           | 46.0  | 1000 | 1        | 10/29/2015 13:04 | <a href="#">WG824867</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/29/2015 13:04 | <a href="#">WG824867</a> |
| Iron      | 17.5   | J         | 15.0  | 100  | 1        | 10/29/2015 13:04 | <a href="#">WG824867</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/29/2015 13:04 | <a href="#">WG824867</a> |
| Manganese | 1.17   | J         | 0.250 | 5.00 | 1        | 10/29/2015 13:04 | <a href="#">WG824867</a> |
| Nickel    | 1.20   | J         | 0.350 | 2.00 | 1        | 10/29/2015 13:04 | <a href="#">WG824867</a> |
| Potassium | 537    | J         | 37.0  | 1000 | 1        | 10/29/2015 13:04 | <a href="#">WG824867</a> |
| Selenium  | 3.70   |           | 0.380 | 2.00 | 1        | 10/29/2015 13:04 | <a href="#">WG824867</a> |
| Sodium    | 131000 |           | 110   | 1000 | 1        | 10/29/2015 13:04 | <a href="#">WG824867</a> |
| Vanadium  | 12.9   |           | 0.180 | 5.00 | 1        | 10/29/2015 13:04 | <a href="#">WG824867</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/29/2015 12:07 | <a href="#">WG824595</a> |
| (S) a,a,a-Trifluorotoluene(FID) 90.8 |        |           |      | 62.0-128 |          | 10/29/2015 12:07 | <a href="#">WG824595</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/26/2015 16:26 | <a href="#">WG824432</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/26/2015 16:26 | <a href="#">WG824432</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/26/2015 16:26 | <a href="#">WG824432</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| Bromoform                   | U              |           | 0.469       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| Bromomethane                | U              |           | 0.866       | 5.00        | 1        | 10/26/2015 16:26        | WG824432 |
| n-Butylbenzene              | U              |           | 0.361       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| sec-Butylbenzene            | U              |           | 0.365       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| Carbon disulfide            | U              |           | 0.275       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| Carbon tetrachloride        | U              |           | 0.379       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| Chlorobenzene               | U              |           | 0.348       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| Chlorodibromomethane        | U              |           | 0.327       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| Chloroethane                | U              |           | 0.453       | 5.00        | 1        | 10/26/2015 16:26        | WG824432 |
| Chloroform                  | U              |           | 0.324       | 5.00        | 1        | 10/26/2015 16:26        | WG824432 |
| Chloromethane               | U              |           | 0.276       | 2.50        | 1        | 10/26/2015 16:26        | WG824432 |
| 1,2-Dibromoethane           | U              |           | 0.381       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| 1,1-Dichloroethane          | U              |           | 0.259       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/26/2015 16:26        | WG824432 |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/26/2015 16:26        | WG824432 |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/26/2015 16:26        | WG824432 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/26/2015 16:26        | WG824432 |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/26/2015 16:26        | WG824432 |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/26/2015 16:26        | WG824432 |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/26/2015 16:26        | WG824432 |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/26/2015 16:26        | WG824432 |
| (S) Toluene-d8              | 105            |           |             | 90.0-115    |          | 10/26/2015 16:26        | WG824432 |
| (S) Dibromofluoromethane    | 101            |           |             | 79.0-121    |          | 10/26/2015 16:26        | WG824432 |
| (S) 4-Bromofluorobenzene    | 92.6           |           |             | 80.1-120    |          | 10/26/2015 16:26        | WG824432 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) High Fraction | U              |           | 24.7        | 100         | 1        | 10/26/2015 18:46        | WG824379 |
| (S) o-Terphenyl            | 99.9           |           |             | 50.0-150    |          | 10/26/2015 18:46        | WG824379 |





## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 1540000 |           | 2820 | 10000 | 1        | 10/27/2015 07:27 | <a href="#">WG824238</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 243    | J         | 197  | 1000 | 10       | 10/29/2015 13:38 | <a href="#">WG825288</a> |

6 Qc

7 Gl

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|-------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l  |          | date / time      |                          |
| Chloride | 575000 |           | 1040 | 20000 | 20       | 10/24/2015 19:11 | <a href="#">WG824158</a> |
| Fluoride | 853    |           | 9.90 | 100   | 1        | 10/24/2015 18:13 | <a href="#">WG824158</a> |
| Sulfate  | 6810   |           | 77.4 | 5000  | 1        | 10/24/2015 18:13 | <a href="#">WG824158</a> |

8 Al

9 Sc

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 20.9   |           | 0.250 | 2.00 | 1        | 10/29/2015 13:06 | <a href="#">WG824867</a> |
| Barium    | 3650   |           | 0.360 | 5.00 | 1        | 10/29/2015 13:06 | <a href="#">WG824867</a> |
| Calcium   | 228000 |           | 46.0  | 1000 | 1        | 10/29/2015 13:06 | <a href="#">WG824867</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/29/2015 13:06 | <a href="#">WG824867</a> |
| Iron      | 3220   |           | 15.0  | 100  | 1        | 10/29/2015 13:06 | <a href="#">WG824867</a> |
| Lead      | 0.340  | J         | 0.240 | 2.00 | 1        | 10/29/2015 13:06 | <a href="#">WG824867</a> |
| Manganese | 1590   |           | 0.250 | 5.00 | 1        | 10/29/2015 13:06 | <a href="#">WG824867</a> |
| Potassium | 1600   |           | 37.0  | 1000 | 1        | 10/29/2015 13:06 | <a href="#">WG824867</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/29/2015 13:06 | <a href="#">WG824867</a> |
| Sodium    | 203000 |           | 110   | 1000 | 1        | 10/29/2015 13:06 | <a href="#">WG824867</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|---------------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone                   | U      |           | 10.0  | 50.0 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |
| Benzene                   | 1200   | *         | 16.6  | 50.0 | 50       | 10/28/2015 23:47 | <a href="#">WG825127</a> |
| Bromodichloromethane      | U      | -         | 0.380 | 1.00 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |
| Bromoform                 | U      |           | 0.469 | 1.00 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |
| Bromomethane              | U      |           | 0.866 | 5.00 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |
| n-Butylbenzene            | 1.73   |           | 0.361 | 1.00 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |
| sec-Butylbenzene          | 3.14   |           | 0.365 | 1.00 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |
| Carbon disulfide          | U      |           | 0.275 | 1.00 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |
| Carbon tetrachloride      | U      |           | 0.379 | 1.00 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |
| Chlorobenzene             | U      |           | 0.348 | 1.00 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |
| Chlorodibromomethane      | U      |           | 0.327 | 1.00 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |
| Chloroethane              | U      |           | 0.453 | 5.00 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |
| Chloroform                | U      |           | 0.324 | 5.00 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |
| Chloromethane             | U      |           | 0.276 | 2.50 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |
| 1,2-Dibromoethane         | U      |           | 0.381 | 1.00 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |
| 1,1-Dichloroethane        | U      |           | 0.259 | 1.00 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |
| 1,2-Dichloroethane        | U      |           | 0.361 | 1.00 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |
| 1,1-Dichloroethene        | U      |           | 0.398 | 1.00 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |
| cis-1,2-Dichloroethene    | U      |           | 0.260 | 1.00 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |
| trans-1,2-Dichloroethene  | U      |           | 0.396 | 1.00 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |
| 1,2-Dichloropropane       | U      |           | 0.306 | 1.00 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |
| cis-1,3-Dichloropropene   | U      |           | 0.418 | 1.00 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |
| trans-1,3-Dichloropropene | U      |           | 0.419 | 1.00 | 1        | 10/26/2015 16:47 | <a href="#">WG824432</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| Ethylbenzene                | 15.1           |           | 0.384       | 1.00        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| Isopropylbenzene            | 16.1           |           | 0.326       | 1.00        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| p-Isopropyltoluene          | 0.434          | J         | 0.350       | 1.00        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| Methyl tert-butyl ether     | 10700          |           | 184         | 500         | 500      | 10/29/2015 14:28        | <a href="#">WG824575</a> |
| Naphthalene                 | 15.6           |           | 1.00        | 5.00        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| n-Propylbenzene             | 27.6           |           | 0.349       | 1.00        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| Toluene                     | 5.78           |           | 0.780       | 5.00        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| 1,2,4-Trimethylbenzene      | 3.34           |           | 0.373       | 1.00        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| 1,3,5-Trimethylbenzene      | 1.79           |           | 0.387       | 1.00        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| o-Xylene                    | 3.12           |           | 0.341       | 1.00        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| m&p-Xylene                  | 13.5           |           | 0.719       | 1.00        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| Xylenes, Total              | 16.6           |           | 1.06        | 3.00        | 1        | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| (S) Toluene-d8              | 103            |           |             | 90.0-115    |          | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| (S) Dibromofluoromethane    | 92.5           |           |             | 79.0-121    |          | 10/26/2015 16:47        | <a href="#">WG824432</a> |
| (S) 4-Bromofluorobenzene    | 92.6           |           |             | 80.1-120    |          | 10/26/2015 16:47        | <a href="#">WG824432</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 1390           |           | 24.7        | 100         | 1        | 10/26/2015 19:04        | <a href="#">WG824379</a> |
| (S) o-Terphenyl            | 97.2           |           |             | 50.0-150    |          | 10/26/2015 19:04        | <a href="#">WG824379</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 1410000 |           | 2820 | 10000 | 1        | 10/27/2015 07:26 | <a href="#">WG824238</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 273    | J         | 197  | 1000 | 10       | 10/29/2015 13:39 | <a href="#">WG825288</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 265000 |           | 1040 | 20000  | 20       | 10/24/2015 19:26 | <a href="#">WG824158</a> |
| Fluoride | 935    |           | 9.90 | 100    | 1        | 10/24/2015 18:28 | <a href="#">WG824158</a> |
| Sulfate  | 264000 |           | 1550 | 100000 | 20       | 10/24/2015 19:26 | <a href="#">WG824158</a> |

## Mercury by Method 7470A

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|--------|-------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l   | ug/l  |          | date / time      |                          |
| Mercury | U      |           | 0.0490 | 0.200 | 1        | 10/28/2015 11:35 | <a href="#">WG824854</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 12.4   |           | 0.250 | 2.00 | 1        | 10/29/2015 13:08 | <a href="#">WG824867</a> |
| Barium    | 136    |           | 0.360 | 5.00 | 1        | 10/29/2015 13:08 | <a href="#">WG824867</a> |
| Calcium   | 229000 |           | 46.0  | 1000 | 1        | 10/29/2015 13:08 | <a href="#">WG824867</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/29/2015 13:08 | <a href="#">WG824867</a> |
| Iron      | 558    |           | 15.0  | 100  | 1        | 10/29/2015 13:08 | <a href="#">WG824867</a> |
| Lead      | 1.37   | J         | 0.240 | 2.00 | 1        | 10/29/2015 13:08 | <a href="#">WG824867</a> |
| Manganese | 2040   |           | 0.250 | 5.00 | 1        | 10/29/2015 13:08 | <a href="#">WG824867</a> |
| Nickel    | 1.86   | J         | 0.350 | 2.00 | 1        | 10/29/2015 13:08 | <a href="#">WG824867</a> |
| Potassium | 181    | J         | 37.0  | 1000 | 1        | 10/29/2015 13:08 | <a href="#">WG824867</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/29/2015 13:08 | <a href="#">WG824867</a> |
| Sodium    | 144000 |           | 110   | 1000 | 1        | 10/29/2015 13:08 | <a href="#">WG824867</a> |
| Vanadium  | 2.39   | J         | 0.180 | 5.00 | 1        | 10/29/2015 13:08 | <a href="#">WG824867</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|------|-------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l | ug/l  |          | date / time      |                          |
| Acetone              | U      |           | 5000 | 25000 | 500      | 10/26/2015 17:07 | <a href="#">WG824432</a> |
| Benzene              | 8610   |           | 166  | 500   | 500      | 10/26/2015 17:07 | <a href="#">WG824432</a> |
| Bromodichloromethane | U      |           | 190  | 500   | 500      | 10/26/2015 17:07 | <a href="#">WG824432</a> |
| Bromoform            | U      |           | 234  | 500   | 500      | 10/26/2015 17:07 | <a href="#">WG824432</a> |
| Bromomethane         | U      |           | 433  | 2500  | 500      | 10/26/2015 17:07 | <a href="#">WG824432</a> |
| n-Butylbenzene       | U      |           | 180  | 500   | 500      | 10/26/2015 17:07 | <a href="#">WG824432</a> |
| sec-Butylbenzene     | U      |           | 182  | 500   | 500      | 10/26/2015 17:07 | <a href="#">WG824432</a> |
| Carbon disulfide     | U      |           | 138  | 500   | 500      | 10/26/2015 17:07 | <a href="#">WG824432</a> |
| Carbon tetrachloride | U      |           | 190  | 500   | 500      | 10/26/2015 17:07 | <a href="#">WG824432</a> |
| Chlorobenzene        | U      |           | 174  | 500   | 500      | 10/26/2015 17:07 | <a href="#">WG824432</a> |
| Chlorodibromomethane | U      |           | 164  | 500   | 500      | 10/26/2015 17:07 | <a href="#">WG824432</a> |
| Chloroethane         | U      |           | 226  | 2500  | 500      | 10/26/2015 17:07 | <a href="#">WG824432</a> |
| Chloroform           | U      |           | 162  | 2500  | 500      | 10/26/2015 17:07 | <a href="#">WG824432</a> |
| Chloromethane        | U      |           | 138  | 1250  | 500      | 10/26/2015 17:07 | <a href="#">WG824432</a> |
| 1,2-Dibromoethane    | U      |           | 190  | 500   | 500      | 10/26/2015 17:07 | <a href="#">WG824432</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,1-Dichloroethane          | U              |           | 130         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| 1,2-Dichloroethane          | U              |           | 180         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| 1,1-Dichloroethene          | U              |           | 199         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| cis-1,2-Dichloroethene      | U              |           | 130         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| trans-1,2-Dichloroethene    | U              |           | 198         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| 1,2-Dichloropropane         | U              |           | 153         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| cis-1,3-Dichloropropene     | U              |           | 209         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| trans-1,3-Dichloropropene   | U              |           | 210         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| Ethylbenzene                | 831            |           | 192         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| Isopropylbenzene            | U              |           | 163         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| p-Isopropyltoluene          | U              |           | 175         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| 2-Butanone (MEK)            | U              |           | 1960        | 5000        | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| 2-Hexanone                  | U              |           | 1910        | 5000        | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| Methylene Chloride          | U              |           | 500         | 2500        | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 1070        | 5000        | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| Methyl tert-butyl ether     | 9070           |           | 184         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| Naphthalene                 | U              |           | 500         | 2500        | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| n-Propylbenzene             | U              |           | 174         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| Styrene                     | U              |           | 154         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 192         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 65.0        | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| Tetrachloroethene           | U              |           | 186         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| Toluene                     | U              |           | 390         | 2500        | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| 1,1,1-Trichloroethane       | U              |           | 160         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| 1,1,2-Trichloroethane       | U              |           | 192         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| Trichloroethene             | U              |           | 199         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| 1,2,4-Trimethylbenzene      | 325            | L         | 186         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 194         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| Vinyl chloride              | U              |           | 130         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| o-Xylene                    | 297            | L         | 170         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| m&p-Xylene                  | 1030           |           | 360         | 500         | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| Xylenes, Total              | 1330           | L         | 530         | 1500        | 500      | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| (S) Toluene-d8              | 104            |           |             | 90.0-115    |          | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| (S) Dibromofluoromethane    | 101            |           |             | 79.0-121    |          | 10/26/2015 17:07        | <a href="#">WG824432</a> |
| (S) 4-Bromofluorobenzene    | 92.0           |           |             | 80.1-120    |          | 10/26/2015 17:07        | <a href="#">WG824432</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 1410           |           | 24.7        | 100         | 1        | 10/26/2015 19:21        | <a href="#">WG824379</a> |
| (S) o-Terphenyl            | 84.0           |           |             | 50.0-150    |          | 10/26/2015 19:21        | <a href="#">WG824379</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 3330000 |           | 2820 | 10000 | 1        | 10/27/2015 07:25 | <a href="#">WG824238</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 12900  |           | 197  | 1000 | 10       | 10/29/2015 13:40 | <a href="#">WG825288</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 541000  |           | 2600 | 50000  | 50       | 10/24/2015 19:40 | <a href="#">WG824158</a> |
| Fluoride | 1690    |           | 9.90 | 100    | 1        | 10/24/2015 18:42 | <a href="#">WG824158</a> |
| Sulfate  | 2050000 |           | 3870 | 250000 | 50       | 10/24/2015 19:40 | <a href="#">WG824158</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 6.60   |           | 0.250 | 2.00 | 1        | 10/29/2015 13:11 | <a href="#">WG824867</a> |
| Barium    | 33.9   |           | 0.360 | 5.00 | 1        | 10/29/2015 13:11 | <a href="#">WG824867</a> |
| Calcium   | 487000 |           | 46.0  | 1000 | 1        | 10/29/2015 13:11 | <a href="#">WG824867</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/29/2015 13:11 | <a href="#">WG824867</a> |
| Iron      | 301    |           | 15.0  | 100  | 1        | 10/29/2015 13:11 | <a href="#">WG824867</a> |
| Lead      | 0.729  | J         | 0.240 | 2.00 | 1        | 10/29/2015 13:11 | <a href="#">WG824867</a> |
| Manganese | 852    |           | 0.250 | 5.00 | 1        | 10/29/2015 13:11 | <a href="#">WG824867</a> |
| Potassium | 1160   |           | 37.0  | 1000 | 1        | 10/29/2015 13:11 | <a href="#">WG824867</a> |
| Selenium  | 15.9   |           | 0.380 | 2.00 | 1        | 10/29/2015 13:11 | <a href="#">WG824867</a> |
| Sodium    | 342000 |           | 110   | 1000 | 1        | 10/29/2015 13:11 | <a href="#">WG824867</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/29/2015 12:29 | <a href="#">WG824595</a> |
| (S) a,a,a-Trifluorotoluene(FID) 91.3 |        |           |      | 62.0-128 |          | 10/29/2015 12:29 | <a href="#">WG824595</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/26/2015 17:28 | <a href="#">WG824432</a> |
| Benzene              | 1.23   | *         | 0.331 | 1.00 | 1        | 10/29/2015 00:08 | <a href="#">WG825127</a> |
| Bromodichloromethane | U      | -         | 0.380 | 1.00 | 1        | 10/26/2015 17:28 | <a href="#">WG824432</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/26/2015 17:28 | <a href="#">WG824432</a> |
| Bromomethane         | U      |           | 0.866 | 5.00 | 1        | 10/26/2015 17:28 | <a href="#">WG824432</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/26/2015 17:28 | <a href="#">WG824432</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/26/2015 17:28 | <a href="#">WG824432</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/26/2015 17:28 | <a href="#">WG824432</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/26/2015 17:28 | <a href="#">WG824432</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/26/2015 17:28 | <a href="#">WG824432</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/26/2015 17:28 | <a href="#">WG824432</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/26/2015 17:28 | <a href="#">WG824432</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/26/2015 17:28 | <a href="#">WG824432</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/26/2015 17:28 | <a href="#">WG824432</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/26/2015 17:28 | <a href="#">WG824432</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/26/2015 17:28 | <a href="#">WG824432</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/29/2015 00:08        | <a href="#">WG825127</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| (S) Toluene-d8              | 104            |           |             | 90.0-115    |          | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| (S) Dibromofluoromethane    | 101            |           |             | 79.0-121    |          | 10/26/2015 17:28        | <a href="#">WG824432</a> |
| (S) 4-Bromofluorobenzene    | 91.7           |           |             | 80.1-120    |          | 10/26/2015 17:28        | <a href="#">WG824432</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 242            |           | 24.7        | 100         | 1        | 10/26/2015 19:38        | <a href="#">WG824379</a> |
| (S) o-Terphenyl            | 96.2           |           |             | 50.0-150    |          | 10/26/2015 19:38        | <a href="#">WG824379</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 2020000 |           | 2820 | 10000 | 1        | 10/27/2015 07:26 | <a href="#">WG824238</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 243    | J         | 197  | 1000 | 10       | 10/29/2015 13:41 | <a href="#">WG825288</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 197000  |           | 1040 | 20000  | 20       | 10/24/2015 22:19 | <a href="#">WG824158</a> |
| Fluoride | 503     |           | 9.90 | 100    | 1        | 10/24/2015 21:06 | <a href="#">WG824158</a> |
| Sulfate  | 1000000 |           | 1550 | 100000 | 20       | 10/24/2015 22:19 | <a href="#">WG824158</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 3.66   |           | 0.250 | 2.00 | 1        | 10/29/2015 13:13 | <a href="#">WG824867</a> |
| Barium    | 24.2   |           | 0.360 | 5.00 | 1        | 10/29/2015 13:13 | <a href="#">WG824867</a> |
| Calcium   | 287000 |           | 46.0  | 1000 | 1        | 10/29/2015 13:13 | <a href="#">WG824867</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/29/2015 13:13 | <a href="#">WG824867</a> |
| Iron      | 196    |           | 15.0  | 100  | 1        | 10/29/2015 13:13 | <a href="#">WG824867</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/29/2015 13:13 | <a href="#">WG824867</a> |
| Manganese | 765    |           | 0.250 | 5.00 | 1        | 10/29/2015 13:13 | <a href="#">WG824867</a> |
| Potassium | 528    | J         | 37.0  | 1000 | 1        | 10/29/2015 13:13 | <a href="#">WG824867</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/29/2015 13:13 | <a href="#">WG824867</a> |
| Sodium    | 153000 |           | 110   | 1000 | 1        | 10/29/2015 13:13 | <a href="#">WG824867</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/29/2015 12:51 | <a href="#">WG824595</a> |
| (S) a,a,a-Trifluorotoluene(FID) 90.7 |        |           |      | 62.0-128 |          | 10/29/2015 12:51 | <a href="#">WG824595</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/28/2015 21:16 | <a href="#">WG825127</a> |
| Benzene              | 0.477  | * J       | 0.331 | 1.00 | 1        | 10/28/2015 21:16 | <a href="#">WG825127</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/28/2015 21:16 | <a href="#">WG825127</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/28/2015 21:16 | <a href="#">WG825127</a> |
| Bromomethane         | U      |           | 0.866 | 5.00 | 1        | 10/28/2015 21:16 | <a href="#">WG825127</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/28/2015 21:16 | <a href="#">WG825127</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/28/2015 21:16 | <a href="#">WG825127</a> |
| Carbon disulfide     | U      | F         | 0.275 | 1.00 | 1        | 10/28/2015 21:16 | <a href="#">WG825127</a> |
| Carbon tetrachloride | U      | F         | 0.379 | 1.00 | 1        | 10/28/2015 21:16 | <a href="#">WG825127</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/28/2015 21:16 | <a href="#">WG825127</a> |
| Chlorodibromomethane | U      | F         | 0.327 | 1.00 | 1        | 10/28/2015 21:16 | <a href="#">WG825127</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/28/2015 21:16 | <a href="#">WG825127</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/28/2015 21:16 | <a href="#">WG825127</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/28/2015 21:16 | <a href="#">WG825127</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/28/2015 21:16 | <a href="#">WG825127</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/28/2015 21:16 | <a href="#">WG825127</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| 1,2-Dichloroethane          | 0.455          | J         | 0.361       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| trans-1,2-Dichloroethene    | U              | F         | 0.396       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/28/2015 21:16        | WG825127 |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/28/2015 21:16        | WG825127 |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/28/2015 21:16        | WG825127 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/28/2015 21:16        | WG825127 |
| Methyl tert-butyl ether     | 15.8           |           | 0.367       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/28/2015 21:16        | WG825127 |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| 1,1,1,2-Tetrachloroethane   | U              | *F        | 0.385       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| Tetrachloroethene           | U              | F         | 0.372       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/28/2015 21:16        | WG825127 |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/28/2015 21:16        | WG825127 |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/28/2015 21:16        | WG825127 |
| (S) Toluene-d8              | 106            |           |             | 90.0-115    |          | 10/28/2015 21:16        | WG825127 |
| (S) Dibromofluoromethane    | 103            |           |             | 79.0-121    |          | 10/28/2015 21:16        | WG825127 |
| (S) 4-Bromofluorobenzene    | 99.9           |           |             | 80.1-120    |          | 10/28/2015 21:16        | WG825127 |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) High Fraction | 115            |           | 24.7        | 100         | 1        | 10/26/2015 19:55        | WG824379 |
| (S) o-Terphenyl            | 83.5           |           |             | 50.0-150    |          | 10/26/2015 19:55        | WG824379 |





## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 2140000 |           | 2820 | 10000 | 1        | 10/27/2015 07:26 | <a href="#">WG824238</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 10/29/2015 13:42 | <a href="#">WG825288</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 197000 |           | 1040 | 20000  | 20       | 10/24/2015 22:33 | <a href="#">WG824158</a> |
| Fluoride | 493    |           | 9.90 | 100    | 1        | 10/24/2015 21:21 | <a href="#">WG824158</a> |
| Sulfate  | 998000 |           | 1550 | 100000 | 20       | 10/24/2015 22:33 | <a href="#">WG824158</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 3.79   |           | 0.250 | 2.00 | 1        | 10/29/2015 13:15 | <a href="#">WG824867</a> |
| Barium    | 23.3   |           | 0.360 | 5.00 | 1        | 10/29/2015 13:15 | <a href="#">WG824867</a> |
| Calcium   | 288000 |           | 46.0  | 1000 | 1        | 10/29/2015 13:15 | <a href="#">WG824867</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/29/2015 13:15 | <a href="#">WG824867</a> |
| Iron      | 203    |           | 15.0  | 100  | 1        | 10/29/2015 13:15 | <a href="#">WG824867</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/29/2015 13:15 | <a href="#">WG824867</a> |
| Manganese | 767    |           | 0.250 | 5.00 | 1        | 10/29/2015 13:15 | <a href="#">WG824867</a> |
| Potassium | 529    | J         | 37.0  | 1000 | 1        | 10/29/2015 13:15 | <a href="#">WG824867</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/29/2015 13:15 | <a href="#">WG824867</a> |
| Sodium    | 156000 |           | 110   | 1000 | 1        | 10/29/2015 13:15 | <a href="#">WG824867</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/29/2015 13:13 | <a href="#">WG824595</a> |
| (S) a,a,a-Trifluorotoluene(FID) 91.1 |        |           |      | 62.0-128 |          | 10/29/2015 13:13 | <a href="#">WG824595</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/26/2015 18:10 | <a href="#">WG824432</a> |
| Benzene              | 0.533  | J         | 0.331 | 1.00 | 1        | 10/26/2015 18:10 | <a href="#">WG824432</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/26/2015 18:10 | <a href="#">WG824432</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/26/2015 18:10 | <a href="#">WG824432</a> |
| Bromomethane         | U      |           | 0.866 | 5.00 | 1        | 10/26/2015 18:10 | <a href="#">WG824432</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/26/2015 18:10 | <a href="#">WG824432</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/26/2015 18:10 | <a href="#">WG824432</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/26/2015 18:10 | <a href="#">WG824432</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/26/2015 18:10 | <a href="#">WG824432</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/26/2015 18:10 | <a href="#">WG824432</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/26/2015 18:10 | <a href="#">WG824432</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/26/2015 18:10 | <a href="#">WG824432</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/26/2015 18:10 | <a href="#">WG824432</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/26/2015 18:10 | <a href="#">WG824432</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/26/2015 18:10 | <a href="#">WG824432</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/26/2015 18:10 | <a href="#">WG824432</a> |



Collected date/time: 10/20/15 12:00

L796118

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| Methyl tert-butyl ether     | 17.6           |           | 0.367       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| m&p-Xylene                  | 0.723          | J         | 0.719       | 1.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| (S) Toluene-d8              | 104            |           |             | 90.0-115    |          | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| (S) Dibromofluoromethane    | 102            |           |             | 79.0-121    |          | 10/26/2015 18:10        | <a href="#">WG824432</a> |
| (S) 4-Bromofluorobenzene    | 91.1           |           |             | 80.1-120    |          | 10/26/2015 18:10        | <a href="#">WG824432</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 91.7           | J         | 24.7        | 100         | 1        | 10/26/2015 20:12        | <a href="#">WG824379</a> |
| (S) o-Terphenyl            | 79.0           |           |             | 50.0-150    |          | 10/26/2015 20:12        | <a href="#">WG824379</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|--------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l   |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 16000  |           | 2820 | 10000 | 1        | 10/27/2015 07:38 | <a href="#">WG824239</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 10/29/2015 13:48 | <a href="#">WG825288</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Chloride | U      | *         | 51.9 | 1000 | 1        | 10/24/2015 20:09 | <a href="#">WG824158</a> |
| Fluoride | U      |           | 9.90 | 100  | 1        | 10/24/2015 20:09 | <a href="#">WG824158</a> |
| Sulfate  | 6790   | *         | 77.4 | 5000 | 1        | 10/24/2015 20:09 | <a href="#">WG824158</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 0.772  | J         | 0.250 | 2.00 | 1        | 10/29/2015 13:17 | <a href="#">WG824867</a> |
| Barium    | 0.798  | J         | 0.360 | 5.00 | 1        | 10/29/2015 13:17 | <a href="#">WG824867</a> |
| Calcium   | 106    | J         | 46.0  | 1000 | 1        | 10/29/2015 13:17 | <a href="#">WG824867</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/29/2015 13:17 | <a href="#">WG824867</a> |
| Iron      | U      |           | 15.0  | 100  | 1        | 10/29/2015 13:17 | <a href="#">WG824867</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/29/2015 13:17 | <a href="#">WG824867</a> |
| Manganese | 0.791  | J         | 0.250 | 5.00 | 1        | 10/29/2015 13:17 | <a href="#">WG824867</a> |
| Potassium | U      |           | 37.0  | 1000 | 1        | 10/29/2015 13:17 | <a href="#">WG824867</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/29/2015 13:17 | <a href="#">WG824867</a> |
| Sodium    | 635    | J         | 110   | 1000 | 1        | 10/29/2015 13:17 | <a href="#">WG824867</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/29/2015 08:03 | <a href="#">WG824595</a> |
| (S) a,a,a-Trifluorotoluene(FID) 91.2 |        |           |      | 62.0-128 |          | 10/29/2015 08:03 | <a href="#">WG824595</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/26/2015 11:51 | <a href="#">WG824432</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/26/2015 11:51 | <a href="#">WG824432</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/26/2015 11:51 | <a href="#">WG824432</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/26/2015 11:51 | <a href="#">WG824432</a> |
| Bromomethane         | U      |           | 0.866 | 5.00 | 1        | 10/26/2015 11:51 | <a href="#">WG824432</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/26/2015 11:51 | <a href="#">WG824432</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/26/2015 11:51 | <a href="#">WG824432</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/26/2015 11:51 | <a href="#">WG824432</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/26/2015 11:51 | <a href="#">WG824432</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/26/2015 11:51 | <a href="#">WG824432</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/26/2015 11:51 | <a href="#">WG824432</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/26/2015 11:51 | <a href="#">WG824432</a> |
| Chloroform           | 5.69   |           | 0.324 | 5.00 | 1        | 10/26/2015 11:51 | <a href="#">WG824432</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/26/2015 11:51 | <a href="#">WG824432</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/26/2015 11:51 | <a href="#">WG824432</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/26/2015 11:51 | <a href="#">WG824432</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| (S) Toluene-d8              | 104            |           |             | 90.0-115    |          | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| (S) Dibromofluoromethane    | 100            |           |             | 79.0-121    |          | 10/26/2015 11:51        | <a href="#">WG824432</a> |
| (S) 4-Bromofluorobenzene    | 92.5           |           |             | 80.1-120    |          | 10/26/2015 11:51        | <a href="#">WG824432</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | U              |           | 24.7        | 100         | 1        | 10/26/2015 20:29        | <a href="#">WG824379</a> |
| (S) o-Terphenyl            | 84.0           |           |             | 50.0-150    |          | 10/26/2015 20:29        | <a href="#">WG824379</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 2990000 |           | 2820 | 10000 | 1        | 10/27/2015 07:42 | <a href="#">WG824239</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 10/29/2015 13:49 | <a href="#">WG825288</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 111000  |           | 2600 | 50000  | 50       | 10/24/2015 22:47 | <a href="#">WG824158</a> |
| Fluoride | 1890    |           | 9.90 | 100    | 1        | 10/24/2015 21:35 | <a href="#">WG824158</a> |
| Sulfate  | 2250000 |           | 3870 | 250000 | 50       | 10/24/2015 22:47 | <a href="#">WG824158</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 3.55   |           | 0.250 | 2.00 | 1        | 10/29/2015 13:20 | <a href="#">WG824867</a> |
| Barium    | 13.4   |           | 0.360 | 5.00 | 1        | 10/29/2015 13:20 | <a href="#">WG824867</a> |
| Calcium   | 579000 |           | 92.0  | 2000 | 2        | 10/29/2015 14:34 | <a href="#">WG824867</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/29/2015 13:20 | <a href="#">WG824867</a> |
| Iron      | 48.6   | J         | 15.0  | 100  | 1        | 10/29/2015 13:20 | <a href="#">WG824867</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/29/2015 13:20 | <a href="#">WG824867</a> |
| Manganese | 905    |           | 0.250 | 5.00 | 1        | 10/29/2015 13:20 | <a href="#">WG824867</a> |
| Potassium | 2460   |           | 37.0  | 1000 | 1        | 10/29/2015 13:20 | <a href="#">WG824867</a> |
| Selenium  | 0.757  | J         | 0.380 | 2.00 | 1        | 10/29/2015 13:20 | <a href="#">WG824867</a> |
| Sodium    | 104000 |           | 110   | 1000 | 1        | 10/29/2015 13:20 | <a href="#">WG824867</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/29/2015 13:35 | <a href="#">WG824595</a> |
| (S) a,a,a-Trifluorotoluene(FID) 90.7 |        |           |      | 62.0-128 |          | 10/29/2015 13:35 | <a href="#">WG824595</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      | *         | 10.0  | 50.0 | 1        | 10/29/2015 00:29 | <a href="#">WG825127</a> |
| Benzene              | U      | *         | 0.331 | 1.00 | 1        | 10/29/2015 00:29 | <a href="#">WG825127</a> |
| Bromodichloromethane | U      | -         | 0.380 | 1.00 | 1        | 10/29/2015 00:29 | <a href="#">WG825127</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/29/2015 00:29 | <a href="#">WG825127</a> |
| Bromomethane         | U      |           | 0.866 | 5.00 | 1        | 10/29/2015 00:29 | <a href="#">WG825127</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/29/2015 00:29 | <a href="#">WG825127</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/29/2015 00:29 | <a href="#">WG825127</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/29/2015 00:29 | <a href="#">WG825127</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/29/2015 00:29 | <a href="#">WG825127</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/29/2015 00:29 | <a href="#">WG825127</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/29/2015 00:29 | <a href="#">WG825127</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/29/2015 00:29 | <a href="#">WG825127</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/29/2015 00:29 | <a href="#">WG825127</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/29/2015 00:29 | <a href="#">WG825127</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/29/2015 00:29 | <a href="#">WG825127</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/29/2015 00:29 | <a href="#">WG825127</a> |



Collected date/time: 10/20/15 09:00

L796118

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| 1,1,1,2-Tetrachloroethane   | U              | *         | 0.385       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| (S) Toluene-d8              | 106            |           |             | 90.0-115    |          | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| (S) Dibromofluoromethane    | 103            |           |             | 79.0-121    |          | 10/29/2015 00:29        | <a href="#">WG825127</a> |
| (S) 4-Bromofluorobenzene    | 98.6           |           |             | 80.1-120    |          | 10/29/2015 00:29        | <a href="#">WG825127</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | U              |           | 24.7        | 100         | 1        | 10/26/2015 20:46        | <a href="#">WG824379</a> |
| (S) o-Terphenyl            | 81.3           |           |             | 50.0-150    |          | 10/26/2015 20:46        | <a href="#">WG824379</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 1940000 |           | 2820 | 10000 | 1        | 10/27/2015 07:39 | <a href="#">WG824239</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 10/29/2015 13:51 | <a href="#">WG825288</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 391000 |           | 1040 | 20000  | 20       | 10/24/2015 23:02 | <a href="#">WG824158</a> |
| Fluoride | 644    |           | 9.90 | 100    | 1        | 10/24/2015 21:50 | <a href="#">WG824158</a> |
| Sulfate  | 235000 |           | 1550 | 100000 | 20       | 10/24/2015 23:02 | <a href="#">WG824158</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 10.8   |           | 0.250 | 2.00 | 1        | 10/29/2015 13:22 | <a href="#">WG824867</a> |
| Barium    | 367    |           | 0.360 | 5.00 | 1        | 10/29/2015 13:22 | <a href="#">WG824867</a> |
| Calcium   | 186000 |           | 46.0  | 1000 | 1        | 10/29/2015 13:22 | <a href="#">WG824867</a> |
| Chromium  | 0.690  | J         | 0.540 | 2.00 | 1        | 10/29/2015 13:22 | <a href="#">WG824867</a> |
| Iron      | 131    |           | 15.0  | 100  | 1        | 10/29/2015 13:22 | <a href="#">WG824867</a> |
| Lead      | 2.15   |           | 0.240 | 2.00 | 1        | 10/29/2015 13:22 | <a href="#">WG824867</a> |
| Manganese | 1240   |           | 0.250 | 5.00 | 1        | 10/29/2015 13:22 | <a href="#">WG824867</a> |
| Potassium | 2610   |           | 37.0  | 1000 | 1        | 10/29/2015 13:22 | <a href="#">WG824867</a> |
| Selenium  | 4.87   |           | 0.380 | 2.00 | 1        | 10/29/2015 13:22 | <a href="#">WG824867</a> |
| Sodium    | 355000 |           | 110   | 1000 | 1        | 10/29/2015 13:22 | <a href="#">WG824867</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 2990   |           | 31.4 | 100      | 1        | 10/29/2015 13:58 | <a href="#">WG824595</a> |
| (S) a,a,q-Trifluorotoluene(FID) 96.3 |        |           |      | 62.0-128 |          | 10/29/2015 13:58 | <a href="#">WG824595</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Acetone              | U      | *         | 50.0 | 250  | 5        | 10/29/2015 00:51 | <a href="#">WG825127</a> |
| Benzene              | 204    | -         | 1.66 | 5.00 | 5        | 10/29/2015 00:51 | <a href="#">WG825127</a> |
| Bromodichloromethane | U      |           | 1.90 | 5.00 | 5        | 10/29/2015 00:51 | <a href="#">WG825127</a> |
| Bromoform            | U      |           | 2.34 | 5.00 | 5        | 10/29/2015 00:51 | <a href="#">WG825127</a> |
| Bromomethane         | U      |           | 4.33 | 25.0 | 5        | 10/29/2015 00:51 | <a href="#">WG825127</a> |
| n-Butylbenzene       | 6.50   |           | 1.80 | 5.00 | 5        | 10/29/2015 00:51 | <a href="#">WG825127</a> |
| sec-Butylbenzene     | 11.0   |           | 1.82 | 5.00 | 5        | 10/29/2015 00:51 | <a href="#">WG825127</a> |
| Carbon disulfide     | U      |           | 1.38 | 5.00 | 5        | 10/29/2015 00:51 | <a href="#">WG825127</a> |
| Carbon tetrachloride | U      |           | 1.90 | 5.00 | 5        | 10/29/2015 00:51 | <a href="#">WG825127</a> |
| Chlorobenzene        | U      |           | 1.74 | 5.00 | 5        | 10/29/2015 00:51 | <a href="#">WG825127</a> |
| Chlorodibromomethane | U      |           | 1.64 | 5.00 | 5        | 10/29/2015 00:51 | <a href="#">WG825127</a> |
| Chloroethane         | U      |           | 2.26 | 25.0 | 5        | 10/29/2015 00:51 | <a href="#">WG825127</a> |
| Chloroform           | U      |           | 1.62 | 25.0 | 5        | 10/29/2015 00:51 | <a href="#">WG825127</a> |
| Chloromethane        | U      |           | 1.38 | 12.5 | 5        | 10/29/2015 00:51 | <a href="#">WG825127</a> |
| 1,2-Dibromoethane    | U      |           | 1.90 | 5.00 | 5        | 10/29/2015 00:51 | <a href="#">WG825127</a> |
| 1,1-Dichloroethane   | U      |           | 1.30 | 5.00 | 5        | 10/29/2015 00:51 | <a href="#">WG825127</a> |



Collected date/time: 10/20/15 15:15

L796118

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 1.80        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| 1,1-Dichloroethene          | U              |           | 1.99        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| cis-1,2-Dichloroethene      | U              |           | 1.30        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| trans-1,2-Dichloroethene    | U              |           | 1.98        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| 1,2-Dichloropropane         | U              |           | 1.53        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| cis-1,3-Dichloropropene     | U              |           | 2.09        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| trans-1,3-Dichloropropene   | U              |           | 2.10        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| Ethylbenzene                | 65.5           |           | 1.92        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| Isopropylbenzene            | 54.9           |           | 1.63        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| p-Isopropyltoluene          | 4.72           | U         | 1.75        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| 2-Butanone (MEK)            | U              |           | 19.6        | 50.0        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| 2-Hexanone                  | U              |           | 19.1        | 50.0        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| Methylene Chloride          | U              |           | 5.00        | 25.0        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 10.7        | 50.0        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| Methyl tert-butyl ether     | 832            |           | 3.67        | 10.0        | 10       | 10/29/2015 14:46        | <a href="#">WG824575</a> |
| Naphthalene                 | 12.8           | U         | 5.00        | 25.0        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| n-Propylbenzene             | 85.7           |           | 1.74        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| Styrene                     | U              |           | 1.54        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| 1,1,1,2-Tetrachloroethane   | U              | U *       | 1.92        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.650       | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| Tetrachloroethene           | U              |           | 1.86        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| Toluene                     | 12.0           | U         | 3.90        | 25.0        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| 1,1,1-Trichloroethane       | U              |           | 1.60        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| 1,1,2-Trichloroethane       | U              |           | 1.92        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| Trichloroethene             | U              |           | 1.99        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| 1,2,4-Trimethylbenzene      | 211            |           | 1.86        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| 1,3,5-Trimethylbenzene      | 2.35           | U         | 1.94        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| Vinyl chloride              | U              |           | 1.30        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| o-Xylene                    | 6.58           |           | 1.70        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| m&p-Xylene                  | 119            |           | 3.60        | 5.00        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| Xylenes, Total              | 125            |           | 5.30        | 15.0        | 5        | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| (S) Toluene-d8              | 108            |           |             | 90.0-115    |          | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| (S) Dibromofluoromethane    | 104            |           |             | 79.0-121    |          | 10/29/2015 00:51        | <a href="#">WG825127</a> |
| (S) 4-Bromofluorobenzene    | 97.7           |           |             | 80.1-120    |          | 10/29/2015 00:51        | <a href="#">WG825127</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 2970           |           | 24.7        | 100         | 1        | 10/26/2015 22:11        | <a href="#">WG824379</a> |
| (S) o-Terphenyl            | 88.6           |           |             | 50.0-150    |          | 10/26/2015 22:11        | <a href="#">WG824379</a> |





## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 2380000 |           | 2820 | 10000 | 1        | 10/27/2015 07:43 | <a href="#">WG824239</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 495    | J         | 197  | 1000 | 10       | 10/29/2015 13:52 | <a href="#">WG825288</a> |

6 Qc

7 Gl

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 237000  |           | 1040 | 20000  | 20       | 10/24/2015 23:16 | <a href="#">WG824158</a> |
| Fluoride | 829     |           | 9.90 | 100    | 1        | 10/24/2015 22:04 | <a href="#">WG824158</a> |
| Sulfate  | 1200000 |           | 1550 | 100000 | 20       | 10/24/2015 23:16 | <a href="#">WG824158</a> |

8 Al

9 Sc

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 4.77   |           | 0.250 | 2.00 | 1        | 10/29/2015 12:35 | <a href="#">WG824867</a> |
| Barium    | 19.5   |           | 0.360 | 5.00 | 1        | 10/29/2015 12:35 | <a href="#">WG824867</a> |
| Calcium   | 261000 |           | 46.0  | 1000 | 1        | 10/29/2015 12:35 | <a href="#">WG824867</a> |
| Chromium  | 0.567  | J         | 0.540 | 2.00 | 1        | 10/29/2015 12:35 | <a href="#">WG824867</a> |
| Iron      | 162    |           | 15.0  | 100  | 1        | 10/29/2015 12:35 | <a href="#">WG824867</a> |
| Lead      | 0.362  | J         | 0.240 | 2.00 | 1        | 10/29/2015 12:35 | <a href="#">WG824867</a> |
| Manganese | 92.1   |           | 0.250 | 5.00 | 1        | 10/29/2015 12:35 | <a href="#">WG824867</a> |
| Potassium | 688    | J         | 37.0  | 1000 | 1        | 10/29/2015 12:35 | <a href="#">WG824867</a> |
| Selenium  | 2.24   |           | 0.380 | 2.00 | 1        | 10/29/2015 12:35 | <a href="#">WG824867</a> |
| Sodium    | 293000 | 4         | 110   | 1000 | 1        | 10/29/2015 12:35 | <a href="#">WG824867</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/29/2015 14:20 | <a href="#">WG824595</a> |
| (S) a,a,a-Trifluorotoluene(FID) 90.6 |        |           |      | 62.0-128 |          | 10/29/2015 14:20 | <a href="#">WG824595</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/27/2015 01:27 | <a href="#">WG824558</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/27/2015 01:27 | <a href="#">WG824558</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/27/2015 01:27 | <a href="#">WG824558</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/27/2015 01:27 | <a href="#">WG824558</a> |
| Bromomethane         | U      |           | 0.866 | 5.00 | 1        | 10/27/2015 01:27 | <a href="#">WG824558</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/27/2015 01:27 | <a href="#">WG824558</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/27/2015 01:27 | <a href="#">WG824558</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/27/2015 01:27 | <a href="#">WG824558</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/27/2015 01:27 | <a href="#">WG824558</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/27/2015 01:27 | <a href="#">WG824558</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/27/2015 01:27 | <a href="#">WG824558</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/27/2015 01:27 | <a href="#">WG824558</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/27/2015 01:27 | <a href="#">WG824558</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/27/2015 01:27 | <a href="#">WG824558</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/27/2015 01:27 | <a href="#">WG824558</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/27/2015 01:27 | <a href="#">WG824558</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| Methyl tert-butyl ether     | 0.449          | U         | 0.367       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| (S) Toluene-d8              | 103            |           |             | 90.0-115    |          | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| (S) Dibromofluoromethane    | 100            |           |             | 79.0-121    |          | 10/27/2015 01:27        | <a href="#">WG824558</a> |
| (S) 4-Bromofluorobenzene    | 91.2           |           |             | 80.1-120    |          | 10/27/2015 01:27        | <a href="#">WG824558</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 508            |           | 24.7        | 100         | 1        | 10/26/2015 22:28        | <a href="#">WG824379</a> |
| (S) o-Terphenyl            | 79.8           |           |             | 50.0-150    |          | 10/26/2015 22:28        | <a href="#">WG824379</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 2170000 |           | 2820 | 10000 | 1        | 10/27/2015 07:42 | <a href="#">WG824239</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 10/29/2015 13:53 | <a href="#">WG825288</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 232000 |           | 1040 | 20000  | 20       | 10/25/2015 00:28 | <a href="#">WG824158</a> |
| Fluoride | 1810   |           | 9.90 | 100    | 1        | 10/24/2015 23:59 | <a href="#">WG824158</a> |
| Sulfate  | 950000 |           | 1550 | 100000 | 20       | 10/25/2015 00:28 | <a href="#">WG824158</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 1.34   | J         | 0.250 | 2.00 | 1        | 10/29/2015 13:35 | <a href="#">WG824867</a> |
| Barium    | 112    |           | 0.360 | 5.00 | 1        | 10/29/2015 13:35 | <a href="#">WG824867</a> |
| Calcium   | 181000 |           | 46.0  | 1000 | 1        | 10/29/2015 13:35 | <a href="#">WG824867</a> |
| Chromium  | 0.783  | J         | 0.540 | 2.00 | 1        | 10/29/2015 13:35 | <a href="#">WG824867</a> |
| Iron      | 102    |           | 15.0  | 100  | 1        | 10/29/2015 13:35 | <a href="#">WG824867</a> |
| Lead      | 0.334  | J         | 0.240 | 2.00 | 1        | 10/29/2015 13:35 | <a href="#">WG824867</a> |
| Manganese | 127    |           | 0.250 | 5.00 | 1        | 10/29/2015 13:35 | <a href="#">WG824867</a> |
| Potassium | 862    | J         | 37.0  | 1000 | 1        | 10/29/2015 13:35 | <a href="#">WG824867</a> |
| Selenium  | 3.28   |           | 0.380 | 2.00 | 1        | 10/29/2015 13:35 | <a href="#">WG824867</a> |
| Sodium    | 438000 |           | 110   | 1000 | 1        | 10/29/2015 13:35 | <a href="#">WG824867</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 1460   |           | 157  | 500      | 5        | 10/27/2015 23:09 | <a href="#">WG824598</a> |
| (S) a,a,q-Trifluorotoluene(FID) 86.3 |        |           |      | 62.0-128 |          | 10/27/2015 23:09 | <a href="#">WG824598</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Acetone              | U      | *         | 100  | 500  | 10       | 10/29/2015 01:12 | <a href="#">WG825127</a> |
| Benzene              | 845    | *         | 3.31 | 10.0 | 10       | 10/29/2015 01:12 | <a href="#">WG825127</a> |
| Bromodichloromethane | U      |           | 3.80 | 10.0 | 10       | 10/29/2015 01:12 | <a href="#">WG825127</a> |
| Bromoform            | U      |           | 4.69 | 10.0 | 10       | 10/29/2015 01:12 | <a href="#">WG825127</a> |
| Bromomethane         | U      |           | 8.66 | 50.0 | 10       | 10/29/2015 01:12 | <a href="#">WG825127</a> |
| n-Butylbenzene       | U      |           | 3.61 | 10.0 | 10       | 10/29/2015 01:12 | <a href="#">WG825127</a> |
| sec-Butylbenzene     | 3.96   | J         | 3.65 | 10.0 | 10       | 10/29/2015 01:12 | <a href="#">WG825127</a> |
| Carbon disulfide     | U      |           | 2.75 | 10.0 | 10       | 10/29/2015 01:12 | <a href="#">WG825127</a> |
| Carbon tetrachloride | U      |           | 3.79 | 10.0 | 10       | 10/29/2015 01:12 | <a href="#">WG825127</a> |
| Chlorobenzene        | U      |           | 3.48 | 10.0 | 10       | 10/29/2015 01:12 | <a href="#">WG825127</a> |
| Chlorodibromomethane | U      |           | 3.27 | 10.0 | 10       | 10/29/2015 01:12 | <a href="#">WG825127</a> |
| Chloroethane         | U      |           | 4.53 | 50.0 | 10       | 10/29/2015 01:12 | <a href="#">WG825127</a> |
| Chloroform           | U      |           | 3.24 | 50.0 | 10       | 10/29/2015 01:12 | <a href="#">WG825127</a> |
| Chloromethane        | U      |           | 2.76 | 25.0 | 10       | 10/29/2015 01:12 | <a href="#">WG825127</a> |
| 1,2-Dibromoethane    | U      |           | 3.81 | 10.0 | 10       | 10/29/2015 01:12 | <a href="#">WG825127</a> |
| 1,1-Dichloroethane   | U      |           | 2.59 | 10.0 | 10       | 10/29/2015 01:12 | <a href="#">WG825127</a> |



Collected date/time: 10/20/15 11:45

L796118

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 3.61        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| 1,1-Dichloroethene          | U              |           | 3.98        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| cis-1,2-Dichloroethene      | U              |           | 2.60        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| trans-1,2-Dichloroethene    | U              |           | 3.96        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| 1,2-Dichloropropane         | U              |           | 3.06        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| cis-1,3-Dichloropropene     | U              |           | 4.18        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| trans-1,3-Dichloropropene   | U              |           | 4.19        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| Ethylbenzene                | 12.6           |           | 3.84        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| Isopropylbenzene            | 34.4           |           | 3.26        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| p-Isopropyltoluene          | U              |           | 3.50        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| 2-Butanone (MEK)            | U              |           | 39.3        | 100         | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| 2-Hexanone                  | U              |           | 38.2        | 100         | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| Methylene Chloride          | U              |           | 10.0        | 50.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 21.4        | 100         | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| Methyl tert-butyl ether     | U              |           | 3.67        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| Naphthalene                 | U              |           | 10.0        | 50.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| n-Propylbenzene             | 30.5           |           | 3.49        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| Styrene                     | U              |           | 3.07        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| 1,1,1,2-Tetrachloroethane   | U              | *         | 3.85        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 1.30        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| Tetrachloroethene           | U              |           | 3.72        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| Toluene                     | 14.1           | U         | 7.80        | 50.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| 1,1,1-Trichloroethane       | U              |           | 3.19        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| 1,1,2-Trichloroethane       | U              |           | 3.83        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| Trichloroethene             | U              |           | 3.98        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| 1,2,4-Trimethylbenzene      | 4.87           | U         | 3.73        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 3.87        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| Vinyl chloride              | U              |           | 2.59        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| o-Xylene                    | U              |           | 3.41        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| m&p-Xylene                  | 17.6           |           | 7.19        | 10.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| Xylenes, Total              | 17.6           | U         | 10.6        | 30.0        | 10       | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| (S) Toluene-d8              | 113            |           |             | 90.0-115    |          | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| (S) Dibromofluoromethane    | 106            |           |             | 79.0-121    |          | 10/29/2015 01:12        | <a href="#">WG825127</a> |
| (S) 4-Bromofluorobenzene    | 103            |           |             | 80.1-120    |          | 10/29/2015 01:12        | <a href="#">WG825127</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 842            |           | 24.7        | 100         | 1        | 10/26/2015 22:45        | <a href="#">WG824379</a> |
| (S) o-Terphenyl            | 79.6           |           |             | 50.0-150    |          | 10/26/2015 22:45        | <a href="#">WG824379</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 1680000 |           | 2820 | 10000 | 1        | 10/27/2015 07:44 | <a href="#">WG824239</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 10/29/2015 13:55 | <a href="#">WG825288</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 136000 |           | 1040 | 20000  | 20       | 10/25/2015 00:43 | <a href="#">WG824158</a> |
| Fluoride | 1620   |           | 9.90 | 100    | 1        | 10/25/2015 00:14 | <a href="#">WG824158</a> |
| Sulfate  | 787000 |           | 1550 | 100000 | 20       | 10/25/2015 00:43 | <a href="#">WG824158</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 13.0   |           | 0.250 | 2.00 | 1        | 10/29/2015 13:37 | <a href="#">WG824867</a> |
| Barium    | 76.5   |           | 0.360 | 5.00 | 1        | 10/29/2015 13:37 | <a href="#">WG824867</a> |
| Calcium   | 174000 |           | 46.0  | 1000 | 1        | 10/29/2015 13:37 | <a href="#">WG824867</a> |
| Chromium  | 0.557  | J         | 0.540 | 2.00 | 1        | 10/29/2015 13:37 | <a href="#">WG824867</a> |
| Iron      | 321    |           | 15.0  | 100  | 1        | 10/29/2015 13:37 | <a href="#">WG824867</a> |
| Lead      | 0.523  | J         | 0.240 | 2.00 | 1        | 10/29/2015 13:37 | <a href="#">WG824867</a> |
| Manganese | 882    |           | 0.250 | 5.00 | 1        | 10/29/2015 13:37 | <a href="#">WG824867</a> |
| Potassium | 268    | J         | 37.0  | 1000 | 1        | 10/29/2015 13:37 | <a href="#">WG824867</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/29/2015 13:37 | <a href="#">WG824867</a> |
| Sodium    | 294000 |           | 110   | 1000 | 1        | 10/29/2015 13:37 | <a href="#">WG824867</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 1480   |           | 62.8 | 200      | 2        | 10/27/2015 23:31 | <a href="#">WG824598</a> |
| (S) a,a,a-Trifluorotoluene(FID) 80.4 |        |           |      | 62.0-128 |          | 10/27/2015 23:31 | <a href="#">WG824598</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Acetone              | U      | *         | 50.0 | 250  | 5        | 10/29/2015 01:34 | <a href="#">WG825127</a> |
| Benzene              | 348    | *         | 1.66 | 5.00 | 5        | 10/29/2015 01:34 | <a href="#">WG825127</a> |
| Bromodichloromethane | U      |           | 1.90 | 5.00 | 5        | 10/29/2015 01:34 | <a href="#">WG825127</a> |
| Bromoform            | U      |           | 2.34 | 5.00 | 5        | 10/29/2015 01:34 | <a href="#">WG825127</a> |
| Bromomethane         | U      |           | 4.33 | 25.0 | 5        | 10/29/2015 01:34 | <a href="#">WG825127</a> |
| n-Butylbenzene       | 2.91   | J         | 1.80 | 5.00 | 5        | 10/29/2015 01:34 | <a href="#">WG825127</a> |
| sec-Butylbenzene     | 6.54   |           | 1.82 | 5.00 | 5        | 10/29/2015 01:34 | <a href="#">WG825127</a> |
| Carbon disulfide     | U      |           | 1.38 | 5.00 | 5        | 10/29/2015 01:34 | <a href="#">WG825127</a> |
| Carbon tetrachloride | U      |           | 1.90 | 5.00 | 5        | 10/29/2015 01:34 | <a href="#">WG825127</a> |
| Chlorobenzene        | U      |           | 1.74 | 5.00 | 5        | 10/29/2015 01:34 | <a href="#">WG825127</a> |
| Chlorodibromomethane | U      |           | 1.64 | 5.00 | 5        | 10/29/2015 01:34 | <a href="#">WG825127</a> |
| Chloroethane         | U      |           | 2.26 | 25.0 | 5        | 10/29/2015 01:34 | <a href="#">WG825127</a> |
| Chloroform           | U      |           | 1.62 | 25.0 | 5        | 10/29/2015 01:34 | <a href="#">WG825127</a> |
| Chloromethane        | U      |           | 1.38 | 12.5 | 5        | 10/29/2015 01:34 | <a href="#">WG825127</a> |
| 1,2-Dibromoethane    | U      |           | 1.90 | 5.00 | 5        | 10/29/2015 01:34 | <a href="#">WG825127</a> |
| 1,1-Dichloroethane   | U      |           | 1.30 | 5.00 | 5        | 10/29/2015 01:34 | <a href="#">WG825127</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 1.80        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| 1,1-Dichloroethene          | U              |           | 1.99        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| cis-1,2-Dichloroethene      | U              |           | 1.30        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| trans-1,2-Dichloroethene    | U              |           | 1.98        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| 1,2-Dichloropropane         | U              |           | 1.53        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| cis-1,3-Dichloropropene     | U              |           | 2.09        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| trans-1,3-Dichloropropene   | U              |           | 2.10        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| Ethylbenzene                | 182            |           | 1.92        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| Isopropylbenzene            | 30.5           |           | 1.63        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| p-Isopropyltoluene          | 3.15           | U         | 1.75        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| 2-Butanone (MEK)            | U              |           | 19.6        | 50.0        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| 2-Hexanone                  | U              |           | 19.1        | 50.0        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| Methylene Chloride          | U              |           | 5.00        | 25.0        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 10.7        | 50.0        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| Methyl tert-butyl ether     | U              |           | 1.84        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| Naphthalene                 | 7.31           | U         | 5.00        | 25.0        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| n-Propylbenzene             | 34.7           |           | 1.74        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| Styrene                     | U              |           | 1.54        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| 1,1,1,2-Tetrachloroethane   | U              | U *       | 1.92        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.650       | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| Tetrachloroethene           | U              |           | 1.86        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| Toluene                     | 4.64           | U         | 3.90        | 25.0        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| 1,1,1-Trichloroethane       | U              |           | 1.60        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| 1,1,2-Trichloroethane       | U              |           | 1.92        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| Trichloroethene             | U              |           | 1.99        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| 1,2,4-Trimethylbenzene      | 35.0           |           | 1.86        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| 1,3,5-Trimethylbenzene      | 2.28           | U         | 1.94        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| Vinyl chloride              | U              |           | 1.30        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| o-Xylene                    | U              |           | 1.70        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| m&p-Xylene                  | 29.8           |           | 3.60        | 5.00        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| Xylenes, Total              | 29.8           |           | 5.30        | 15.0        | 5        | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| (S) Toluene-d8              | 112            |           |             | 90.0-115    |          | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| (S) Dibromofluoromethane    | 103            |           |             | 79.0-121    |          | 10/29/2015 01:34        | <a href="#">WG825127</a> |
| (S) 4-Bromofluorobenzene    | 103            |           |             | 80.1-120    |          | 10/29/2015 01:34        | <a href="#">WG825127</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | U              |           | 24.7        | 100         | 1        | 10/26/2015 23:02        | <a href="#">WG824379</a> |
| (S) o-Terphenyl            | 74.6           |           |             | 50.0-150    |          | 10/26/2015 23:02        | <a href="#">WG824379</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|--------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l   |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 925000 |           | 2820 | 10000 | 1        | 10/27/2015 07:36 | <a href="#">WG824239</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 10/29/2015 13:56 | <a href="#">WG825288</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 21600  |           | 51.9 | 1000   | 1        | 10/24/2015 19:54 | <a href="#">WG824158</a> |
| Fluoride | 2070   |           | 9.90 | 100    | 1        | 10/24/2015 19:54 | <a href="#">WG824158</a> |
| Sulfate  | 473000 |           | 1550 | 100000 | 20       | 10/28/2015 12:58 | <a href="#">WG824952</a> |

6 Qc

7 Gl

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 1.49   | J         | 0.250 | 2.00 | 1        | 10/29/2015 13:39 | <a href="#">WG824867</a> |
| Barium    | 21.8   |           | 0.360 | 5.00 | 1        | 10/29/2015 13:39 | <a href="#">WG824867</a> |
| Calcium   | 170000 |           | 46.0  | 1000 | 1        | 10/29/2015 13:39 | <a href="#">WG824867</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/29/2015 13:39 | <a href="#">WG824867</a> |
| Iron      | U      |           | 15.0  | 100  | 1        | 10/29/2015 13:39 | <a href="#">WG824867</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/29/2015 13:39 | <a href="#">WG824867</a> |
| Manganese | 14.2   |           | 0.250 | 5.00 | 1        | 10/29/2015 13:39 | <a href="#">WG824867</a> |
| Potassium | 4860   |           | 37.0  | 1000 | 1        | 10/29/2015 13:39 | <a href="#">WG824867</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/29/2015 13:39 | <a href="#">WG824867</a> |
| Sodium    | 40300  |           | 110   | 1000 | 1        | 10/29/2015 13:39 | <a href="#">WG824867</a> |

8 Al

9 Sc

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 1180   |           | 31.4 | 100      | 1        | 10/27/2015 23:54 | <a href="#">WG824598</a> |
| (S) a,a,a-Trifluorotoluene(FID) 80.3 |        |           |      | 62.0-128 |          | 10/27/2015 23:54 | <a href="#">WG824598</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/27/2015 22:07 | <a href="#">WG824847</a> |
| Benzene              | 309    | *         | 1.66  | 5.00 | 5        | 10/29/2015 01:55 | <a href="#">WG825127</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/27/2015 22:07 | <a href="#">WG824847</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/27/2015 22:07 | <a href="#">WG824847</a> |
| Bromomethane         | U      |           | 0.866 | 5.00 | 1        | 10/27/2015 22:07 | <a href="#">WG824847</a> |
| n-Butylbenzene       | 0.449  | J         | 0.361 | 1.00 | 1        | 10/27/2015 22:07 | <a href="#">WG824847</a> |
| sec-Butylbenzene     | 34.9   |           | 0.365 | 1.00 | 1        | 10/27/2015 22:07 | <a href="#">WG824847</a> |
| Carbon disulfide     | 0.979  | J         | 0.275 | 1.00 | 1        | 10/27/2015 22:07 | <a href="#">WG824847</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/27/2015 22:07 | <a href="#">WG824847</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/27/2015 22:07 | <a href="#">WG824847</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/27/2015 22:07 | <a href="#">WG824847</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/27/2015 22:07 | <a href="#">WG824847</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/27/2015 22:07 | <a href="#">WG824847</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/27/2015 22:07 | <a href="#">WG824847</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/27/2015 22:07 | <a href="#">WG824847</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/27/2015 22:07 | <a href="#">WG824847</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| Ethylbenzene                | 11.7           |           | 0.384       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| Isopropylbenzene            | 40.6           |           | 0.326       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| Methyl tert-butyl ether     | 1.99           |           | 0.367       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| Naphthalene                 | 1.32           | L         | 1.00        | 5.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| n-Propylbenzene             | 4.02           |           | 0.349       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| Styrene                     | 0.881          | L         | 0.307       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| 1,2,4-Trimethylbenzene      | 0.420          | L         | 0.373       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| m&p-Xylene                  | 0.722          | L         | 0.719       | 1.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| (S) Toluene-d8              | 106            |           |             | 90.0-115    |          | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| (S) Dibromofluoromethane    | 101            |           |             | 79.0-121    |          | 10/27/2015 22:07        | <a href="#">WG824847</a> |
| (S) 4-Bromofluorobenzene    | 106            |           |             | 80.1-120    |          | 10/27/2015 22:07        | <a href="#">WG824847</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 3000           |           | 24.7        | 100         | 1        | 10/26/2015 23:19        | <a href="#">WG824379</a> |
| (S) o-Terphenyl            | 85.8           |           |             | 50.0-150    |          | 10/26/2015 23:19        | <a href="#">WG824379</a> |





## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|--------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l   |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 21000  |           | 2820 | 10000 | 1        | 10/27/2015 07:42 | <a href="#">WG824239</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 10/29/2015 13:57 | <a href="#">WG825288</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Chloride | 175    | J         | 51.9 | 1000 | 1        | 10/25/2015 00:57 | <a href="#">WG824158</a> |
| Fluoride | U      |           | 9.90 | 100  | 1        | 10/25/2015 00:57 | <a href="#">WG824158</a> |
| Sulfate  | U      |           | 77.4 | 5000 | 1        | 10/25/2015 00:57 | <a href="#">WG824158</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 0.684  | J         | 0.250 | 2.00 | 1        | 10/29/2015 13:42 | <a href="#">WG824867</a> |
| Barium    | 2.67   | J         | 0.360 | 5.00 | 1        | 10/29/2015 13:42 | <a href="#">WG824867</a> |
| Calcium   | 182    | J         | 46.0  | 1000 | 1        | 10/29/2015 13:42 | <a href="#">WG824867</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/29/2015 13:42 | <a href="#">WG824867</a> |
| Iron      | U      |           | 15.0  | 100  | 1        | 10/29/2015 13:42 | <a href="#">WG824867</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/29/2015 13:42 | <a href="#">WG824867</a> |
| Manganese | 0.709  | J         | 0.250 | 5.00 | 1        | 10/29/2015 13:42 | <a href="#">WG824867</a> |
| Potassium | U      |           | 37.0  | 1000 | 1        | 10/29/2015 13:42 | <a href="#">WG824867</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/29/2015 13:42 | <a href="#">WG824867</a> |
| Sodium    | 725    | J         | 110   | 1000 | 1        | 10/29/2015 13:42 | <a href="#">WG824867</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/28/2015 00:16 | <a href="#">WG824598</a> |
| (S) a,a,a-Trifluorotoluene(FID) 91.0 |        |           |      | 62.0-128 |          | 10/28/2015 00:16 | <a href="#">WG824598</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/27/2015 22:30 | <a href="#">WG824847</a> |
| Benzene              | U      | *         | 0.331 | 1.00 | 1        | 10/29/2015 02:16 | <a href="#">WG825127</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/27/2015 22:30 | <a href="#">WG824847</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/27/2015 22:30 | <a href="#">WG824847</a> |
| Bromomethane         | U      |           | 0.866 | 5.00 | 1        | 10/27/2015 22:30 | <a href="#">WG824847</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/27/2015 22:30 | <a href="#">WG824847</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/27/2015 22:30 | <a href="#">WG824847</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/27/2015 22:30 | <a href="#">WG824847</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/27/2015 22:30 | <a href="#">WG824847</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/27/2015 22:30 | <a href="#">WG824847</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/27/2015 22:30 | <a href="#">WG824847</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/27/2015 22:30 | <a href="#">WG824847</a> |
| Chloroform           | 4.77   | J         | 0.324 | 5.00 | 1        | 10/27/2015 22:30 | <a href="#">WG824847</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/27/2015 22:30 | <a href="#">WG824847</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/27/2015 22:30 | <a href="#">WG824847</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/27/2015 22:30 | <a href="#">WG824847</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| (S) Toluene-d8              | 102            |           |             | 90.0-115    |          | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| (S) Dibromofluoromethane    | 97.4           |           |             | 79.0-121    |          | 10/27/2015 22:30        | <a href="#">WG824847</a> |
| (S) 4-Bromofluorobenzene    | 98.2           |           |             | 80.1-120    |          | 10/27/2015 22:30        | <a href="#">WG824847</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 4080           |           | 24.7        | 100         | 1        | 10/26/2015 23:36        | <a href="#">WG824379</a> |
| (S) o-Terphenyl            | 102            |           |             | 50.0-150    |          | 10/26/2015 23:36        | <a href="#">WG824379</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 1090000 |           | 2820 | 10000 | 1        | 10/27/2015 07:43 | <a href="#">WG824239</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 10/29/2015 13:58 | <a href="#">WG825288</a> |

## Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|------|------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Cyanide | 1.80   | J         | 1.80 | 5.00 | 1        | 10/29/2015 10:45 | <a href="#">WG824892</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|-------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l  |          | date / time      |                          |
| Chloride | 201000 |           | 1040 | 20000 | 20       | 10/24/2015 18:08 | <a href="#">WG824162</a> |
| Fluoride | 1340   |           | 9.90 | 100   | 1        | 10/24/2015 17:53 | <a href="#">WG824162</a> |
| Sulfate  | 110    | J         | 77.4 | 5000  | 1        | 10/24/2015 17:53 | <a href="#">WG824162</a> |

## Mercury by Method 7470A

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|--------|-------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l   | ug/l  |          | date / time      |                          |
| Mercury | U      |           | 0.0490 | 0.200 | 1        | 10/28/2015 11:37 | <a href="#">WG824854</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 3.70   |           | 0.250 | 2.00 | 1        | 10/29/2015 13:44 | <a href="#">WG824867</a> |
| Barium    | 2000   |           | 0.360 | 5.00 | 1        | 10/29/2015 13:44 | <a href="#">WG824867</a> |
| Calcium   | 134000 |           | 46.0  | 1000 | 1        | 10/29/2015 13:44 | <a href="#">WG824867</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/29/2015 13:44 | <a href="#">WG824867</a> |
| Iron      | 792    |           | 15.0  | 100  | 1        | 10/29/2015 13:44 | <a href="#">WG824867</a> |
| Lead      | 0.430  | J         | 0.240 | 2.00 | 1        | 10/29/2015 13:44 | <a href="#">WG824867</a> |
| Manganese | 220    |           | 0.250 | 5.00 | 1        | 10/29/2015 13:44 | <a href="#">WG824867</a> |
| Nickel    | 7.43   |           | 0.350 | 2.00 | 1        | 10/29/2015 13:44 | <a href="#">WG824867</a> |
| Potassium | 742    | J         | 37.0  | 1000 | 1        | 10/29/2015 13:44 | <a href="#">WG824867</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/29/2015 13:44 | <a href="#">WG824867</a> |
| Sodium    | 163000 |           | 110   | 1000 | 1        | 10/29/2015 13:44 | <a href="#">WG824867</a> |
| Vanadium  | 1.75   | J         | 0.180 | 5.00 | 1        | 10/29/2015 13:44 | <a href="#">WG824867</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 8740   |           | 31.4 | 100      | 1        | 10/28/2015 00:38 | <a href="#">WG824598</a> |
| (S) a,a,a-Trifluorotoluene(FID) 84.8 |        |           |      | 62.0-128 |          | 10/28/2015 00:38 | <a href="#">WG824598</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/27/2015 22:54 | <a href="#">WG824847</a> |
| Benzene              | 4100   | *         | 16.6  | 50.0 | 50       | 10/29/2015 02:38 | <a href="#">WG825127</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/27/2015 22:54 | <a href="#">WG824847</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| Bromoform                   | U              |           | 0.469       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| Bromomethane                | U              |           | 0.866       | 5.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| n-Butylbenzene              | 7.00           |           | 0.361       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| sec-Butylbenzene            | 9.38           |           | 0.365       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| Carbon disulfide            | 0.371          | J         | 0.275       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| Carbon tetrachloride        | U              |           | 0.379       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| Chlorobenzene               | U              |           | 0.348       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| Chlorodibromomethane        | U              |           | 0.327       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| Chloroethane                | U              |           | 0.453       | 5.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| Chloroform                  | U              |           | 0.324       | 5.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| Chloromethane               | U              |           | 0.276       | 2.50        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| 1,2-Dibromoethane           | U              |           | 0.381       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| 1,1-Dichloroethane          | U              |           | 0.259       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| Ethylbenzene                | 23.4           |           | 0.384       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| Isopropylbenzene            | 56.5           |           | 0.326       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| Methyl tert-butyl ether     | 2420           |           | 18.4        | 50.0        | 50       | 10/29/2015 02:38        | <a href="#">WG825127</a> |
| Naphthalene                 | 133            |           | 1.00        | 5.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| n-Propylbenzene             | 80.7           |           | 0.349       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| Toluene                     | 7.22           |           | 0.780       | 5.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| 1,2,4-Trimethylbenzene      | 4.09           |           | 0.373       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| 1,3,5-Trimethylbenzene      | 0.859          | J         | 0.387       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| o-Xylene                    | 3.90           |           | 0.341       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| m&p-Xylene                  | 28.1           |           | 0.719       | 1.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| Xylenes, Total              | 32.0           |           | 1.06        | 3.00        | 1        | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| (S) Toluene-d8              | 105            |           |             | 90.0-115    |          | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| (S) Dibromofluoromethane    | 128            | X         |             | 79.0-121    |          | 10/27/2015 22:54        | <a href="#">WG824847</a> |
| (S) 4-Bromofluorobenzene    | 97.6           |           |             | 80.1-120    |          | 10/27/2015 22:54        | <a href="#">WG824847</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 1400           |           | 24.7        | 100         | 1        | 10/26/2015 23:53        | <a href="#">WG824379</a> |
| (S) o-Terphenyl            | 119            |           |             | 50.0-150    |          | 10/26/2015 23:53        | <a href="#">WG824379</a> |

Method Blank (MB)

(MB) 10/27/15 07:28

|                  | MB Result | MB Qualifier | MB MDL | MB RDL |
|------------------|-----------|--------------|--------|--------|
| Analyte          | mg/l      |              | mg/l   | mg/l   |
| Dissolved Solids | U         |              | 2.82   | 10.0   |

L796118-11 Original Sample (OS) • Duplicate (DUP)

(OS) 10/27/15 07:26 • (DUP) 10/27/15 07:27

|                  | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte          | mg/l            | mg/l       |          | %       |               | %              |
| Dissolved Solids | 2140            | 2230       | 1        | 4.35    |               | 5              |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 07:27 • (LCSD) 10/27/15 07:26

|                  | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD  | RPD Limits |
|------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|------|------------|
| Analyte          | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %    | %          |
| Dissolved Solids | 8800         | 8300       | 8520        | 94.3     | 96.8      | 85.0-115    |               |                | 2.62 | 5          |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 10/27/15 07:45

| Analyte          | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|------------------|-------------------|--------------|----------------|----------------|
| Dissolved Solids | U                 |              | 2.82           | 10.0           |

L796118-20 Original Sample (OS) • Duplicate (DUP)

(OS) 10/27/15 07:43 • (DUP) 10/27/15 07:39

| Analyte          | Original Result<br>mg/l | DUP Result<br>mg/l | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD Limits<br>% |
|------------------|-------------------------|--------------------|----------|--------------|---------------|---------------------|
| Dissolved Solids | 1090                    | 1090               | 1        | 0.734        |               | 5                   |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 07:40 • (LCSD) 10/27/15 07:36

| Analyte          | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Dissolved Solids | 8800                 | 8170               | 8310                | 92.8          | 94.4           | 85.0-115         |               |                | 1.70     | 5               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 10/29/15 13:25

|                 | MB Result | MB Qualifier | MB MDL | MB RDL |
|-----------------|-----------|--------------|--------|--------|
| Analyte         | mg/l      |              | mg/l   | mg/l   |
| Nitrate-Nitrite | 0.0200    |              | 0.0197 | 0.100  |

L796118-06 Original Sample (OS) • Duplicate (DUP)

(OS) 10/29/15 13:36 • (DUP) 10/29/15 13:37

|                 | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|-----------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte         | mg/l            | mg/l       |          | %       |               | %              |
| Nitrate-Nitrite | 4.77            | 4.63       | 10       | 3.00    |               | 20             |

L796118-16 Original Sample (OS) • Duplicate (DUP)

(OS) 10/29/15 13:53 • (DUP) 10/29/15 13:54

|                 | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|-----------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte         | mg/l            | mg/l       |          | %       |               | %              |
| Nitrate-Nitrite | ND              | ND         | 10       | 0.000   |               | 20             |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/29/15 13:28 • (LCSD) 10/29/15 13:29

|                 | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD  | RPD Limits |
|-----------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|------|------------|
| Analyte         | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %    | %          |
| Nitrate-Nitrite | 5.00         | 5.06       | 5.23        | 101      | 105       | 90.0-110    |               |                | 3.00 | 20         |

L796118-11 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/29/15 13:42 • (MS) 10/29/15 13:43

|                 | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|-----------------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Analyte         | mg/l         | mg/l            | mg/l      | %       |          | %           |              |
| Nitrate-Nitrite | 0.500        | 0.161           | 48.3      | 96.0    | 10       | 90.0-110    |              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



L796251-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/29/15 16:32 • (MS) 10/29/15 16:33 • (MSD) 10/29/15 16:34

| Analyte         | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Nitrate-Nitrite | 0.500                | 13.8                    | 34.3              | 34.0               | 41.0         | 40.0          | 10       | 90.0-110         | E            | E             | 1.00     | 20              |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc





Method Blank (MB)

(MB) 10/29/15 10:24

|         | MB Result | MB Qualifier | MB MDL  | MB RDL  |
|---------|-----------|--------------|---------|---------|
| Analyte | mg/l      |              | mg/l    | mg/l    |
| Cyanide | U         |              | 0.00180 | 0.00500 |

L796143-19 Original Sample (OS) • Duplicate (DUP)

(OS) 10/29/15 10:50 • (DUP) 10/29/15 10:51

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l            | mg/l       |          | %       |               | %              |
| Cyanide | ND              | ND         | 1        | 0.000   |               | 20             |

L795910-02 Original Sample (OS) • Duplicate (DUP)

(OS) 10/29/15 10:58 • (DUP) 10/29/15 11:00

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l            | mg/l       |          | %       |               | %              |
| Cyanide | ND              | ND         | 1        | 0.000   |               | 20             |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/29/15 10:26 • (LCSD) 10/29/15 10:27

|         | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD  | RPD Limits |
|---------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|------|------------|
| Analyte | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %    | %          |
| Cyanide | 0.100        | 0.110      | 0.103       | 110      | 103       | 90.0-110    |               |                | 6.57 | 20         |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 10/30/15 09:44

|         | MB Result | MB Qualifier | MB MDL  | MB RDL  |
|---------|-----------|--------------|---------|---------|
| Analyte | mg/l      |              | mg/l    | mg/l    |
| Cyanide | U         |              | 0.00180 | 0.00500 |

L796179-30 Original Sample (OS) • Duplicate (DUP)

(OS) 10/30/15 10:03 • (DUP) 10/30/15 10:04

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l            | mg/l       |          | %       |               | %              |
| Cyanide | ND              | ND         | 1        | 0.000   |               | 20             |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/30/15 09:46 • (LCSD) 10/30/15 09:47

|         | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD  | RPD Limits |
|---------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|------|------------|
| Analyte | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %    | %          |
| Cyanide | 0.100        | 0.0912     | 0.0942      | 91.2     | 94.2      | 90.0-110    |               |                | 3.24 | 20         |

L796179-24 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/30/15 10:07 • (MS) 10/30/15 10:08 • (MSD) 10/30/15 10:09

|         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte | mg/l         | mg/l            | mg/l      | mg/l       | %       | %        |          | %           |              |               | %    | %          |
| Cyanide | 0.200        | 0.00140         | 0.182     | 0.176      | 91.0    | 88.0     | 1        | 90.0-110    |              | E             | 3.35 | 20         |

L796118-04 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/30/15 09:52 • (MS) 10/30/15 09:53

|         | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|---------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Analyte | mg/l         | mg/l            | mg/l      | %       |          | %           |              |
| Cyanide | 0.200        | ND              | 0.177     | 88.5    | 1        | 90.0-110    | E            |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 10/24/15 11:32

|          | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
| Analyte  | mg/l      |              | mg/l   | mg/l   |
| Chloride | U         |              | 0.0519 | 1.00   |
| Fluoride | U         |              | 0.0099 | 0.100  |
| Sulfate  | U         |              | 0.0774 | 5.00   |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L796044-01 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 14:37 • (DUP) 10/24/15 14:51

|          | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte  | mg/l            | mg/l       |          | %       |               | %              |
| Chloride | 33.2            | 33.2       | 1        | 0       |               | 20             |
| Fluoride | 0.0308          | 0.0277     | 1        | 0       |               | 20             |

L796118-12 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 20:09 • (DUP) 10/24/15 20:23

|          | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte  | mg/l            | mg/l       |          | %       |               | %              |
| Chloride | 0.00390         | 0.0974     | 1        | 185     | * J           | 20             |
| Fluoride | ND              | -0.0133    | 1        | 0       |               | 20             |
| Sulfate  | 6.79            | -0.335     | 1        | 221     | *             | 20             |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/24/15 11:47 • (LCSD) 10/24/15 12:01

|          | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|----------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-----|------------|
| Analyte  | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %   | %          |
| Chloride | 40.0         | 39.6       | 39.6        | 99       | 99        | 90-110      |               |                | 0   | 20         |
| Fluoride | 8.00         | 7.86       | 7.87        | 98       | 98        | 90-110      |               |                | 0   | 20         |
| Sulfate  | 40.0         | 39.6       | 39.6        | 99       | 99        | 90-110      |               |                | 0   | 20         |

L796048-01 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/24/15 15:06 • (MS) 10/24/15 15:20

|         | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|---------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Analyte | mg/l         | mg/l            | mg/l      | %       |          | %           |              |

L796048-01 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/24/15 15:06 • (MS) 10/24/15 15:20

| Analyte  | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MS Rec.<br>% | Dilution | Rec. Limits<br>% | <u>MS Qualifier</u> |
|----------|----------------------|-------------------------|-------------------|--------------|----------|------------------|---------------------|
| Chloride | 50.0                 | 70.2                    | 119               | 98           | 1        | 80-120           |                     |
| Fluoride | 5.00                 | 1.13                    | 5.90              | 95           | 1        | 80-120           |                     |

L796118-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/25/15 00:57 • (MS) 10/25/15 01:11 • (MSD) 10/25/15 01:26

| Analyte  | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD<br>% | RPD Limits<br>% |
|----------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|---------------------|----------------------|----------|-----------------|
| Chloride | 50.0                 | 0.175                   | 51.1              | 51.2               | 102          | 102           | 1        | 80-120           |                     |                      | 0        | 20              |
| Fluoride | 5.00                 | ND                      | 5.22              | 5.10               | 104          | 102           | 1        | 80-120           |                     |                      | 2        | 20              |
| Sulfate  | 50.0                 | ND                      | 52.0              | 51.0               | 104          | 102           | 1        | 80-120           |                     |                      | 2        | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 10/24/15 16:35

| Analyte  | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|----------|-------------------|--------------|----------------|----------------|
| Chloride | U                 |              | 0.0519         | 1.00           |
| Fluoride | U                 |              | 0.0099         | 0.100          |
| Sulfate  | U                 |              | 0.0774         | 5.00           |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L796122-01 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 18:23 • (DUP) 10/24/15 18:39

| Analyte  | Original Result<br>mg/l | DUP Result<br>mg/l | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD Limits<br>% |
|----------|-------------------------|--------------------|----------|--------------|---------------|---------------------|
| Chloride | 9.62                    | 9.63               | 1        | 0            |               | 20                  |
| Fluoride | 0.0521                  | 0.0520             | 1        | 0            | J             | 20                  |
| Sulfate  | 49.0                    | 49.1               | 1        | 0            |               | 20                  |

L796122-10 Original Sample (OS) • Duplicate (DUP)

(OS) 10/24/15 23:16 • (DUP) 10/24/15 23:32

| Analyte  | Original Result<br>mg/l | DUP Result<br>mg/l | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD Limits<br>% |
|----------|-------------------------|--------------------|----------|--------------|---------------|---------------------|
| Chloride | 10.7                    | 10.7               | 1        | 1            |               | 20                  |
| Fluoride | 0.130                   | 0.132              | 1        | 1            |               | 20                  |
| Sulfate  | 77.2                    | 77.5               | 1        | 0            |               | 20                  |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/24/15 16:51 • (LCSD) 10/24/15 17:06

| Analyte  | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Chloride | 40.0                 | 39.5               | 39.3                | 99            | 98             | 90-110           |               |                | 1        | 20              |
| Fluoride | 8.00                 | 7.93               | 7.89                | 99            | 99             | 90-110           |               |                | 1        | 20              |
| Sulfate  | 40.0                 | 40.2               | 39.9                | 100           | 100            | 90-110           |               |                | 1        | 20              |



L796122-02 Original Sample (OS) • Matrix Spike (MS)

(OS) 10/24/15 18:54 • (MS) 10/24/15 19:10

| Analyte  | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MS Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier |
|----------|----------------------|-------------------------|-------------------|--------------|----------|------------------|--------------|
| Chloride | 50.0                 | 8.56                    | 59.0              | 101          | 1        | 80-120           |              |
| Fluoride | 5.00                 | 0.135                   | 5.06              | 99           | 1        | 80-120           |              |
| Sulfate  | 50.0                 | 25.4                    | 74.8              | 99           | 1        | 80-120           |              |

L796122-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/24/15 23:47 • (MS) 10/25/15 00:03 • (MSD) 10/25/15 00:18

| Analyte  | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 50.0                 | 20.2                    | 68.8              | 68.7               | 97           | 97            | 1        | 80-120           |              |               | 0        | 20              |
| Fluoride | 5.00                 | 0.261                   | 5.05              | 5.18               | 96           | 98            | 1        | 80-120           |              |               | 2        | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 10/28/15 07:18

|         | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Analyte | mg/l      |              | mg/l   | mg/l   |
| Sulfate | U         |              | 0.0774 | 5.00   |

L796122-03 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 13:13 • (DUP) 10/28/15 13:29

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/l            | mg/l       |          | %       |               | %              |
| Sulfate | 122             | 123        | 5        | 1       |               | 20             |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 07:33 • (LCSD) 10/28/15 07:49

|         | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|---------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-----|------------|
| Analyte | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %   | %          |
| Sulfate | 40.0         | 40.1       | 40.1        | 100      | 100       | 90-110      |               |                | 0   | 20         |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 10/28/15 11:13

|         | MB Result | MB Qualifier | MB MDL   | MB RDL   |
|---------|-----------|--------------|----------|----------|
| Analyte | mg/l      |              | mg/l     | mg/l     |
| Mercury | U         |              | 0.000049 | 0.000200 |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 11:15 • (LCSD) 10/28/15 11:17

|         | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|---------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-----|------------|
| Analyte | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %   | %          |
| Mercury | 0.00300      | 0.00308    | 0.00300     | 103      | 100       | 80-120      |               |                | 3   | 20         |

L796118-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 11:24 • (MS) 10/28/15 11:26 • (MSD) 10/28/15 11:28

|         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-----|------------|
| Analyte | mg/l         | mg/l            | mg/l      | mg/l       | %       | %        |          | %           |              |               | %   | %          |
| Mercury | 0.00300      | ND              | 0.00289   | 0.00279    | 96      | 93       | 1        | 75-125      |              |               | 3   | 20         |





Method Blank (MB)

(MB) 10/29/15 12:28

| Analyte   | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|-----------|-------------------|--------------|----------------|----------------|
| Arsenic   | U                 |              | 0.00025        | 0.00200        |
| Barium    | 0.000409          |              | 0.00036        | 0.00500        |
| Calcium   | 0.303             |              | 0.046          | 1.00           |
| Chromium  | U                 |              | 0.00054        | 0.00200        |
| Iron      | U                 |              | 0.015          | 0.100          |
| Lead      | U                 |              | 0.00024        | 0.00200        |
| Manganese | 0.000387          |              | 0.00025        | 0.00500        |
| Nickel    | U                 |              | 0.00035        | 0.00200        |
| Potassium | U                 |              | 0.037          | 1.00           |
| Selenium  | U                 |              | 0.00038        | 0.00200        |
| Sodium    | 0.234             |              | 0.11           | 1.00           |
| Vanadium  | 0.00139           |              | 0.00018        | 0.00500        |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/29/15 12:30 • (LCSD) 10/29/15 12:32

| Analyte   | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Arsenic   | 0.0500               | 0.0479             | 0.0477              | 96            | 95             | 80-120           |               |                | 0        | 20              |
| Barium    | 0.0500               | 0.0512             | 0.0517              | 102           | 103            | 80-120           |               |                | 1        | 20              |
| Calcium   | 5.00                 | 5.50               | 5.21                | 110           | 104            | 80-120           |               |                | 5        | 20              |
| Chromium  | 0.0500               | 0.0486             | 0.0481              | 97            | 96             | 80-120           |               |                | 1        | 20              |
| Iron      | 5.00                 | 4.81               | 4.75                | 96            | 95             | 80-120           |               |                | 1        | 20              |
| Lead      | 0.0500               | 0.0493             | 0.0491              | 99            | 98             | 80-120           |               |                | 0        | 20              |
| Manganese | 0.0500               | 0.0480             | 0.0479              | 96            | 96             | 80-120           |               |                | 0        | 20              |
| Nickel    | 0.0500               | 0.0505             | 0.0506              | 101           | 101            | 80-120           |               |                | 0        | 20              |
| Potassium | 5.00                 | 4.86               | 4.94                | 97            | 99             | 80-120           |               |                | 2        | 20              |
| Selenium  | 0.0500               | 0.0477             | 0.0470              | 95            | 94             | 80-120           |               |                | 1        | 20              |
| Sodium    | 5.00                 | 5.45               | 5.50                | 109           | 110            | 80-120           |               |                | 1        | 20              |
| Vanadium  | 0.0500               | 0.0486             | 0.0481              | 97            | 96             | 80-120           |               |                | 1        | 20              |



L796118-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/29/15 12:35 • (MS) 10/29/15 12:39 • (MSD) 10/29/15 12:42

| Analyte   | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Arsenic   | 0.0500               | 0.00477                 | 0.0552            | 0.0537             | 101          | 98            | 1        | 75-125           |              |               | 3        | 20              |
| Barium    | 0.0500               | 0.0195                  | 0.0705            | 0.0713             | 102          | 103           | 1        | 75-125           |              |               | 1        | 20              |
| Calcium   | 5.00                 | 261                     | 258               | 257                | 0            | 0             | 1        | 75-125           | 4            | 4             | 0        | 20              |
| Chromium  | 0.0500               | 0.000567                | 0.0470            | 0.0471             | 93           | 93            | 1        | 75-125           |              |               | 0        | 20              |
| Potassium | 5.00                 | 0.688                   | 5.35              | 5.38               | 93           | 94            | 1        | 75-125           |              |               | 0        | 20              |
| Iron      | 5.00                 | 0.162                   | 4.75              | 4.75               | 92           | 92            | 1        | 75-125           |              |               | 0        | 20              |
| Lead      | 0.0500               | 0.000362                | 0.0495            | 0.0494             | 98           | 98            | 1        | 75-125           |              |               | 0        | 20              |
| Manganese | 0.0500               | 0.0921                  | 0.138             | 0.136              | 91           | 89            | 1        | 75-125           |              |               | 1        | 20              |
| Nickel    | 0.0500               | 0.00783                 | 0.0529            | 0.0537             | 90           | 92            | 1        | 75-125           |              |               | 2        | 20              |
| Selenium  | 0.0500               | 0.00224                 | 0.0502            | 0.0501             | 96           | 96            | 1        | 75-125           |              |               | 0        | 20              |
| Sodium    | 5.00                 | 293                     | 293               | 289                | 0            | 0             | 1        | 75-125           | 4            | 4             | 1        | 20              |
| Vanadium  | 0.0500               | 0.0196                  | 0.0667            | 0.0661             | 94           | 93            | 1        | 75-125           |              |               | 1        | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 10/29/15 04:52

| Analyte                         | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|---------------------------------|-------------------|--------------|----------------|----------------|
| TPH (GC/FID) Low Fraction       | U                 |              | 0.0314         | 0.100          |
| (S) a,a,a-Trifluorotoluene(FID) | 91.3              |              |                | 62.0-128       |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/29/15 03:45 • (LCSD) 10/29/15 04:07

| Analyte                         | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH (GC/FID) Low Fraction       | 5.50                 | 5.11               | 4.95                | 92.8          | 89.9           | 67.0-132         |               |                | 3.15     | 20              |
| (S) a,a,a-Trifluorotoluene(FID) |                      |                    |                     | 98.4          | 98.4           | 62.0-128         |               |                |          |                 |

L796067-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/29/15 08:25 • (MS) 10/29/15 06:12 • (MSD) 10/29/15 06:34

| Analyte                         | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction       | 5.50                 | ND                      | 4.88              | 4.22               | 88.7         | 76.8          | 1        | 50.0-143         |              |               | 14.4     | 20              |
| (S) a,a,a-Trifluorotoluene(FID) |                      |                         |                   |                    | 98.0         | 97.4          |          | 62.0-128         |              |               |          |                 |



Method Blank (MB)

(MB) 10/27/15 22:47

| Analyte                         | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|---------------------------------|-------------------|--------------|----------------|----------------|
| TPH (GC/FID) Low Fraction       | U                 |              | 0.0314         | 0.100          |
| (S) a,a,a-Trifluorotoluene(FID) | 90.9              |              |                | 62.0-128       |

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 21:41 • (LCSD) 10/27/15 22:03

| Analyte                         | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH (GC/FID) Low Fraction       | 5.50                 | 5.48               | 5.53                | 99.7          | 101            | 67.0-132         |               |                | 0.910    | 20              |
| (S) a,a,a-Trifluorotoluene(FID) |                      |                    |                     | 104           | 104            | 62.0-128         |               |                |          |                 |

L796127-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 01:22 • (MS) 10/28/15 03:57 • (MSD) 10/28/15 04:20

| Analyte                         | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction       | 5.50                 | 0.241                   | 5.05              | 4.80               | 87.5         | 82.8          | 1        | 50.0-143         |              |               | 5.15     | 20              |
| (S) a,a,a-Trifluorotoluene(FID) |                      |                         |                   |                    | 97.1         | 97.4          |          | 62.0-128         |              |               |          |                 |

Method Blank (MB)

(MB) 10/26/15 10:07

| Analyte                     | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Acetone                     | U                 |              | 0.0100         | 0.0500         |
| Benzene                     | U                 |              | 0.000331       | 0.00100        |
| Bromodichloromethane        | U                 |              | 0.000380       | 0.00100        |
| Bromoform                   | U                 |              | 0.000469       | 0.00100        |
| Bromomethane                | U                 |              | 0.000866       | 0.00500        |
| n-Butylbenzene              | U                 |              | 0.000361       | 0.00100        |
| sec-Butylbenzene            | U                 |              | 0.000365       | 0.00100        |
| Carbon disulfide            | U                 |              | 0.000275       | 0.00100        |
| Carbon tetrachloride        | U                 |              | 0.000379       | 0.00100        |
| Chlorobenzene               | U                 |              | 0.000348       | 0.00100        |
| Chlorodibromomethane        | U                 |              | 0.000327       | 0.00100        |
| Chloroethane                | U                 |              | 0.000453       | 0.00500        |
| Chloroform                  | U                 |              | 0.000324       | 0.00500        |
| Chloromethane               | U                 |              | 0.000276       | 0.00250        |
| 1,2-Dibromoethane           | U                 |              | 0.000381       | 0.00100        |
| 1,1-Dichloroethane          | U                 |              | 0.000259       | 0.00100        |
| 1,2-Dichloroethane          | U                 |              | 0.000361       | 0.00100        |
| 1,1-Dichloroethene          | U                 |              | 0.000398       | 0.00100        |
| cis-1,2-Dichloroethene      | U                 |              | 0.000260       | 0.00100        |
| trans-1,2-Dichloroethene    | U                 |              | 0.000396       | 0.00100        |
| 1,2-Dichloropropane         | U                 |              | 0.000306       | 0.00100        |
| cis-1,3-Dichloropropene     | U                 |              | 0.000418       | 0.00100        |
| trans-1,3-Dichloropropene   | U                 |              | 0.000419       | 0.00100        |
| Ethylbenzene                | U                 |              | 0.000384       | 0.00100        |
| 2-Hexanone                  | U                 |              | 0.00382        | 0.0100         |
| Isopropylbenzene            | U                 |              | 0.000326       | 0.00100        |
| p-Isopropyltoluene          | U                 |              | 0.000350       | 0.00100        |
| 2-Butanone (MEK)            | U                 |              | 0.00393        | 0.0100         |
| Methylene Chloride          | U                 |              | 0.00100        | 0.00500        |
| 4-Methyl-2-pentanone (MIBK) | U                 |              | 0.00214        | 0.0100         |
| Methyl tert-butyl ether     | U                 |              | 0.000367       | 0.00100        |
| Naphthalene                 | U                 |              | 0.00100        | 0.00500        |
| n-Propylbenzene             | U                 |              | 0.000349       | 0.00100        |
| Styrene                     | U                 |              | 0.000307       | 0.00100        |
| 1,1,1,2-Tetrachloroethane   | U                 |              | 0.000385       | 0.00100        |
| 1,1,2,2-Tetrachloroethane   | U                 |              | 0.000130       | 0.00100        |

1

Cp

2

Tc

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Ss

4

Cn

5

Sr

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Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) 10/26/15 10:07

| Analyte                  | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|--------------------------|-------------------|--------------|----------------|----------------|
| Tetrachloroethene        | U                 |              | 0.000372       | 0.00100        |
| Toluene                  | U                 |              | 0.000780       | 0.00500        |
| 1,1,1-Trichloroethane    | U                 |              | 0.000319       | 0.00100        |
| 1,1,2-Trichloroethane    | U                 |              | 0.000383       | 0.00100        |
| Trichloroethene          | U                 |              | 0.000398       | 0.00100        |
| 1,2,4-Trimethylbenzene   | U                 |              | 0.000373       | 0.00100        |
| 1,3,5-Trimethylbenzene   | U                 |              | 0.000387       | 0.00100        |
| Vinyl chloride           | U                 |              | 0.000259       | 0.00100        |
| Xylenes, Total           | U                 |              | 0.00106        | 0.00300        |
| o-Xylene                 | U                 |              | 0.000341       | 0.00100        |
| m&p-Xylenes              | U                 |              | 0.000719       | 0.00100        |
| (S) Toluene-d8           | 102               |              |                | 90.0-115       |
| (S) Dibromofluoromethane | 96.5              |              |                | 79.0-121       |
| (S) 4-Bromofluorobenzene | 93.0              |              |                | 80.1-120       |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/26/15 08:01 • (LCSD) 10/26/15 08:22

| Analyte              | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone              | 0.125                | 0.116              | 0.116               | 92.9          | 92.8           | 28.7-175         |               |                | 0.0400   | 20.9            |
| Benzene              | 0.0250               | 0.0249             | 0.0255              | 99.5          | 102            | 73.0-122         |               |                | 2.39     | 20              |
| Bromodichloromethane | 0.0250               | 0.0230             | 0.0233              | 92.0          | 93.1           | 75.5-121         |               |                | 1.17     | 20              |
| Bromoform            | 0.0250               | 0.0233             | 0.0238              | 93.4          | 95.1           | 71.5-131         |               |                | 1.80     | 20              |
| Bromomethane         | 0.0250               | 0.0214             | 0.0224              | 85.6          | 89.7           | 22.4-187         |               |                | 4.64     | 20              |
| n-Butylbenzene       | 0.0250               | 0.0264             | 0.0265              | 106           | 106            | 75.9-134         |               |                | 0.360    | 20              |
| sec-Butylbenzene     | 0.0250               | 0.0242             | 0.0246              | 96.7          | 98.5           | 80.6-126         |               |                | 1.84     | 20              |
| Carbon tetrachloride | 0.0250               | 0.0214             | 0.0220              | 85.8          | 88.2           | 70.9-129         |               |                | 2.75     | 20              |
| Carbon disulfide     | 0.0250               | 0.0248             | 0.0247              | 99.1          | 98.6           | 53.0-134         |               |                | 0.540    | 20              |
| Chlorobenzene        | 0.0250               | 0.0249             | 0.0254              | 99.4          | 101            | 79.7-122         |               |                | 2.04     | 20              |
| Chlorodibromomethane | 0.0250               | 0.0239             | 0.0242              | 95.6          | 96.7           | 78.2-124         |               |                | 1.09     | 20              |
| Chloroethane         | 0.0250               | 0.0211             | 0.0221              | 84.5          | 88.5           | 41.2-153         |               |                | 4.62     | 20              |
| Chloroform           | 0.0250               | 0.0234             | 0.0240              | 93.7          | 95.8           | 73.2-125         |               |                | 2.20     | 20              |
| Chloromethane        | 0.0250               | 0.0238             | 0.0249              | 95.4          | 99.7           | 55.8-134         |               |                | 4.42     | 20              |
| 1,2-Dibromoethane    | 0.0250               | 0.0248             | 0.0253              | 99.1          | 101            | 79.8-122         |               |                | 2.29     | 20              |
| 1,1-Dichloroethane   | 0.0250               | 0.0236             | 0.0244              | 94.5          | 97.7           | 71.7-127         |               |                | 3.28     | 20              |



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/26/15 08:01 • (LCSD) 10/26/15 08:22

| Analyte                     | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| 1,2-Dichloroethane          | 0.0250               | 0.0222             | 0.0224              | 88.8          | 89.5           | 65.3-126         |               |                | 0.820    | 20              |
| 1,1-Dichloroethene          | 0.0250               | 0.0205             | 0.0209              | 81.8          | 83.5           | 59.9-137         |               |                | 2.06     | 20              |
| cis-1,2-Dichloroethene      | 0.0250               | 0.0244             | 0.0250              | 97.6          | 99.9           | 77.3-122         |               |                | 2.32     | 20              |
| trans-1,2-Dichloroethene    | 0.0250               | 0.0242             | 0.0250              | 97.0          | 99.8           | 72.6-125         |               |                | 2.89     | 20              |
| 1,2-Dichloropropane         | 0.0250               | 0.0249             | 0.0249              | 99.6          | 99.7           | 77.4-125         |               |                | 0.0900   | 20              |
| cis-1,3-Dichloropropene     | 0.0250               | 0.0243             | 0.0245              | 97.0          | 98.1           | 77.7-124         |               |                | 1.15     | 20              |
| trans-1,3-Dichloropropene   | 0.0250               | 0.0236             | 0.0237              | 94.3          | 95.0           | 73.5-127         |               |                | 0.730    | 20              |
| Ethylbenzene                | 0.0250               | 0.0243             | 0.0252              | 97.2          | 101            | 80.9-121         |               |                | 3.80     | 20              |
| 2-Hexanone                  | 0.125                | 0.124              | 0.123               | 99.1          | 98.5           | 59.4-151         |               |                | 0.600    | 20              |
| Isopropylbenzene            | 0.0250               | 0.0246             | 0.0250              | 98.2          | 99.9           | 81.6-124         |               |                | 1.66     | 20              |
| p-Isopropyltoluene          | 0.0250               | 0.0233             | 0.0238              | 93.2          | 95.0           | 77.6-129         |               |                | 1.93     | 20              |
| 2-Butanone (MEK)            | 0.125                | 0.118              | 0.119               | 94.5          | 95.0           | 46.4-155         |               |                | 0.500    | 20              |
| Methylene Chloride          | 0.0250               | 0.0237             | 0.0243              | 94.8          | 97.1           | 69.5-120         |               |                | 2.42     | 20              |
| 4-Methyl-2-pentanone (MIBK) | 0.125                | 0.112              | 0.110               | 89.6          | 87.9           | 63.3-138         |               |                | 1.90     | 20              |
| Methyl tert-butyl ether     | 0.0250               | 0.0236             | 0.0239              | 94.5          | 95.5           | 70.1-125         |               |                | 1.09     | 20              |
| Naphthalene                 | 0.0250               | 0.0270             | 0.0272              | 108           | 109            | 69.7-134         |               |                | 0.620    | 20              |
| n-Propylbenzene             | 0.0250               | 0.0243             | 0.0247              | 97.0          | 98.7           | 81.9-122         |               |                | 1.67     | 20              |
| Styrene                     | 0.0250               | 0.0251             | 0.0256              | 100           | 102            | 79.9-124         |               |                | 2.02     | 20              |
| 1,1,1,2-Tetrachloroethane   | 0.0250               | 0.0230             | 0.0231              | 91.9          | 92.4           | 78.5-125         |               |                | 0.530    | 20              |
| 1,1,2,2-Tetrachloroethane   | 0.0250               | 0.0250             | 0.0250              | 99.8          | 100            | 79.3-123         |               |                | 0.260    | 20              |
| Tetrachloroethene           | 0.0250               | 0.0246             | 0.0247              | 98.5          | 98.8           | 73.5-130         |               |                | 0.330    | 20              |
| Toluene                     | 0.0250               | 0.0244             | 0.0248              | 97.6          | 99.1           | 77.9-116         |               |                | 1.60     | 20              |
| 1,1,1-Trichloroethane       | 0.0250               | 0.0228             | 0.0232              | 91.1          | 93.0           | 71.1-129         |               |                | 1.98     | 20              |
| 1,1,2-Trichloroethane       | 0.0250               | 0.0260             | 0.0267              | 104           | 107            | 81.6-120         |               |                | 2.87     | 20              |
| Trichloroethene             | 0.0250               | 0.0235             | 0.0242              | 94.2          | 96.7           | 79.5-121         |               |                | 2.59     | 20              |
| 1,2,4-Trimethylbenzene      | 0.0250               | 0.0236             | 0.0242              | 94.6          | 97.0           | 79.0-122         |               |                | 2.50     | 20              |
| 1,3,5-Trimethylbenzene      | 0.0250               | 0.0234             | 0.0242              | 93.8          | 96.7           | 81.0-123         |               |                | 3.02     | 20              |
| Vinyl chloride              | 0.0250               | 0.0233             | 0.0242              | 93.4          | 96.8           | 61.5-134         |               |                | 3.58     | 20              |
| Xylenes, Total              | 0.0750               | 0.0739             | 0.0753              | 98.6          | 100            | 79.2-122         |               |                | 1.86     | 20              |
| o-Xylene                    | 0.0250               | 0.0243             | 0.0249              | 97.3          | 99.4           | 79.1-123         |               |                | 2.11     | 20              |
| m&p-Xylenes                 | 0.0500               | 0.0496             | 0.0505              | 99.2          | 101            | 78.5-122         |               |                | 1.74     | 20              |
| (S) Toluene-d8              |                      |                    |                     | 103           | 103            | 90.0-115         |               |                |          |                 |
| (S) Dibromofluoromethane    |                      |                    |                     | 97.8          | 99.4           | 79.0-121         |               |                |          |                 |
| (S) 4-Bromofluorobenzene    |                      |                    |                     | 91.6          | 92.4           | 80.1-120         |               |                |          |                 |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L796118-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/26/15 11:51 • (MS) 10/26/15 13:58 • (MSD) 10/26/15 14:19

| Analyte                     | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Acetone                     | 0.125                | ND                      | 0.0989            | 0.118              | 79.1         | 94.5          | 1        | 25.0-156         |              |               | 17.8     | 21.5            |
| Benzene                     | 0.0250               | ND                      | 0.0244            | 0.0254             | 97.6         | 102           | 1        | 58.6-133         |              |               | 4.01     | 20              |
| Bromodichloromethane        | 0.0250               | ND                      | 0.0217            | 0.0229             | 86.8         | 91.6          | 1        | 69.2-127         |              |               | 5.36     | 20              |
| Bromoform                   | 0.0250               | ND                      | 0.0200            | 0.0218             | 80.2         | 87.2          | 1        | 66.3-140         |              |               | 8.39     | 20              |
| Bromomethane                | 0.0250               | ND                      | 0.0210            | 0.0220             | 84.1         | 88.1          | 1        | 16.6-183         |              |               | 4.71     | 20.5            |
| n-Butylbenzene              | 0.0250               | ND                      | 0.0257            | 0.0260             | 103          | 104           | 1        | 64.8-145         |              |               | 1.13     | 20              |
| sec-Butylbenzene            | 0.0250               | ND                      | 0.0232            | 0.0243             | 92.7         | 97.1          | 1        | 66.8-139         |              |               | 4.63     | 20              |
| Carbon disulfide            | 0.0250               | ND                      | 0.0226            | 0.0238             | 90.5         | 95.3          | 1        | 34.9-138         |              |               | 5.25     | 20              |
| Carbon tetrachloride        | 0.0250               | ND                      | 0.0218            | 0.0226             | 87.0         | 90.5          | 1        | 60.6-139         |              |               | 3.97     | 20              |
| Chlorobenzene               | 0.0250               | ND                      | 0.0236            | 0.0244             | 94.3         | 97.5          | 1        | 70.1-130         |              |               | 3.32     | 20              |
| Chlorodibromomethane        | 0.0250               | ND                      | 0.0214            | 0.0229             | 85.6         | 91.5          | 1        | 71.6-132         |              |               | 6.71     | 20              |
| Chloroethane                | 0.0250               | ND                      | 0.0214            | 0.0221             | 85.6         | 88.3          | 1        | 33.3-155         |              |               | 3.12     | 20              |
| Chloroform                  | 0.0250               | 0.00569                 | 0.0285            | 0.0295             | 91.3         | 95.4          | 1        | 66.1-133         |              |               | 3.53     | 20              |
| Chloromethane               | 0.0250               | ND                      | 0.0251            | 0.0262             | 100          | 105           | 1        | 40.7-139         |              |               | 4.19     | 20              |
| 1,2-Dibromoethane           | 0.0250               | ND                      | 0.0227            | 0.0246             | 90.9         | 98.5          | 1        | 73.8-131         |              |               | 8.06     | 20              |
| 1,1-Dichloroethane          | 0.0250               | ND                      | 0.0237            | 0.0244             | 94.8         | 97.5          | 1        | 64.0-134         |              |               | 2.90     | 20              |
| 1,2-Dichloroethane          | 0.0250               | ND                      | 0.0213            | 0.0226             | 85.3         | 90.4          | 1        | 60.7-132         |              |               | 5.83     | 20              |
| 1,1-Dichloroethene          | 0.0250               | ND                      | 0.0201            | 0.0211             | 80.2         | 84.2          | 1        | 48.8-144         |              |               | 4.89     | 20              |
| cis-1,2-Dichloroethene      | 0.0250               | ND                      | 0.0238            | 0.0248             | 95.3         | 99.3          | 1        | 60.6-136         |              |               | 4.06     | 20              |
| trans-1,2-Dichloroethene    | 0.0250               | ND                      | 0.0241            | 0.0251             | 96.2         | 100           | 1        | 61.0-132         |              |               | 4.18     | 20              |
| 1,2-Dichloropropane         | 0.0250               | ND                      | 0.0239            | 0.0246             | 95.7         | 98.5          | 1        | 69.7-130         |              |               | 2.90     | 20              |
| cis-1,3-Dichloropropene     | 0.0250               | ND                      | 0.0225            | 0.0240             | 90.1         | 96.0          | 1        | 71.1-129         |              |               | 6.35     | 20              |
| trans-1,3-Dichloropropene   | 0.0250               | ND                      | 0.0214            | 0.0230             | 85.6         | 92.1          | 1        | 66.3-136         |              |               | 7.29     | 20              |
| Ethylbenzene                | 0.0250               | ND                      | 0.0232            | 0.0242             | 92.7         | 96.8          | 1        | 62.7-136         |              |               | 4.37     | 20              |
| 2-Hexanone                  | 0.125                | ND                      | 0.0948            | 0.115              | 75.9         | 92.3          | 1        | 59.4-154         |              |               | 19.6     | 20.1            |
| Isopropylbenzene            | 0.0250               | ND                      | 0.0236            | 0.0244             | 94.4         | 97.6          | 1        | 67.4-136         |              |               | 3.34     | 20              |
| p-Isopropyltoluene          | 0.0250               | ND                      | 0.0221            | 0.0229             | 88.6         | 91.5          | 1        | 62.8-143         |              |               | 3.27     | 20              |
| 2-Butanone (MEK)            | 0.125                | 0.000348                | 0.103             | 0.124              | 82.4         | 98.7          | 1        | 45.0-156         |              |               | 18.0     | 20.8            |
| Methylene Chloride          | 0.0250               | ND                      | 0.0234            | 0.0244             | 93.5         | 97.7          | 1        | 61.5-125         |              |               | 4.32     | 20              |
| 4-Methyl-2-pentanone (MIBK) | 0.125                | ND                      | 0.0934            | 0.112              | 74.7         | 89.7          | 1        | 60.7-150         |              |               | 18.3     | 20              |
| Methyl tert-butyl ether     | 0.0250               | ND                      | 0.0220            | 0.0239             | 88.2         | 95.5          | 1        | 61.4-136         |              |               | 7.97     | 20              |
| Naphthalene                 | 0.0250               | ND                      | 0.0230            | 0.0261             | 92.0         | 104           | 1        | 61.8-143         |              |               | 12.5     | 20              |
| n-Propylbenzene             | 0.0250               | ND                      | 0.0235            | 0.0242             | 94.0         | 96.7          | 1        | 63.2-139         |              |               | 2.84     | 20              |
| Styrene                     | 0.0250               | ND                      | 0.0233            | 0.0240             | 93.2         | 95.8          | 1        | 68.2-133         |              |               | 2.77     | 20              |
| 1,1,1,2-Tetrachloroethane   | 0.0250               | ND                      | 0.0207            | 0.0216             | 83.0         | 86.3          | 1        | 70.5-132         |              |               | 3.92     | 20              |
| 1,1,2,2-Tetrachloroethane   | 0.0250               | ND                      | 0.0222            | 0.0250             | 88.9         | 99.8          | 1        | 64.9-145         |              |               | 11.6     | 20              |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc





L796118-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/26/15 11:51 • (MS) 10/26/15 13:58 • (MSD) 10/26/15 14:19

| Analyte                  | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Tetrachloroethene        | 0.0250               | ND                      | 0.0235            | 0.0238             | 93.8         | 95.3          | 1        | 57.4-141         |              |               | 1.57     | 20              |
| Toluene                  | 0.0250               | ND                      | 0.0235            | 0.0245             | 93.8         | 97.8          | 1        | 67.8-124         |              |               | 4.18     | 20              |
| 1,1,1-Trichloroethane    | 0.0250               | ND                      | 0.0222            | 0.0234             | 88.9         | 93.6          | 1        | 58.7-134         |              |               | 5.16     | 20              |
| 1,1,2-Trichloroethane    | 0.0250               | ND                      | 0.0234            | 0.0260             | 93.8         | 104           | 1        | 74.1-130         |              |               | 10.5     | 20              |
| Trichloroethene          | 0.0250               | ND                      | 0.0223            | 0.0232             | 89.3         | 93.0          | 1        | 48.9-148         |              |               | 4.02     | 20              |
| 1,2,4-Trimethylbenzene   | 0.0250               | ND                      | 0.0223            | 0.0230             | 89.0         | 92.0          | 1        | 60.5-137         |              |               | 3.31     | 20              |
| 1,3,5-Trimethylbenzene   | 0.0250               | ND                      | 0.0221            | 0.0228             | 88.5         | 91.2          | 1        | 67.9-134         |              |               | 3.03     | 20              |
| Vinyl chloride           | 0.0250               | ND                      | 0.0233            | 0.0250             | 93.1         | 100           | 1        | 44.3-143         |              |               | 7.30     | 20              |
| Xylenes, Total           | 0.0750               | ND                      | 0.0699            | 0.0717             | 93.2         | 95.6          | 1        | 65.6-133         |              |               | 2.47     | 20              |
| o-Xylene                 | 0.0250               | ND                      | 0.0231            | 0.0236             | 92.5         | 94.4          | 1        | 67.1-133         |              |               | 2.04     | 20              |
| m&p-Xylenes              | 0.0500               | ND                      | 0.0468            | 0.0481             | 93.6         | 96.2          | 1        | 64.1-133         |              |               | 2.68     | 20              |
| (S) Toluene-d8           |                      |                         |                   |                    | 104          | 104           |          | 90.0-115         |              |               |          |                 |
| (S) Dibromofluoromethane |                      |                         |                   |                    | 99.4         | 99.5          |          | 79.0-121         |              |               |          |                 |
| (S) 4-Bromofluorobenzene |                      |                         |                   |                    | 89.8         | 91.2          |          | 80.1-120         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 10/26/15 22:39

| Analyte                     | MB Result | MB Qualifier | MB MDL   | MB RDL  |
|-----------------------------|-----------|--------------|----------|---------|
|                             | mg/l      |              | mg/l     | mg/l    |
| Acetone                     | U         |              | 0.0100   | 0.0500  |
| Benzene                     | U         |              | 0.000331 | 0.00100 |
| Bromodichloromethane        | U         |              | 0.000380 | 0.00100 |
| Bromoform                   | U         |              | 0.000469 | 0.00100 |
| Bromomethane                | U         |              | 0.000866 | 0.00500 |
| n-Butylbenzene              | U         |              | 0.000361 | 0.00100 |
| sec-Butylbenzene            | U         |              | 0.000365 | 0.00100 |
| Carbon disulfide            | U         |              | 0.000275 | 0.00100 |
| Carbon tetrachloride        | U         |              | 0.000379 | 0.00100 |
| Chlorobenzene               | U         |              | 0.000348 | 0.00100 |
| Chlorodibromomethane        | U         |              | 0.000327 | 0.00100 |
| Chloroethane                | U         |              | 0.000453 | 0.00500 |
| Chloroform                  | U         |              | 0.000324 | 0.00500 |
| Chloromethane               | U         |              | 0.000276 | 0.00250 |
| 1,2-Dibromoethane           | U         |              | 0.000381 | 0.00100 |
| 1,1-Dichloroethane          | U         |              | 0.000259 | 0.00100 |
| 1,2-Dichloroethane          | U         |              | 0.000361 | 0.00100 |
| 1,1-Dichloroethene          | U         |              | 0.000398 | 0.00100 |
| cis-1,2-Dichloroethene      | U         |              | 0.000260 | 0.00100 |
| trans-1,2-Dichloroethene    | U         |              | 0.000396 | 0.00100 |
| 1,2-Dichloropropane         | U         |              | 0.000306 | 0.00100 |
| cis-1,3-Dichloropropene     | U         |              | 0.000418 | 0.00100 |
| trans-1,3-Dichloropropene   | U         |              | 0.000419 | 0.00100 |
| Ethylbenzene                | U         |              | 0.000384 | 0.00100 |
| 2-Hexanone                  | U         |              | 0.00382  | 0.0100  |
| Isopropylbenzene            | U         |              | 0.000326 | 0.00100 |
| p-Isopropyltoluene          | U         |              | 0.000350 | 0.00100 |
| 2-Butanone (MEK)            | U         |              | 0.00393  | 0.0100  |
| Methylene Chloride          | U         |              | 0.00100  | 0.00500 |
| 4-Methyl-2-pentanone (MIBK) | U         |              | 0.00214  | 0.0100  |
| Methyl tert-butyl ether     | U         |              | 0.000367 | 0.00100 |
| Naphthalene                 | U         |              | 0.00100  | 0.00500 |
| n-Propylbenzene             | U         |              | 0.000349 | 0.00100 |
| Styrene                     | U         |              | 0.000307 | 0.00100 |
| 1,1,1,2-Tetrachloroethane   | U         |              | 0.000385 | 0.00100 |
| 1,1,2,2-Tetrachloroethane   | U         |              | 0.000130 | 0.00100 |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc



Method Blank (MB)

(MB) 10/26/15 22:39

| Analyte                  | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|--------------------------|-------------------|--------------|----------------|----------------|
| Tetrachloroethene        | U                 |              | 0.000372       | 0.00100        |
| Toluene                  | U                 |              | 0.000780       | 0.00500        |
| 1,1,1-Trichloroethane    | U                 |              | 0.000319       | 0.00100        |
| 1,1,2-Trichloroethane    | U                 |              | 0.000383       | 0.00100        |
| Trichloroethene          | U                 |              | 0.000398       | 0.00100        |
| 1,2,4-Trimethylbenzene   | U                 |              | 0.000373       | 0.00100        |
| 1,3,5-Trimethylbenzene   | U                 |              | 0.000387       | 0.00100        |
| Vinyl chloride           | U                 |              | 0.000259       | 0.00100        |
| Xylenes, Total           | U                 |              | 0.00106        | 0.00300        |
| o-Xylene                 | U                 |              | 0.000341       | 0.00100        |
| m&p-Xylenes              | U                 |              | 0.000719       | 0.00100        |
| (S) Toluene-d8           | 104               |              |                | 90.0-115       |
| (S) Dibromofluoromethane | 99.8              |              |                | 79.0-121       |
| (S) 4-Bromofluorobenzene | 92.0              |              |                | 80.1-120       |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/26/15 21:15 • (LCSD) 10/26/15 21:36

| Analyte              | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone              | 0.125                | 0.131              | 0.118               | 105           | 94.0           | 28.7-175         |               |                | 10.8     | 20.9            |
| Benzene              | 0.0250               | 0.0256             | 0.0250              | 102           | 99.9           | 73.0-122         |               |                | 2.52     | 20              |
| Bromodichloromethane | 0.0250               | 0.0231             | 0.0226              | 92.4          | 90.3           | 75.5-121         |               |                | 2.27     | 20              |
| Bromoform            | 0.0250               | 0.0218             | 0.0210              | 87.2          | 83.9           | 71.5-131         |               |                | 3.88     | 20              |
| Bromomethane         | 0.0250               | 0.0221             | 0.0212              | 88.5          | 84.8           | 22.4-187         |               |                | 4.20     | 20              |
| n-Butylbenzene       | 0.0250               | 0.0266             | 0.0262              | 107           | 105            | 75.9-134         |               |                | 1.74     | 20              |
| sec-Butylbenzene     | 0.0250               | 0.0238             | 0.0237              | 95.2          | 94.6           | 80.6-126         |               |                | 0.580    | 20              |
| Carbon disulfide     | 0.0250               | 0.0245             | 0.0235              | 98.1          | 94.1           | 53.0-134         |               |                | 4.10     | 20              |
| Carbon tetrachloride | 0.0250               | 0.0224             | 0.0218              | 89.6          | 87.3           | 70.9-129         |               |                | 2.59     | 20              |
| Chlorobenzene        | 0.0250               | 0.0241             | 0.0242              | 96.5          | 96.9           | 79.7-122         |               |                | 0.410    | 20              |
| Chlorodibromomethane | 0.0250               | 0.0228             | 0.0225              | 91.3          | 90.0           | 78.2-124         |               |                | 1.46     | 20              |
| Chloroethane         | 0.0250               | 0.0218             | 0.0214              | 87.1          | 85.6           | 41.2-153         |               |                | 1.71     | 20              |
| Chloroform           | 0.0250               | 0.0245             | 0.0237              | 97.9          | 94.7           | 73.2-125         |               |                | 3.24     | 20              |
| Chloromethane        | 0.0250               | 0.0252             | 0.0249              | 101           | 99.8           | 55.8-134         |               |                | 1.12     | 20              |
| 1,2-Dibromoethane    | 0.0250               | 0.0245             | 0.0235              | 97.9          | 93.9           | 79.8-122         |               |                | 4.16     | 20              |
| 1,1-Dichloroethane   | 0.0250               | 0.0248             | 0.0245              | 99.3          | 98.0           | 71.7-127         |               |                | 1.33     | 20              |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/26/15 21:15 • (LCSD) 10/26/15 21:36

| Analyte                     | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| 1,2-Dichloroethane          | 0.0250               | 0.0231             | 0.0221              | 92.5          | 88.6           | 65.3-126         |               |                | 4.33     | 20              |
| 1,1-Dichloroethene          | 0.0250               | 0.0211             | 0.0205              | 84.5          | 82.0           | 59.9-137         |               |                | 2.93     | 20              |
| cis-1,2-Dichloroethene      | 0.0250               | 0.0254             | 0.0249              | 101           | 99.6           | 77.3-122         |               |                | 1.86     | 20              |
| trans-1,2-Dichloroethene    | 0.0250               | 0.0250             | 0.0241              | 100           | 96.3           | 72.6-125         |               |                | 3.84     | 20              |
| 1,2-Dichloropropane         | 0.0250               | 0.0254             | 0.0247              | 102           | 99.0           | 77.4-125         |               |                | 2.63     | 20              |
| cis-1,3-Dichloropropene     | 0.0250               | 0.0243             | 0.0232              | 97.2          | 92.7           | 77.7-124         |               |                | 4.75     | 20              |
| trans-1,3-Dichloropropene   | 0.0250               | 0.0233             | 0.0221              | 93.0          | 88.3           | 73.5-127         |               |                | 5.21     | 20              |
| Ethylbenzene                | 0.0250               | 0.0239             | 0.0238              | 95.6          | 95.0           | 80.9-121         |               |                | 0.590    | 20              |
| 2-Hexanone                  | 0.125                | 0.121              | 0.111               | 97.0          | 88.5           | 59.4-151         |               |                | 9.19     | 20              |
| Isopropylbenzene            | 0.0250               | 0.0240             | 0.0240              | 96.0          | 95.9           | 81.6-124         |               |                | 0.0600   | 20              |
| p-Isopropyltoluene          | 0.0250               | 0.0228             | 0.0225              | 91.2          | 90.0           | 77.6-129         |               |                | 1.23     | 20              |
| 2-Butanone (MEK)            | 0.125                | 0.130              | 0.117               | 104           | 93.4           | 46.4-155         |               |                | 10.8     | 20              |
| Methylene Chloride          | 0.0250               | 0.0247             | 0.0237              | 98.7          | 95.0           | 69.5-120         |               |                | 3.82     | 20              |
| 4-Methyl-2-pentanone (MIBK) | 0.125                | 0.114              | 0.103               | 91.1          | 82.1           | 63.3-138         |               |                | 10.4     | 20              |
| Methyl tert-butyl ether     | 0.0250               | 0.0248             | 0.0231              | 99.3          | 92.3           | 70.1-125         |               |                | 7.25     | 20              |
| Naphthalene                 | 0.0250               | 0.0259             | 0.0243              | 104           | 97.0           | 69.7-134         |               |                | 6.57     | 20              |
| n-Propylbenzene             | 0.0250               | 0.0242             | 0.0237              | 96.6          | 94.7           | 81.9-122         |               |                | 2.00     | 20              |
| Styrene                     | 0.0250               | 0.0243             | 0.0243              | 97.3          | 97.2           | 79.9-124         |               |                | 0.160    | 20              |
| 1,1,1,2-Tetrachloroethane   | 0.0250               | 0.0222             | 0.0221              | 88.6          | 88.5           | 78.5-125         |               |                | 0.180    | 20              |
| 1,1,2,2-Tetrachloroethane   | 0.0250               | 0.0246             | 0.0231              | 98.3          | 92.2           | 79.3-123         |               |                | 6.36     | 20              |
| Tetrachloroethene           | 0.0250               | 0.0232             | 0.0237              | 93.0          | 94.9           | 73.5-130         |               |                | 2.04     | 20              |
| Toluene                     | 0.0250               | 0.0243             | 0.0240              | 97.4          | 95.9           | 77.9-116         |               |                | 1.48     | 20              |
| 1,1,1-Trichloroethane       | 0.0250               | 0.0234             | 0.0228              | 93.7          | 91.4           | 71.1-129         |               |                | 2.56     | 20              |
| 1,1,2-Trichloroethane       | 0.0250               | 0.0259             | 0.0252              | 104           | 101            | 81.6-120         |               |                | 2.56     | 20              |
| Trichloroethene             | 0.0250               | 0.0235             | 0.0239              | 94.0          | 95.6           | 79.5-121         |               |                | 1.67     | 20              |
| 1,2,4-Trimethylbenzene      | 0.0250               | 0.0233             | 0.0227              | 93.1          | 91.0           | 79.0-122         |               |                | 2.24     | 20              |
| 1,3,5-Trimethylbenzene      | 0.0250               | 0.0234             | 0.0232              | 93.5          | 92.6           | 81.0-123         |               |                | 0.930    | 20              |
| Vinyl chloride              | 0.0250               | 0.0242             | 0.0236              | 96.9          | 94.4           | 61.5-134         |               |                | 2.56     | 20              |
| Xylenes, Total              | 0.0750               | 0.0722             | 0.0721              | 96.3          | 96.1           | 79.2-122         |               |                | 0.200    | 20              |
| o-Xylene                    | 0.0250               | 0.0239             | 0.0237              | 95.6          | 94.9           | 79.1-123         |               |                | 0.810    | 20              |
| m&p-Xylenes                 | 0.0500               | 0.0483             | 0.0484              | 96.7          | 96.8           | 78.5-122         |               |                | 0.110    | 20              |
| (S) Toluene-d8              |                      |                    |                     | 103           | 102            | 90.0-115         |               |                |          |                 |
| (S) Dibromofluoromethane    |                      |                    |                     | 100           | 98.6           | 79.0-121         |               |                |          |                 |
| (S) 4-Bromofluorobenzene    |                      |                    |                     | 89.0          | 90.3           | 80.1-120         |               |                |          |                 |

1

Cp

2

Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

L796114-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/29/15 15:07 • (MS) 10/29/15 15:24 • (MSD) 10/29/15 15:42

| Analyte                     | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Acetone                     | 0.125                | ND                      | 0.845             | 0.810              | 135          | 130           | 5        | 25.0-156         |              |               | 4.29     | 21.5            |
| Benzene                     | 0.0250               | 0.187                   | 0.270             | 0.276              | 66.2         | 70.7          | 5        | 58.6-133         |              |               | 2.03     | 20              |
| Bromodichloromethane        | 0.0250               | ND                      | 0.0914            | 0.0946             | 73.1         | 75.7          | 5        | 69.2-127         |              |               | 3.43     | 20              |
| Bromoform                   | 0.0250               | ND                      | 0.0924            | 0.0873             | 74.0         | 69.8          | 5        | 66.3-140         |              |               | 5.75     | 20              |
| Bromomethane                | 0.0250               | ND                      | 0.0745            | 0.0758             | 59.6         | 60.6          | 5        | 16.6-183         |              |               | 1.66     | 20.5            |
| n-Butylbenzene              | 0.0250               | 0.0614                  | 0.171             | 0.173              | 88.1         | 89.4          | 5        | 64.8-145         |              |               | 0.940    | 20              |
| sec-Butylbenzene            | 0.0250               | 0.0255                  | 0.126             | 0.127              | 80.4         | 81.5          | 5        | 66.8-139         |              |               | 1.09     | 20              |
| Carbon disulfide            | 0.0250               | ND                      | 0.0232            | 0.0241             | 18.6         | 19.3          | 5        | 34.9-138         | F            | F             | 3.77     | 20              |
| Carbon tetrachloride        | 0.0250               | ND                      | 0.0897            | 0.0899             | 71.7         | 71.9          | 5        | 60.6-139         |              |               | 0.210    | 20              |
| Chlorobenzene               | 0.0250               | ND                      | 0.0816            | 0.0813             | 65.3         | 65.1          | 5        | 70.1-130         | F            | F             | 0.360    | 20              |
| Chlorodibromomethane        | 0.0250               | ND                      | 0.0915            | 0.0920             | 73.2         | 73.6          | 5        | 71.6-132         |              |               | 0.580    | 20              |
| Chloroethane                | 0.0250               | ND                      | 0.0683            | 0.0722             | 54.6         | 57.8          | 5        | 33.3-155         |              |               | 5.59     | 20              |
| Chloroform                  | 0.0250               | ND                      | 0.113             | 0.116              | 90.6         | 92.6          | 5        | 66.1-133         |              |               | 2.18     | 20              |
| Chloromethane               | 0.0250               | ND                      | 0.0496            | 0.0495             | 39.6         | 39.6          | 5        | 40.7-139         | F            | F             | 0.0500   | 20              |
| 1,2-Dibromoethane           | 0.0250               | ND                      | 0.0890            | 0.0817             | 71.2         | 65.4          | 5        | 73.8-131         | F            | F             | 8.52     | 20              |
| 1,1-Dichloroethane          | 0.0250               | ND                      | 0.0950            | 0.0948             | 76.0         | 75.8          | 5        | 64.0-134         |              |               | 0.260    | 20              |
| 1,2-Dichloroethane          | 0.0250               | ND                      | 0.0915            | 0.0903             | 73.2         | 72.2          | 5        | 60.7-132         |              |               | 1.33     | 20              |
| 1,1-Dichloroethene          | 0.0250               | ND                      | 0.0685            | 0.0706             | 54.8         | 56.5          | 5        | 48.8-144         |              |               | 3.03     | 20              |
| cis-1,2-Dichloroethene      | 0.0250               | ND                      | 0.0887            | 0.0917             | 70.9         | 73.3          | 5        | 60.6-136         |              |               | 3.30     | 20              |
| trans-1,2-Dichloroethene    | 0.0250               | ND                      | 0.0665            | 0.0648             | 53.2         | 51.9          | 5        | 61.0-132         | F            | F             | 2.55     | 20              |
| 1,2-Dichloropropane         | 0.0250               | ND                      | 0.0995            | 0.0977             | 79.6         | 78.2          | 5        | 69.7-130         |              |               | 1.83     | 20              |
| cis-1,3-Dichloropropene     | 0.0250               | ND                      | 0.0969            | 0.0938             | 77.5         | 75.0          | 5        | 71.1-129         |              |               | 3.25     | 20              |
| trans-1,3-Dichloropropene   | 0.0250               | ND                      | 0.0965            | 0.0917             | 77.2         | 73.4          | 5        | 66.3-136         |              |               | 5.15     | 20              |
| Ethylbenzene                | 0.0250               | 1.37                    | 1.37              | 1.40               | 0.000        | 25.2          | 5        | 62.7-136         | 4            | 4             | 2.34     | 20              |
| 2-Hexanone                  | 0.125                | 0.00616                 | 0.495             | 0.447              | 78.1         | 70.5          | 5        | 59.4-154         |              |               | 10.2     | 20.1            |
| Isopropylbenzene            | 0.0250               | 0.0963                  | 0.183             | 0.189              | 69.4         | 74.0          | 5        | 67.4-136         |              |               | 3.05     | 20              |
| p-Isopropyltoluene          | 0.0250               | 0.0150                  | 0.120             | 0.122              | 83.9         | 85.4          | 5        | 62.8-143         |              |               | 1.60     | 20              |
| 2-Butanone (MEK)            | 0.125                | ND                      | 0.668             | 0.595              | 107          | 95.3          | 5        | 45.0-156         |              |               | 11.6     | 20.8            |
| Methylene Chloride          | 0.0250               | ND                      | 0.0798            | 0.0809             | 63.9         | 64.7          | 5        | 61.5-125         |              |               | 1.30     | 20              |
| 4-Methyl-2-pentanone (MIBK) | 0.125                | ND                      | 0.560             | 0.517              | 89.6         | 82.6          | 5        | 60.7-150         |              |               | 8.10     | 20              |
| Methyl tert-butyl ether     | 0.0250               | 0.000384                | 0.105             | 0.100              | 83.8         | 79.7          | 5        | 61.4-136         |              |               | 4.95     | 20              |
| Naphthalene                 | 0.0250               | 0.400                   | 0.542             | 0.539              | 113          | 111           | 5        | 61.8-143         |              |               | 0.530    | 20              |
| n-Propylbenzene             | 0.0250               | 0.316                   | 0.395             | 0.401              | 63.1         | 68.1          | 5        | 63.2-139         | F            |               | 1.57     | 20              |
| Styrene                     | 0.0250               | ND                      | 0.102             | 0.103              | 82.0         | 82.6          | 5        | 68.2-133         |              |               | 0.800    | 20              |
| 1,1,1,2-Tetrachloroethane   | 0.0250               | ND                      | 0.0955            | 0.0957             | 76.4         | 76.6          | 5        | 70.5-132         |              |               | 0.190    | 20              |
| 1,1,2,2-Tetrachloroethane   | 0.0250               | ND                      | 0.105             | 0.0985             | 83.7         | 78.8          | 5        | 64.9-145         |              |               | 6.03     | 20              |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc



L796114-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/29/15 15:07 • (MS) 10/29/15 15:24 • (MSD) 10/29/15 15:42

| Analyte                  | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Tetrachloroethene        | 0.0250               | ND                      | 0.0696            | 0.0731             | 55.7         | 58.5          | 5        | 57.4-141         | F            |               | 4.91     | 20              |
| Toluene                  | 0.0250               | 0.184                   | 0.263             | 0.263              | 63.9         | 63.3          | 5        | 67.8-124         | F            | F             | 0.270    | 20              |
| 1,1,1-Trichloroethane    | 0.0250               | ND                      | 0.0955            | 0.0946             | 76.4         | 75.7          | 5        | 58.7-134         |              |               | 0.940    | 20              |
| 1,1,2-Trichloroethane    | 0.0250               | ND                      | 0.107             | 0.104              | 85.2         | 83.2          | 5        | 74.1-130         |              |               | 2.36     | 20              |
| Trichloroethene          | 0.0250               | ND                      | 0.0814            | 0.0802             | 65.1         | 64.2          | 5        | 48.9-148         |              |               | 1.46     | 20              |
| 1,2,4-Trimethylbenzene   | 0.0250               | 0.864                   | 0.937             | 0.949              | 58.5         | 67.8          | 5        | 60.5-137         | 4            |               | 1.24     | 20              |
| 1,3,5-Trimethylbenzene   | 0.0250               | 0.0493                  | 0.145             | 0.150              | 76.7         | 80.5          | 5        | 67.9-134         |              |               | 3.25     | 20              |
| Vinyl chloride           | 0.0250               | ND                      | 0.0533            | 0.0557             | 42.6         | 44.6          | 5        | 44.3-143         | F            |               | 4.44     | 20              |
| Xylenes, Total           | 0.0750               | 2.07                    | 2.23              | 2.29               | 42.3         | 57.8          | 5        | 65.6-133         | 4            | 4             | 2.58     | 20              |
| o-Xylene                 | 0.0250               | 0.154                   | 0.239             | 0.245              | 67.9         | 72.3          | 5        | 67.1-133         |              |               | 2.27     | 20              |
| m&p-Xylenes              | 0.0500               | 1.92                    | 1.99              | 2.04               | 29.5         | 50.6          | 5        | 64.1-133         | 4            | 4             | 2.61     | 20              |
| (S) Toluene-d8           |                      |                         |                   |                    | 107          | 106           |          | 90.0-115         |              |               |          |                 |
| (S) Dibromofluoromethane |                      |                         |                   |                    | 103          | 105           |          | 79.0-121         |              |               |          |                 |
| (S) 4-Bromofluorobenzene |                      |                         |                   |                    | 95.3         | 98.0          |          | 80.1-120         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 10/29/15 12:20

| Analyte                 | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|-------------------------|-------------------|--------------|----------------|----------------|
| Methyl tert-butyl ether | U                 |              | 0.000367       | 0.00100        |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/29/15 11:09 • (LCSD) 10/29/15 11:26

| Analyte                 | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Methyl tert-butyl ether | 0.0250               | 0.0204             | 0.0216              | 81.6          | 86.3           | 70.1-125         |               |                | 5.61     | 20              |

L796464-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/29/15 13:53 • (MS) 10/29/15 12:59 • (MSD) 10/29/15 13:17

| Analyte                 | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Methyl tert-butyl ether | 0.0250               | ND                      | 0.0154            | 0.0158             | 61.5         | 63.2          | 1        | 61.4-136         |              |               | 2.62     | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) 10/28/15 10:39

| Analyte                     | MB Result | MB Qualifier | MB MDL   | MB RDL  |
|-----------------------------|-----------|--------------|----------|---------|
|                             | mg/l      |              | mg/l     | mg/l    |
| Acetone                     | U         |              | 0.0100   | 0.0500  |
| Benzene                     | U         |              | 0.000331 | 0.00100 |
| Bromodichloromethane        | U         |              | 0.000380 | 0.00100 |
| Bromoform                   | U         |              | 0.000469 | 0.00100 |
| Bromomethane                | U         |              | 0.000866 | 0.00500 |
| n-Butylbenzene              | U         |              | 0.000361 | 0.00100 |
| sec-Butylbenzene            | U         |              | 0.000365 | 0.00100 |
| Carbon disulfide            | U         |              | 0.000275 | 0.00100 |
| Carbon tetrachloride        | U         |              | 0.000379 | 0.00100 |
| Chlorobenzene               | U         |              | 0.000348 | 0.00100 |
| Chlorodibromomethane        | U         |              | 0.000327 | 0.00100 |
| Chloroethane                | U         |              | 0.000453 | 0.00500 |
| Chloroform                  | U         |              | 0.000324 | 0.00500 |
| Chloromethane               | U         |              | 0.000276 | 0.00250 |
| 1,2-Dibromoethane           | U         |              | 0.000381 | 0.00100 |
| 1,1-Dichloroethane          | U         |              | 0.000259 | 0.00100 |
| 1,2-Dichloroethane          | U         |              | 0.000361 | 0.00100 |
| 1,1-Dichloroethene          | U         |              | 0.000398 | 0.00100 |
| cis-1,2-Dichloroethene      | U         |              | 0.000260 | 0.00100 |
| trans-1,2-Dichloroethene    | U         |              | 0.000396 | 0.00100 |
| 1,2-Dichloropropane         | U         |              | 0.000306 | 0.00100 |
| cis-1,3-Dichloropropene     | U         |              | 0.000418 | 0.00100 |
| trans-1,3-Dichloropropene   | U         |              | 0.000419 | 0.00100 |
| Ethylbenzene                | U         |              | 0.000384 | 0.00100 |
| 2-Hexanone                  | U         |              | 0.00382  | 0.0100  |
| Isopropylbenzene            | U         |              | 0.000326 | 0.00100 |
| p-Isopropyltoluene          | U         |              | 0.000350 | 0.00100 |
| 2-Butanone (MEK)            | U         |              | 0.00393  | 0.0100  |
| Methylene Chloride          | U         |              | 0.00100  | 0.00500 |
| Methyl tert-butyl ether     | U         |              | 0.000367 | 0.00100 |
| 4-Methyl-2-pentanone (MIBK) | U         |              | 0.00214  | 0.0100  |
| Naphthalene                 | U         |              | 0.00100  | 0.00500 |
| 1,1,2,2-Tetrachloroethane   | U         |              | 0.000130 | 0.00100 |
| Tetrachloroethene           | U         |              | 0.000372 | 0.00100 |
| n-Propylbenzene             | U         |              | 0.000349 | 0.00100 |
| Styrene                     | U         |              | 0.000307 | 0.00100 |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc



Method Blank (MB)

(MB) 10/28/15 10:39

| Analyte                   | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|---------------------------|-------------------|--------------|----------------|----------------|
| Toluene                   | U                 |              | 0.000780       | 0.00500        |
| 1,1,1,2-Tetrachloroethane | U                 |              | 0.000385       | 0.00100        |
| 1,1,1-Trichloroethane     | U                 |              | 0.000319       | 0.00100        |
| 1,1,2-Trichloroethane     | U                 |              | 0.000383       | 0.00100        |
| Trichloroethene           | U                 |              | 0.000398       | 0.00100        |
| Vinyl chloride            | U                 |              | 0.000259       | 0.00100        |
| 1,2,4-Trimethylbenzene    | U                 |              | 0.000373       | 0.00100        |
| 1,3,5-Trimethylbenzene    | U                 |              | 0.000387       | 0.00100        |
| Xylenes, Total            | U                 |              | 0.00106        | 0.00300        |
| o-Xylene                  | U                 |              | 0.000341       | 0.00100        |
| m&p-Xylenes               | U                 |              | 0.000719       | 0.00100        |
| (S) Toluene-d8            | 98.2              |              |                | 90.0-115       |
| (S) Dibromofluoromethane  | 92.5              |              |                | 79.0-121       |
| (S) 4-Bromofluorobenzene  | 93.0              |              |                | 80.1-120       |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 09:29 • (LCSD) 10/28/15 09:46

| Analyte              | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone              | 0.125                | 0.103              | 0.101               | 82.6          | 80.7           | 28.7-175         |               |                | 2.42     | 20.9            |
| Benzene              | 0.0250               | 0.0228             | 0.0231              | 91.0          | 92.3           | 73.0-122         |               |                | 1.39     | 20              |
| Bromodichloromethane | 0.0250               | 0.0229             | 0.0234              | 91.5          | 93.4           | 75.5-121         |               |                | 2.07     | 20              |
| Bromoform            | 0.0250               | 0.0288             | 0.0296              | 115           | 118            | 71.5-131         |               |                | 2.57     | 20              |
| Bromomethane         | 0.0250               | 0.0243             | 0.0243              | 97.3          | 97.1           | 22.4-187         |               |                | 0.280    | 20              |
| n-Butylbenzene       | 0.0250               | 0.0218             | 0.0233              | 87.3          | 93.3           | 75.9-134         |               |                | 6.66     | 20              |
| sec-Butylbenzene     | 0.0250               | 0.0235             | 0.0245              | 94.1          | 98.0           | 80.6-126         |               |                | 4.02     | 20              |
| Carbon disulfide     | 0.0250               | 0.0226             | 0.0230              | 90.5          | 92.0           | 53.0-134         |               |                | 1.63     | 20              |
| Carbon tetrachloride | 0.0250               | 0.0235             | 0.0241              | 93.9          | 96.5           | 70.9-129         |               |                | 2.77     | 20              |
| Chlorobenzene        | 0.0250               | 0.0259             | 0.0262              | 104           | 105            | 79.7-122         |               |                | 0.880    | 20              |
| Chlorodibromomethane | 0.0250               | 0.0259             | 0.0265              | 104           | 106            | 78.2-124         |               |                | 2.23     | 20              |
| Chloroethane         | 0.0250               | 0.0222             | 0.0230              | 89.0          | 91.8           | 41.2-153         |               |                | 3.17     | 20              |
| Chloroform           | 0.0250               | 0.0220             | 0.0223              | 88.0          | 89.0           | 73.2-125         |               |                | 1.17     | 20              |
| Chloromethane        | 0.0250               | 0.0233             | 0.0236              | 93.2          | 94.3           | 55.8-134         |               |                | 1.16     | 20              |
| 1,2-Dibromoethane    | 0.0250               | 0.0258             | 0.0261              | 103           | 105            | 79.8-122         |               |                | 1.40     | 20              |
| 1,1-Dichloroethane   | 0.0250               | 0.0224             | 0.0229              | 89.6          | 91.5           | 71.7-127         |               |                | 2.12     | 20              |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 09:29 • (LCSD) 10/28/15 09:46

| Analyte                     | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| 1,2-Dichloroethane          | 0.0250               | 0.0198             | 0.0198              | 79.2          | 79.2           | 65.3-126         |               |                | 0.0100   | 20              |
| 1,1-Dichloroethene          | 0.0250               | 0.0201             | 0.0204              | 80.4          | 81.6           | 59.9-137         |               |                | 1.42     | 20              |
| trans-1,2-Dichloroethene    | 0.0250               | 0.0230             | 0.0234              | 91.9          | 93.7           | 72.6-125         |               |                | 2.00     | 20              |
| cis-1,2-Dichloroethene      | 0.0250               | 0.0235             | 0.0238              | 94.2          | 95.2           | 77.3-122         |               |                | 1.10     | 20              |
| 1,2-Dichloropropane         | 0.0250               | 0.0250             | 0.0253              | 100           | 101            | 77.4-125         |               |                | 1.26     | 20              |
| cis-1,3-Dichloropropene     | 0.0250               | 0.0256             | 0.0259              | 102           | 104            | 77.7-124         |               |                | 1.14     | 20              |
| trans-1,3-Dichloropropene   | 0.0250               | 0.0245             | 0.0244              | 97.8          | 97.6           | 73.5-127         |               |                | 0.240    | 20              |
| Ethylbenzene                | 0.0250               | 0.0253             | 0.0259              | 101           | 104            | 80.9-121         |               |                | 2.57     | 20              |
| 2-Hexanone                  | 0.125                | 0.128              | 0.126               | 102           | 101            | 59.4-151         |               |                | 1.87     | 20              |
| Isopropylbenzene            | 0.0250               | 0.0246             | 0.0254              | 98.5          | 102            | 81.6-124         |               |                | 3.02     | 20              |
| p-Isopropyltoluene          | 0.0250               | 0.0242             | 0.0250              | 96.9          | 99.9           | 77.6-129         |               |                | 3.07     | 20              |
| Methylene Chloride          | 0.0250               | 0.0197             | 0.0199              | 78.9          | 79.4           | 69.5-120         |               |                | 0.630    | 20              |
| 2-Butanone (MEK)            | 0.125                | 0.114              | 0.114               | 91.1          | 91.0           | 46.4-155         |               |                | 0.0300   | 20              |
| 4-Methyl-2-pentanone (MIBK) | 0.125                | 0.102              | 0.103               | 81.4          | 82.1           | 63.3-138         |               |                | 0.900    | 20              |
| Methyl tert-butyl ether     | 0.0250               | 0.0220             | 0.0215              | 87.9          | 86.2           | 70.1-125         |               |                | 2.03     | 20              |
| Naphthalene                 | 0.0250               | 0.0217             | 0.0226              | 86.7          | 90.3           | 69.7-134         |               |                | 4.09     | 20              |
| n-Propylbenzene             | 0.0250               | 0.0237             | 0.0244              | 94.9          | 97.7           | 81.9-122         |               |                | 2.87     | 20              |
| Styrene                     | 0.0250               | 0.0247             | 0.0248              | 98.7          | 99.1           | 79.9-124         |               |                | 0.450    | 20              |
| 1,1,1,2-Tetrachloroethane   | 0.0250               | 0.0265             | 0.0270              | 106           | 108            | 78.5-125         |               |                | 1.89     | 20              |
| 1,1,2,2-Tetrachloroethane   | 0.0250               | 0.0234             | 0.0239              | 93.5          | 95.5           | 79.3-123         |               |                | 2.06     | 20              |
| Tetrachloroethene           | 0.0250               | 0.0272             | 0.0287              | 109           | 115            | 73.5-130         |               |                | 5.24     | 20              |
| Toluene                     | 0.0250               | 0.0235             | 0.0239              | 94.0          | 95.6           | 77.9-116         |               |                | 1.73     | 20              |
| 1,1,1-Trichloroethane       | 0.0250               | 0.0216             | 0.0224              | 86.6          | 89.7           | 71.1-129         |               |                | 3.54     | 20              |
| 1,1,2-Trichloroethane       | 0.0250               | 0.0249             | 0.0254              | 99.7          | 102            | 81.6-120         |               |                | 1.83     | 20              |
| Trichloroethene             | 0.0250               | 0.0262             | 0.0266              | 105           | 106            | 79.5-121         |               |                | 1.26     | 20              |
| 1,2,4-Trimethylbenzene      | 0.0250               | 0.0240             | 0.0249              | 96.0          | 99.5           | 79.0-122         |               |                | 3.55     | 20              |
| 1,3,5-Trimethylbenzene      | 0.0250               | 0.0245             | 0.0250              | 98.0          | 100            | 81.0-123         |               |                | 2.04     | 20              |
| Vinyl chloride              | 0.0250               | 0.0223             | 0.0227              | 89.0          | 90.7           | 61.5-134         |               |                | 1.79     | 20              |
| Xylenes, Total              | 0.0750               | 0.0768             | 0.0785              | 102           | 105            | 79.2-122         |               |                | 2.16     | 20              |
| o-Xylene                    | 0.0250               | 0.0259             | 0.0260              | 104           | 104            | 79.1-123         |               |                | 0.230    | 20              |
| m&p-Xylenes                 | 0.0500               | 0.0509             | 0.0525              | 102           | 105            | 78.5-122         |               |                | 3.14     | 20              |
| (S) Toluene-d8              |                      |                    |                     | 99.6          | 99.7           | 90.0-115         |               |                |          |                 |
| (S) Dibromofluoromethane    |                      |                    |                     | 91.4          | 89.9           | 79.0-121         |               |                |          |                 |
| (S) 4-Bromofluorobenzene    |                      |                    |                     | 98.3          | 96.4           | 80.1-120         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L796473-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 13:26 • (MS) 10/28/15 14:47 • (MSD) 10/28/15 15:05

| Analyte                     | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Acetone                     | 0.125                | 0.000549                | 0.0430            | 0.0493             | 34.0         | 39.0          | 1        | 25.0-156         |              |               | 13.5     | 21.5            |
| Benzene                     | 0.0250               | ND                      | 0.0174            | 0.0196             | 69.7         | 78.4          | 1        | 58.6-133         |              |               | 11.8     | 20              |
| Bromodichloromethane        | 0.0250               | ND                      | 0.0204            | 0.0231             | 81.7         | 92.6          | 1        | 69.2-127         |              |               | 12.5     | 20              |
| Bromoform                   | 0.0250               | ND                      | 0.0276            | 0.0314             | 111          | 126           | 1        | 66.3-140         |              |               | 12.8     | 20              |
| Bromomethane                | 0.0250               | ND                      | 0.0129            | 0.0150             | 51.7         | 60.0          | 1        | 16.6-183         |              |               | 15.0     | 20.5            |
| n-Butylbenzene              | 0.0250               | ND                      | 0.0208            | 0.0245             | 83.0         | 97.9          | 1        | 64.8-145         |              |               | 16.5     | 20              |
| sec-Butylbenzene            | 0.0250               | ND                      | 0.0217            | 0.0254             | 86.8         | 101           | 1        | 66.8-139         |              |               | 15.6     | 20              |
| Carbon disulfide            | 0.0250               | ND                      | 0.00722           | 0.00843            | 28.9         | 33.7          | 1        | 34.9-138         | E            | E             | 15.5     | 20              |
| Carbon tetrachloride        | 0.0250               | ND                      | 0.0193            | 0.0219             | 77.3         | 87.4          | 1        | 60.6-139         |              |               | 12.3     | 20              |
| Chlorobenzene               | 0.0250               | ND                      | 0.0217            | 0.0250             | 86.7         | 100           | 1        | 70.1-130         |              |               | 14.4     | 20              |
| Chlorodibromomethane        | 0.0250               | ND                      | 0.0239            | 0.0265             | 95.4         | 106           | 1        | 71.6-132         |              |               | 10.3     | 20              |
| Chloroethane                | 0.0250               | ND                      | 0.0143            | 0.0157             | 57.0         | 62.6          | 1        | 33.3-155         |              |               | 9.32     | 20              |
| Chloroform                  | 0.0250               | ND                      | 0.0195            | 0.0217             | 78.0         | 86.9          | 1        | 66.1-133         |              |               | 10.8     | 20              |
| Chloromethane               | 0.0250               | ND                      | 0.0113            | 0.0131             | 45.2         | 52.4          | 1        | 40.7-139         |              |               | 14.8     | 20              |
| 1,2-Dibromoethane           | 0.0250               | ND                      | 0.0216            | 0.0249             | 86.4         | 99.7          | 1        | 73.8-131         |              |               | 14.3     | 20              |
| 1,1-Dichloroethane          | 0.0250               | ND                      | 0.0190            | 0.0211             | 76.0         | 84.3          | 1        | 64.0-134         |              |               | 10.3     | 20              |
| 1,2-Dichloroethane          | 0.0250               | ND                      | 0.0164            | 0.0184             | 65.6         | 73.8          | 1        | 60.7-132         |              |               | 11.7     | 20              |
| 1,1-Dichloroethene          | 0.0250               | ND                      | 0.0135            | 0.0156             | 53.9         | 62.4          | 1        | 48.8-144         |              |               | 14.6     | 20              |
| trans-1,2-Dichloroethene    | 0.0250               | ND                      | 0.0151            | 0.0170             | 60.6         | 68.1          | 1        | 61.0-132         | E            |               | 11.6     | 20              |
| cis-1,2-Dichloroethene      | 0.0250               | ND                      | 0.0189            | 0.0209             | 75.5         | 83.6          | 1        | 60.6-136         |              |               | 10.2     | 20              |
| 1,2-Dichloropropane         | 0.0250               | ND                      | 0.0216            | 0.0244             | 86.3         | 97.7          | 1        | 69.7-130         |              |               | 12.4     | 20              |
| cis-1,3-Dichloropropene     | 0.0250               | ND                      | 0.0214            | 0.0233             | 85.4         | 93.1          | 1        | 71.1-129         |              |               | 8.60     | 20              |
| trans-1,3-Dichloropropene   | 0.0250               | ND                      | 0.0213            | 0.0235             | 85.3         | 94.2          | 1        | 66.3-136         |              |               | 9.89     | 20              |
| Ethylbenzene                | 0.0250               | ND                      | 0.0209            | 0.0242             | 83.5         | 96.9          | 1        | 62.7-136         |              |               | 14.9     | 20              |
| 2-Hexanone                  | 0.125                | ND                      | 0.0980            | 0.115              | 78.4         | 92.0          | 1        | 59.4-154         |              |               | 16.0     | 20.1            |
| Isopropylbenzene            | 0.0250               | ND                      | 0.0217            | 0.0251             | 86.7         | 100           | 1        | 67.4-136         |              |               | 14.6     | 20              |
| p-Isopropyltoluene          | 0.0250               | ND                      | 0.0226            | 0.0258             | 90.2         | 103           | 1        | 62.8-143         |              |               | 13.6     | 20              |
| Methylene Chloride          | 0.0250               | ND                      | 0.0150            | 0.0164             | 60.1         | 65.8          | 1        | 61.5-125         | E            |               | 9.03     | 20              |
| 2-Butanone (MEK)            | 0.125                | ND                      | 0.0754            | 0.0879             | 60.3         | 70.3          | 1        | 45.0-156         |              |               | 15.3     | 20.8            |
| Methyl tert-butyl ether     | 0.0250               | ND                      | 0.0196            | 0.0217             | 78.6         | 86.9          | 1        | 61.4-136         |              |               | 10.0     | 20              |
| 4-Methyl-2-pentanone (MIBK) | 0.125                | ND                      | 0.101             | 0.116              | 80.4         | 93.1          | 1        | 60.7-150         |              |               | 14.7     | 20              |
| Naphthalene                 | 0.0250               | ND                      | 0.0213            | 0.0254             | 85.3         | 102           | 1        | 61.8-143         |              |               | 17.5     | 20              |
| n-Propylbenzene             | 0.0250               | ND                      | 0.0209            | 0.0240             | 83.6         | 96.1          | 1        | 63.2-139         |              |               | 14.0     | 20              |
| Styrene                     | 0.0250               | ND                      | 0.0212            | 0.0240             | 84.9         | 96.1          | 1        | 68.2-133         |              |               | 12.4     | 20              |
| 1,1,2,2-Tetrachloroethane   | 0.0250               | ND                      | 0.0232            | 0.0268             | 92.6         | 107           | 1        | 64.9-145         |              |               | 14.7     | 20              |
| 1,1,1,2-Tetrachloroethane   | 0.0250               | ND                      | 0.0241            | 0.0273             | 96.3         | 109           | 1        | 70.5-132         |              |               | 12.6     | 20              |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc



L796473-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 13:26 • (MS) 10/28/15 14:47 • (MSD) 10/28/15 15:05

| Analyte                  | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Tetrachloroethene        | 0.0250               | ND                      | 0.0204            | 0.0236             | 81.6         | 94.3          | 1        | 57.4-141         |              |               | 14.5     | 20              |
| Toluene                  | 0.0250               | ND                      | 0.0186            | 0.0211             | 74.2         | 84.5          | 1        | 67.8-124         |              |               | 13.0     | 20              |
| 1,1,1-Trichloroethane    | 0.0250               | ND                      | 0.0185            | 0.0208             | 73.8         | 83.3          | 1        | 58.7-134         |              |               | 12.0     | 20              |
| 1,1,2-Trichloroethane    | 0.0250               | ND                      | 0.0226            | 0.0255             | 90.5         | 102           | 1        | 74.1-130         |              |               | 12.2     | 20              |
| Trichloroethene          | 0.0250               | ND                      | 0.0198            | 0.0229             | 79.4         | 91.7          | 1        | 48.9-148         |              |               | 14.5     | 20              |
| 1,2,4-Trimethylbenzene   | 0.0250               | ND                      | 0.0212            | 0.0246             | 85.0         | 98.3          | 1        | 60.5-137         |              |               | 14.5     | 20              |
| 1,3,5-Trimethylbenzene   | 0.0250               | ND                      | 0.0216            | 0.0248             | 86.4         | 99.2          | 1        | 67.9-134         |              |               | 13.8     | 20              |
| Vinyl chloride           | 0.0250               | ND                      | 0.0119            | 0.0139             | 47.8         | 55.8          | 1        | 44.3-143         |              |               | 15.5     | 20              |
| Xylenes, Total           | 0.0750               | ND                      | 0.0629            | 0.0726             | 83.9         | 96.8          | 1        | 65.6-133         |              |               | 14.3     | 20              |
| o-Xylene                 | 0.0250               | ND                      | 0.0212            | 0.0245             | 84.8         | 98.0          | 1        | 67.1-133         |              |               | 14.4     | 20              |
| m&p-Xylenes              | 0.0500               | ND                      | 0.0417            | 0.0481             | 83.4         | 96.2          | 1        | 64.1-133         |              |               | 14.3     | 20              |
| (S) Toluene-d8           |                      |                         |                   |                    | 98.7         | 98.7          |          | 90.0-115         |              |               |          |                 |
| (S) Dibromofluoromethane |                      |                         |                   |                    | 89.7         | 90.3          |          | 79.0-121         |              |               |          |                 |
| (S) 4-Bromofluorobenzene |                      |                         |                   |                    | 94.4         | 94.3          |          | 80.1-120         |              |               |          |                 |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) 10/27/15 17:28

| Analyte                     | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Acetone                     | U                 |              | 0.0100         | 0.0500         |
| Bromodichloromethane        | U                 |              | 0.000380       | 0.00100        |
| Bromoform                   | U                 |              | 0.000469       | 0.00100        |
| Bromomethane                | U                 |              | 0.000866       | 0.00500        |
| n-Butylbenzene              | U                 |              | 0.000361       | 0.00100        |
| sec-Butylbenzene            | U                 |              | 0.000365       | 0.00100        |
| Carbon disulfide            | U                 |              | 0.000275       | 0.00100        |
| Carbon tetrachloride        | U                 |              | 0.000379       | 0.00100        |
| Chlorobenzene               | U                 |              | 0.000348       | 0.00100        |
| Chlorodibromomethane        | U                 |              | 0.000327       | 0.00100        |
| Chloroethane                | U                 |              | 0.000453       | 0.00500        |
| Chloroform                  | U                 |              | 0.000324       | 0.00500        |
| Chloromethane               | U                 |              | 0.000276       | 0.00250        |
| 1,2-Dibromoethane           | U                 |              | 0.000381       | 0.00100        |
| 1,1-Dichloroethane          | U                 |              | 0.000259       | 0.00100        |
| 1,2-Dichloroethane          | U                 |              | 0.000361       | 0.00100        |
| 1,1-Dichloroethene          | U                 |              | 0.000398       | 0.00100        |
| cis-1,2-Dichloroethene      | U                 |              | 0.000260       | 0.00100        |
| trans-1,2-Dichloroethene    | U                 |              | 0.000396       | 0.00100        |
| 1,2-Dichloropropane         | U                 |              | 0.000306       | 0.00100        |
| cis-1,3-Dichloropropene     | U                 |              | 0.000418       | 0.00100        |
| trans-1,3-Dichloropropene   | U                 |              | 0.000419       | 0.00100        |
| Ethylbenzene                | U                 |              | 0.000384       | 0.00100        |
| 2-Hexanone                  | U                 |              | 0.00382        | 0.0100         |
| Isopropylbenzene            | U                 |              | 0.000326       | 0.00100        |
| p-Isopropyltoluene          | U                 |              | 0.000350       | 0.00100        |
| 2-Butanone (MEK)            | U                 |              | 0.00393        | 0.0100         |
| Methylene Chloride          | U                 |              | 0.00100        | 0.00500        |
| 4-Methyl-2-pentanone (MIBK) | U                 |              | 0.00214        | 0.0100         |
| Methyl tert-butyl ether     | U                 |              | 0.000367       | 0.00100        |
| Naphthalene                 | U                 |              | 0.00100        | 0.00500        |
| n-Propylbenzene             | U                 |              | 0.000349       | 0.00100        |
| Styrene                     | U                 |              | 0.000307       | 0.00100        |
| 1,1,1,2-Tetrachloroethane   | U                 |              | 0.000385       | 0.00100        |
| 1,1,2,2-Tetrachloroethane   | U                 |              | 0.000130       | 0.00100        |
| Tetrachloroethene           | U                 |              | 0.000372       | 0.00100        |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) 10/27/15 17:28

| Analyte                  | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|--------------------------|-------------------|--------------|----------------|----------------|
| Toluene                  | U                 |              | 0.000780       | 0.00500        |
| 1,1,1-Trichloroethane    | U                 |              | 0.000319       | 0.00100        |
| 1,1,2-Trichloroethane    | U                 |              | 0.000383       | 0.00100        |
| Trichloroethene          | U                 |              | 0.000398       | 0.00100        |
| 1,2,4-Trimethylbenzene   | U                 |              | 0.000373       | 0.00100        |
| 1,3,5-Trimethylbenzene   | U                 |              | 0.000387       | 0.00100        |
| Vinyl chloride           | U                 |              | 0.000259       | 0.00100        |
| Xylenes, Total           | U                 |              | 0.00106        | 0.00300        |
| o-Xylene                 | U                 |              | 0.000341       | 0.00100        |
| m&p-Xylenes              | U                 |              | 0.000719       | 0.00100        |
| (S) Toluene-d8           | 102               |              |                | 90.0-115       |
| (S) Dibromofluoromethane | 97.1              |              |                | 79.0-121       |
| (S) 4-Bromofluorobenzene | 96.7              |              |                | 80.1-120       |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 15:55 • (LCSD) 10/27/15 16:18

| Analyte              | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone              | 0.125                | 0.123              | 0.110               | 98.0          | 87.7           | 28.7-175         |               |                | 11.1     | 20.9            |
| Bromodichloromethane | 0.0250               | 0.0242             | 0.0238              | 96.6          | 95.3           | 75.5-121         |               |                | 1.35     | 20              |
| Bromoform            | 0.0250               | 0.0262             | 0.0253              | 105           | 101            | 71.5-131         |               |                | 3.67     | 20              |
| Bromomethane         | 0.0250               | 0.0304             | 0.0284              | 122           | 114            | 22.4-187         |               |                | 6.96     | 20              |
| n-Butylbenzene       | 0.0250               | 0.0248             | 0.0243              | 99.1          | 97.1           | 75.9-134         |               |                | 1.98     | 20              |
| sec-Butylbenzene     | 0.0250               | 0.0245             | 0.0243              | 98.0          | 97.2           | 80.6-126         |               |                | 0.730    | 20              |
| Carbon disulfide     | 0.0250               | 0.0214             | 0.0208              | 85.4          | 83.3           | 53.0-134         |               |                | 2.55     | 20              |
| Carbon tetrachloride | 0.0250               | 0.0229             | 0.0226              | 91.6          | 90.3           | 70.9-129         |               |                | 1.53     | 20              |
| Chlorobenzene        | 0.0250               | 0.0246             | 0.0245              | 98.5          | 97.8           | 79.7-122         |               |                | 0.680    | 20              |
| Chlorodibromomethane | 0.0250               | 0.0259             | 0.0257              | 103           | 103            | 78.2-124         |               |                | 0.610    | 20              |
| Chloroethane         | 0.0250               | 0.0229             | 0.0224              | 91.8          | 89.5           | 41.2-153         |               |                | 2.53     | 20              |
| Chloroform           | 0.0250               | 0.0244             | 0.0242              | 97.8          | 96.6           | 73.2-125         |               |                | 1.19     | 20              |
| Chloromethane        | 0.0250               | 0.0217             | 0.0206              | 86.7          | 82.5           | 55.8-134         |               |                | 4.96     | 20              |
| 1,2-Dibromoethane    | 0.0250               | 0.0253             | 0.0245              | 101           | 98.1           | 79.8-122         |               |                | 3.28     | 20              |
| 1,1-Dichloroethane   | 0.0250               | 0.0241             | 0.0236              | 96.6          | 94.5           | 71.7-127         |               |                | 2.12     | 20              |
| 1,2-Dichloroethane   | 0.0250               | 0.0236             | 0.0233              | 94.4          | 93.2           | 65.3-126         |               |                | 1.28     | 20              |
| 1,1-Dichloroethene   | 0.0250               | 0.0229             | 0.0224              | 91.7          | 89.8           | 59.9-137         |               |                | 2.15     | 20              |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 15:55 • (LCSD) 10/27/15 16:18

| Analyte                     | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| cis-1,2-Dichloroethene      | 0.0250               | 0.0249             | 0.0247              | 99.7          | 98.7           | 77.3-122         |               |                | 1.04     | 20              |
| trans-1,2-Dichloroethene    | 0.0250               | 0.0241             | 0.0236              | 96.5          | 94.4           | 72.6-125         |               |                | 2.26     | 20              |
| 1,2-Dichloropropane         | 0.0250               | 0.0252             | 0.0244              | 101           | 97.6           | 77.4-125         |               |                | 3.10     | 20              |
| cis-1,3-Dichloropropene     | 0.0250               | 0.0262             | 0.0258              | 105           | 103            | 77.7-124         |               |                | 1.64     | 20              |
| trans-1,3-Dichloropropene   | 0.0250               | 0.0263             | 0.0254              | 105           | 102            | 73.5-127         |               |                | 3.28     | 20              |
| Ethylbenzene                | 0.0250               | 0.0245             | 0.0245              | 97.8          | 98.0           | 80.9-121         |               |                | 0.210    | 20              |
| 2-Hexanone                  | 0.125                | 0.143              | 0.131               | 114           | 105            | 59.4-151         |               |                | 8.85     | 20              |
| Isopropylbenzene            | 0.0250               | 0.0244             | 0.0239              | 97.5          | 95.7           | 81.6-124         |               |                | 1.84     | 20              |
| p-Isopropyltoluene          | 0.0250               | 0.0245             | 0.0240              | 98.1          | 96.1           | 77.6-129         |               |                | 2.14     | 20              |
| 2-Butanone (MEK)            | 0.125                | 0.140              | 0.126               | 112           | 101            | 46.4-155         |               |                | 10.3     | 20              |
| Methylene Chloride          | 0.0250               | 0.0227             | 0.0225              | 90.6          | 89.8           | 69.5-120         |               |                | 0.870    | 20              |
| 4-Methyl-2-pentanone (MIBK) | 0.125                | 0.135              | 0.125               | 108           | 99.7           | 63.3-138         |               |                | 7.71     | 20              |
| Methyl tert-butyl ether     | 0.0250               | 0.0257             | 0.0248              | 103           | 99.3           | 70.1-125         |               |                | 3.45     | 20              |
| Naphthalene                 | 0.0250               | 0.0261             | 0.0255              | 105           | 102            | 69.7-134         |               |                | 2.59     | 20              |
| n-Propylbenzene             | 0.0250               | 0.0240             | 0.0237              | 96.1          | 94.9           | 81.9-122         |               |                | 1.27     | 20              |
| Styrene                     | 0.0250               | 0.0260             | 0.0257              | 104           | 103            | 79.9-124         |               |                | 1.19     | 20              |
| 1,1,1,2-Tetrachloroethane   | 0.0250               | 0.0252             | 0.0245              | 101           | 98.0           | 78.5-125         |               |                | 2.69     | 20              |
| 1,1,2,2-Tetrachloroethane   | 0.0250               | 0.0251             | 0.0236              | 100           | 94.3           | 79.3-123         |               |                | 6.09     | 20              |
| Tetrachloroethene           | 0.0250               | 0.0246             | 0.0243              | 98.4          | 97.2           | 73.5-130         |               |                | 1.25     | 20              |
| Toluene                     | 0.0250               | 0.0236             | 0.0233              | 94.4          | 93.2           | 77.9-116         |               |                | 1.27     | 20              |
| 1,1,1-Trichloroethane       | 0.0250               | 0.0240             | 0.0233              | 95.9          | 93.1           | 71.1-129         |               |                | 2.93     | 20              |
| 1,1,2-Trichloroethane       | 0.0250               | 0.0247             | 0.0241              | 98.9          | 96.2           | 81.6-120         |               |                | 2.74     | 20              |
| Trichloroethene             | 0.0250               | 0.0240             | 0.0239              | 96.1          | 95.6           | 79.5-121         |               |                | 0.510    | 20              |
| 1,2,4-Trimethylbenzene      | 0.0250               | 0.0244             | 0.0243              | 97.7          | 97.0           | 79.0-122         |               |                | 0.630    | 20              |
| 1,3,5-Trimethylbenzene      | 0.0250               | 0.0241             | 0.0237              | 96.4          | 94.6           | 81.0-123         |               |                | 1.80     | 20              |
| Vinyl chloride              | 0.0250               | 0.0229             | 0.0226              | 91.7          | 90.4           | 61.5-134         |               |                | 1.40     | 20              |
| Xylenes, Total              | 0.0750               | 0.0742             | 0.0722              | 99.0          | 96.2           | 79.2-122         |               |                | 2.81     | 20              |
| o-Xylene                    | 0.0250               | 0.0251             | 0.0244              | 100           | 97.6           | 79.1-123         |               |                | 2.89     | 20              |
| m&p-Xylenes                 | 0.0500               | 0.0491             | 0.0478              | 98.2          | 95.5           | 78.5-122         |               |                | 2.77     | 20              |
| (S) Toluene-d8              |                      |                    |                     | 102           | 103            | 90.0-115         |               |                |          |                 |
| (S) Dibromofluoromethane    |                      |                    |                     | 97.8          | 101            | 79.0-121         |               |                |          |                 |
| (S) 4-Bromofluorobenzene    |                      |                    |                     | 99.4          | 99.2           | 80.1-120         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L796682-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/27/15 18:39 • (MS) 10/27/15 19:02 • (MSD) 10/27/15 19:26

| Analyte                     | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Acetone                     | 0.125                | 0.0612                  | 8.48              | 7.56               | 67.3         | 60.0          | 100      | 25.0-156         |              |               | 11.5     | 21.5            |
| Bromodichloromethane        | 0.0250               | ND                      | 2.30              | 2.39               | 92.1         | 95.4          | 100      | 69.2-127         |              |               | 3.56     | 20              |
| Bromoform                   | 0.0250               | ND                      | 2.47              | 2.64               | 98.8         | 106           | 100      | 66.3-140         |              |               | 6.59     | 20              |
| Bromomethane                | 0.0250               | ND                      | 2.91              | 2.77               | 116          | 111           | 100      | 16.6-183         |              |               | 4.81     | 20.5            |
| n-Butylbenzene              | 0.0250               | ND                      | 2.43              | 2.52               | 97.0         | 101           | 100      | 64.8-145         |              |               | 3.62     | 20              |
| sec-Butylbenzene            | 0.0250               | ND                      | 2.37              | 2.43               | 95.0         | 97.4          | 100      | 66.8-139         |              |               | 2.51     | 20              |
| Carbon disulfide            | 0.0250               | 0.00539                 | 2.00              | 1.97               | 80.0         | 78.8          | 100      | 34.9-138         |              |               | 1.49     | 20              |
| Carbon tetrachloride        | 0.0250               | ND                      | 2.20              | 2.25               | 88.2         | 90.1          | 100      | 60.6-139         |              |               | 2.15     | 20              |
| Chlorobenzene               | 0.0250               | ND                      | 2.39              | 2.42               | 95.7         | 96.8          | 100      | 70.1-130         |              |               | 1.19     | 20              |
| Chlorodibromomethane        | 0.0250               | ND                      | 2.48              | 2.64               | 99.4         | 106           | 100      | 71.6-132         |              |               | 6.06     | 20              |
| Chloroethane                | 0.0250               | ND                      | 2.24              | 2.24               | 89.5         | 89.4          | 100      | 33.3-155         |              |               | 0.0300   | 20              |
| Chloroform                  | 0.0250               | ND                      | 2.30              | 2.34               | 92.0         | 93.7          | 100      | 66.1-133         |              |               | 1.88     | 20              |
| Chloromethane               | 0.0250               | ND                      | 2.04              | 1.96               | 81.5         | 78.4          | 100      | 40.7-139         |              |               | 3.80     | 20              |
| 1,2-Dibromoethane           | 0.0250               | ND                      | 2.42              | 2.55               | 96.7         | 102           | 100      | 73.8-131         |              |               | 5.39     | 20              |
| 1,1-Dichloroethane          | 0.0250               | ND                      | 2.31              | 2.31               | 92.4         | 92.5          | 100      | 64.0-134         |              |               | 0.120    | 20              |
| 1,2-Dichloroethane          | 0.0250               | ND                      | 2.28              | 2.29               | 91.1         | 91.5          | 100      | 60.7-132         |              |               | 0.530    | 20              |
| 1,1-Dichloroethene          | 0.0250               | ND                      | 2.18              | 2.14               | 87.1         | 85.8          | 100      | 48.8-144         |              |               | 1.53     | 20              |
| cis-1,2-Dichloroethene      | 0.0250               | ND                      | 2.38              | 2.41               | 95.3         | 96.6          | 100      | 60.6-136         |              |               | 1.32     | 20              |
| trans-1,2-Dichloroethene    | 0.0250               | ND                      | 2.34              | 2.31               | 93.4         | 92.4          | 100      | 61.0-132         |              |               | 1.15     | 20              |
| 1,2-Dichloropropane         | 0.0250               | ND                      | 2.44              | 2.43               | 97.6         | 97.2          | 100      | 69.7-130         |              |               | 0.450    | 20              |
| cis-1,3-Dichloropropene     | 0.0250               | ND                      | 2.52              | 2.58               | 101          | 103           | 100      | 71.1-129         |              |               | 2.37     | 20              |
| trans-1,3-Dichloropropene   | 0.0250               | ND                      | 2.45              | 2.55               | 98.0         | 102           | 100      | 66.3-136         |              |               | 3.97     | 20              |
| Ethylbenzene                | 0.0250               | ND                      | 2.38              | 2.43               | 95.2         | 97.3          | 100      | 62.7-136         |              |               | 2.18     | 20              |
| 2-Hexanone                  | 0.125                | ND                      | 11.5              | 11.9               | 92.0         | 94.9          | 100      | 59.4-154         |              |               | 3.14     | 20.1            |
| Isopropylbenzene            | 0.0250               | ND                      | 2.37              | 2.42               | 94.8         | 97.0          | 100      | 67.4-136         |              |               | 2.31     | 20              |
| p-Isopropyltoluene          | 0.0250               | ND                      | 2.37              | 2.44               | 95.0         | 97.5          | 100      | 62.8-143         |              |               | 2.59     | 20              |
| 2-Butanone (MEK)            | 0.125                | 0.0751                  | 10.8              | 10.4               | 85.7         | 83.0          | 100      | 45.0-156         |              |               | 3.22     | 20.8            |
| Methylene Chloride          | 0.0250               | 0.00767                 | 2.16              | 2.16               | 86.3         | 85.9          | 100      | 61.5-125         |              |               | 0.400    | 20              |
| 4-Methyl-2-pentanone (MIBK) | 0.125                | ND                      | 12.2              | 13.1               | 97.5         | 104           | 100      | 60.7-150         |              |               | 6.94     | 20              |
| Methyl tert-butyl ether     | 0.0250               | ND                      | 2.42              | 2.48               | 96.8         | 99.0          | 100      | 61.4-136         |              |               | 2.26     | 20              |
| Naphthalene                 | 0.0250               | 0.00940                 | 2.33              | 2.60               | 92.8         | 104           | 100      | 61.8-143         |              |               | 11.1     | 20              |
| n-Propylbenzene             | 0.0250               | ND                      | 2.32              | 2.39               | 92.8         | 95.4          | 100      | 63.2-139         |              |               | 2.82     | 20              |
| Styrene                     | 0.0250               | ND                      | 2.52              | 2.57               | 101          | 103           | 100      | 68.2-133         |              |               | 2.24     | 20              |
| 1,1,1,2-Tetrachloroethane   | 0.0250               | ND                      | 2.40              | 2.50               | 96.1         | 100           | 100      | 70.5-132         |              |               | 4.09     | 20              |
| 1,1,2,2-Tetrachloroethane   | 0.0250               | ND                      | 2.47              | 2.61               | 98.9         | 104           | 100      | 64.9-145         |              |               | 5.37     | 20              |
| Tetrachloroethene           | 0.0250               | ND                      | 2.38              | 2.41               | 95.4         | 96.2          | 100      | 57.4-141         |              |               | 0.860    | 20              |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc





L796682-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/27/15 18:39 • (MS) 10/27/15 19:02 • (MSD) 10/27/15 19:26

| Analyte                  | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Toluene                  | 0.0250               | 0.00314                 | 2.28              | 2.30               | 91.3         | 91.8          | 100      | 67.8-124         |              |               | 0.610    | 20              |
| 1,1,1-Trichloroethane    | 0.0250               | ND                      | 2.31              | 2.31               | 92.5         | 92.6          | 100      | 58.7-134         |              |               | 0.0700   | 20              |
| 1,1,2-Trichloroethane    | 0.0250               | ND                      | 2.38              | 2.42               | 95.1         | 96.6          | 100      | 74.1-130         |              |               | 1.52     | 20              |
| Trichloroethene          | 0.0250               | ND                      | 2.29              | 2.31               | 91.5         | 92.3          | 100      | 48.9-148         |              |               | 0.830    | 20              |
| 1,2,4-Trimethylbenzene   | 0.0250               | ND                      | 2.39              | 2.46               | 95.7         | 98.3          | 100      | 60.5-137         |              |               | 2.69     | 20              |
| 1,3,5-Trimethylbenzene   | 0.0250               | ND                      | 2.37              | 2.42               | 94.9         | 96.7          | 100      | 67.9-134         |              |               | 1.87     | 20              |
| Vinyl chloride           | 0.0250               | ND                      | 2.18              | 2.16               | 87.2         | 86.3          | 100      | 44.3-143         |              |               | 1.08     | 20              |
| Xylenes, Total           | 0.0750               | ND                      | 7.22              | 7.35               | 96.3         | 98.0          | 100      | 65.6-133         |              |               | 1.76     | 20              |
| o-Xylene                 | 0.0250               | ND                      | 2.43              | 2.48               | 97.3         | 99.1          | 100      | 67.1-133         |              |               | 1.84     | 20              |
| m&p-Xylenes              | 0.0500               | ND                      | 4.79              | 4.87               | 95.8         | 97.4          | 100      | 64.1-133         |              |               | 1.72     | 20              |
| (S) Toluene-d8           |                      |                         |                   |                    | 103          | 103           |          | 90.0-115         |              |               |          |                 |
| (S) Dibromofluoromethane |                      |                         |                   |                    | 102          | 100           |          | 79.0-121         |              |               |          |                 |
| (S) 4-Bromofluorobenzene |                      |                         |                   |                    | 101          | 102           |          | 80.1-120         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 10/28/15 16:17

| Analyte                     | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Acetone                     | U                 |              | 0.0100         | 0.0500         |
| Benzene                     | U                 |              | 0.000331       | 0.00100        |
| Bromodichloromethane        | U                 |              | 0.000380       | 0.00100        |
| Bromoform                   | U                 |              | 0.000469       | 0.00100        |
| Bromomethane                | U                 |              | 0.000866       | 0.00500        |
| n-Butylbenzene              | U                 |              | 0.000361       | 0.00100        |
| sec-Butylbenzene            | U                 |              | 0.000365       | 0.00100        |
| Carbon disulfide            | U                 |              | 0.000275       | 0.00100        |
| Carbon tetrachloride        | U                 |              | 0.000379       | 0.00100        |
| Chlorobenzene               | U                 |              | 0.000348       | 0.00100        |
| Chlorodibromomethane        | U                 |              | 0.000327       | 0.00100        |
| Chloroethane                | U                 |              | 0.000453       | 0.00500        |
| Chloroform                  | U                 |              | 0.000324       | 0.00500        |
| Chloromethane               | U                 |              | 0.000276       | 0.00250        |
| 1,2-Dibromoethane           | U                 |              | 0.000381       | 0.00100        |
| 1,1-Dichloroethane          | U                 |              | 0.000259       | 0.00100        |
| 1,2-Dichloroethane          | U                 |              | 0.000361       | 0.00100        |
| 1,1-Dichloroethene          | U                 |              | 0.000398       | 0.00100        |
| cis-1,2-Dichloroethene      | U                 |              | 0.000260       | 0.00100        |
| trans-1,2-Dichloroethene    | U                 |              | 0.000396       | 0.00100        |
| 1,2-Dichloropropane         | U                 |              | 0.000306       | 0.00100        |
| cis-1,3-Dichloropropene     | U                 |              | 0.000418       | 0.00100        |
| trans-1,3-Dichloropropene   | U                 |              | 0.000419       | 0.00100        |
| Ethylbenzene                | U                 |              | 0.000384       | 0.00100        |
| 2-Hexanone                  | U                 |              | 0.00382        | 0.0100         |
| Isopropylbenzene            | U                 |              | 0.000326       | 0.00100        |
| p-Isopropyltoluene          | U                 |              | 0.000350       | 0.00100        |
| 2-Butanone (MEK)            | U                 |              | 0.00393        | 0.0100         |
| Methylene Chloride          | U                 |              | 0.00100        | 0.00500        |
| 4-Methyl-2-pentanone (MIBK) | U                 |              | 0.00214        | 0.0100         |
| Methyl tert-butyl ether     | U                 |              | 0.000367       | 0.00100        |
| Naphthalene                 | U                 |              | 0.00100        | 0.00500        |
| n-Propylbenzene             | U                 |              | 0.000349       | 0.00100        |
| Styrene                     | U                 |              | 0.000307       | 0.00100        |
| 1,1,1,2-Tetrachloroethane   | U                 |              | 0.000385       | 0.00100        |
| 1,1,2,2-Tetrachloroethane   | U                 |              | 0.000130       | 0.00100        |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) 10/28/15 16:17

| Analyte                  | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|--------------------------|-------------------|--------------|----------------|----------------|
| Tetrachloroethene        | U                 |              | 0.000372       | 0.00100        |
| Toluene                  | U                 |              | 0.000780       | 0.00500        |
| 1,1,1-Trichloroethane    | U                 |              | 0.000319       | 0.00100        |
| 1,1,2-Trichloroethane    | U                 |              | 0.000383       | 0.00100        |
| Trichloroethene          | U                 |              | 0.000398       | 0.00100        |
| 1,2,4-Trimethylbenzene   | U                 |              | 0.000373       | 0.00100        |
| 1,3,5-Trimethylbenzene   | U                 |              | 0.000387       | 0.00100        |
| Vinyl chloride           | U                 |              | 0.000259       | 0.00100        |
| Xylenes, Total           | U                 |              | 0.00106        | 0.00300        |
| o-Xylene                 | U                 |              | 0.000341       | 0.00100        |
| m&p-Xylenes              | U                 |              | 0.000719       | 0.00100        |
| (S) Toluene-d8           | 108               |              |                | 90.0-115       |
| (S) Dibromofluoromethane | 102               |              |                | 79.0-121       |
| (S) 4-Bromofluorobenzene | 98.6              |              |                | 80.1-120       |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 14:53 • (LCSD) 10/28/15 16:39

| Analyte              | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone              | 0.125                | 0.0901             | 0.148               | 72.0          | 118            | 28.7-175         |               | *              | 48.5     | 20.9            |
| Benzene              | 0.0250               | 0.0307             | 0.0290              | 123           | 116            | 73.0-122         | *             |                | 5.65     | 20              |
| Bromodichloromethane | 0.0250               | 0.0235             | 0.0225              | 94.2          | 90.0           | 75.5-121         |               |                | 4.59     | 20              |
| Bromoform            | 0.0250               | 0.0204             | 0.0195              | 81.4          | 78.1           | 71.5-131         |               |                | 4.14     | 20              |
| Bromomethane         | 0.0250               | 0.0328             | 0.0322              | 131           | 129            | 22.4-187         |               |                | 1.79     | 20              |
| n-Butylbenzene       | 0.0250               | 0.0245             | 0.0251              | 98.0          | 100            | 75.9-134         |               |                | 2.31     | 20              |
| sec-Butylbenzene     | 0.0250               | 0.0236             | 0.0241              | 94.3          | 96.4           | 80.6-126         |               |                | 2.19     | 20              |
| Carbon disulfide     | 0.0250               | 0.0272             | 0.0236              | 109           | 94.6           | 53.0-134         |               |                | 14.0     | 20              |
| Carbon tetrachloride | 0.0250               | 0.0227             | 0.0216              | 90.7          | 86.4           | 70.9-129         |               |                | 4.81     | 20              |
| Chlorobenzene        | 0.0250               | 0.0246             | 0.0243              | 98.6          | 97.3           | 79.7-122         |               |                | 1.27     | 20              |
| Chlorodibromomethane | 0.0250               | 0.0218             | 0.0212              | 87.1          | 84.8           | 78.2-124         |               |                | 2.63     | 20              |
| Chloroethane         | 0.0250               | 0.0280             | 0.0277              | 112           | 111            | 41.2-153         |               |                | 0.960    | 20              |
| Chloroform           | 0.0250               | 0.0261             | 0.0248              | 104           | 99.2           | 73.2-125         |               |                | 5.01     | 20              |
| Chloromethane        | 0.0250               | 0.0278             | 0.0273              | 111           | 109            | 55.8-134         |               |                | 1.72     | 20              |
| 1,2-Dibromoethane    | 0.0250               | 0.0249             | 0.0241              | 99.6          | 96.3           | 79.8-122         |               |                | 3.28     | 20              |
| 1,1-Dichloroethane   | 0.0250               | 0.0277             | 0.0263              | 111           | 105            | 71.7-127         |               |                | 5.01     | 20              |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 14:53 • (LCSD) 10/28/15 16:39

| Analyte                     | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| 1,2-Dichloroethane          | 0.0250               | 0.0283             | 0.0258              | 113           | 103            | 65.3-126         |               |                | 9.13     | 20              |
| 1,1-Dichloroethene          | 0.0250               | 0.0261             | 0.0239              | 104           | 95.7           | 59.9-137         |               |                | 8.72     | 20              |
| cis-1,2-Dichloroethene      | 0.0250               | 0.0256             | 0.0245              | 102           | 97.9           | 77.3-122         |               |                | 4.42     | 20              |
| trans-1,2-Dichloroethene    | 0.0250               | 0.0258             | 0.0245              | 103           | 97.9           | 72.6-125         |               |                | 5.41     | 20              |
| 1,2-Dichloropropane         | 0.0250               | 0.0285             | 0.0272              | 114           | 109            | 77.4-125         |               |                | 4.73     | 20              |
| cis-1,3-Dichloropropene     | 0.0250               | 0.0281             | 0.0266              | 113           | 107            | 77.7-124         |               |                | 5.53     | 20              |
| trans-1,3-Dichloropropene   | 0.0250               | 0.0292             | 0.0279              | 117           | 112            | 73.5-127         |               |                | 4.59     | 20              |
| Ethylbenzene                | 0.0250               | 0.0236             | 0.0235              | 94.2          | 94.1           | 80.9-121         |               |                | 0.180    | 20              |
| 2-Hexanone                  | 0.125                | 0.126              | 0.146               | 101           | 117            | 59.4-151         |               |                | 15.0     | 20              |
| Isopropylbenzene            | 0.0250               | 0.0228             | 0.0229              | 91.4          | 91.6           | 81.6-124         |               |                | 0.310    | 20              |
| p-Isopropyltoluene          | 0.0250               | 0.0228             | 0.0234              | 91.1          | 93.4           | 77.6-129         |               |                | 2.52     | 20              |
| 2-Butanone (MEK)            | 0.125                | 0.128              | 0.156               | 103           | 125            | 46.4-155         |               |                | 19.2     | 20              |
| Methylene Chloride          | 0.0250               | 0.0266             | 0.0252              | 106           | 101            | 69.5-120         |               |                | 5.41     | 20              |
| 4-Methyl-2-pentanone (MIBK) | 0.125                | 0.141              | 0.132               | 113           | 105            | 63.3-138         |               |                | 6.95     | 20              |
| Methyl tert-butyl ether     | 0.0250               | 0.0259             | 0.0253              | 104           | 101            | 70.1-125         |               |                | 2.33     | 20              |
| Naphthalene                 | 0.0250               | 0.0217             | 0.0194              | 86.8          | 77.5           | 69.7-134         |               |                | 11.4     | 20              |
| n-Propylbenzene             | 0.0250               | 0.0242             | 0.0246              | 96.8          | 98.4           | 81.9-122         |               |                | 1.67     | 20              |
| Styrene                     | 0.0250               | 0.0263             | 0.0268              | 105           | 107            | 79.9-124         |               |                | 1.71     | 20              |
| 1,1,1,2-Tetrachloroethane   | 0.0250               | 0.0193             | 0.0189              | 77.1          | 75.7           | 78.5-125         | *             | *              | 1.82     | 20              |
| 1,1,2,2-Tetrachloroethane   | 0.0250               | 0.0228             | 0.0221              | 91.4          | 88.6           | 79.3-123         | -             | -              | 3.12     | 20              |
| Tetrachloroethene           | 0.0250               | 0.0214             | 0.0216              | 85.8          | 86.4           | 73.5-130         |               |                | 0.760    | 20              |
| Toluene                     | 0.0250               | 0.0266             | 0.0261              | 106           | 104            | 77.9-116         |               |                | 1.96     | 20              |
| 1,1,1-Trichloroethane       | 0.0250               | 0.0246             | 0.0244              | 98.4          | 97.4           | 71.1-129         |               |                | 0.970    | 20              |
| 1,1,2-Trichloroethane       | 0.0250               | 0.0239             | 0.0231              | 95.5          | 92.4           | 81.6-120         |               |                | 3.28     | 20              |
| Trichloroethene             | 0.0250               | 0.0247             | 0.0233              | 98.7          | 93.3           | 79.5-121         |               |                | 5.63     | 20              |
| 1,2,4-Trimethylbenzene      | 0.0250               | 0.0228             | 0.0231              | 91.2          | 92.3           | 79.0-122         |               |                | 1.20     | 20              |
| 1,3,5-Trimethylbenzene      | 0.0250               | 0.0232             | 0.0236              | 92.8          | 94.2           | 81.0-123         |               |                | 1.45     | 20              |
| Vinyl chloride              | 0.0250               | 0.0259             | 0.0259              | 104           | 104            | 61.5-134         |               |                | 0.0100   | 20              |
| Xylenes, Total              | 0.0750               | 0.0712             | 0.0712              | 94.9          | 94.9           | 79.2-122         |               |                | 0.0500   | 20              |
| o-Xylene                    | 0.0250               | 0.0234             | 0.0233              | 93.6          | 93.2           | 79.1-123         |               |                | 0.400    | 20              |
| m&p-Xylenes                 | 0.0500               | 0.0478             | 0.0479              | 95.5          | 95.8           | 78.5-122         |               |                | 0.270    | 20              |
| (S) Toluene-d8              |                      |                    |                     | 112           | 112            | 90.0-115         |               |                |          |                 |
| (S) Dibromofluoromethane    |                      |                    |                     | 106           | 104            | 79.0-121         |               |                |          |                 |
| (S) 4-Bromofluorobenzene    |                      |                    |                     | 105           | 108            | 80.1-120         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L796118-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 21:16 • (MS) 10/28/15 18:38 • (MSD) 10/28/15 19:00

| Analyte                     | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Acetone                     | 0.125                | ND                      | 0.0601            | 0.0575             | 48.1         | 46.0          | 1        | 25.0-156         |              |               | 4.41     | 21.5            |
| Benzene                     | 0.0250               | 0.000477                | 0.0194            | 0.0197             | 75.6         | 76.8          | 1        | 58.6-133         |              |               | 1.57     | 20              |
| Bromodichloromethane        | 0.0250               | ND                      | 0.0184            | 0.0182             | 73.5         | 72.8          | 1        | 69.2-127         |              |               | 0.860    | 20              |
| Bromoform                   | 0.0250               | ND                      | 0.0183            | 0.0168             | 73.2         | 67.4          | 1        | 66.3-140         |              |               | 8.27     | 20              |
| Bromomethane                | 0.0250               | ND                      | 0.0146            | 0.0148             | 58.6         | 59.0          | 1        | 16.6-183         |              |               | 0.800    | 20.5            |
| n-Butylbenzene              | 0.0250               | ND                      | 0.0194            | 0.0198             | 77.4         | 79.4          | 1        | 64.8-145         |              |               | 2.45     | 20              |
| sec-Butylbenzene            | 0.0250               | ND                      | 0.0184            | 0.0190             | 73.6         | 75.8          | 1        | 66.8-139         |              |               | 3.03     | 20              |
| Carbon disulfide            | 0.0250               | ND                      | 0.00624           | 0.00656            | 25.0         | 26.2          | 1        | 34.9-138         | E            | E             | 5.03     | 20              |
| Carbon tetrachloride        | 0.0250               | ND                      | 0.0142            | 0.0150             | 56.7         | 59.9          | 1        | 60.6-139         | E            | E             | 5.53     | 20              |
| Chlorobenzene               | 0.0250               | ND                      | 0.0183            | 0.0181             | 73.1         | 72.4          | 1        | 70.1-130         |              |               | 0.920    | 20              |
| Chlorodibromomethane        | 0.0250               | ND                      | 0.0183            | 0.0173             | 73.0         | 69.3          | 1        | 71.6-132         |              | E             | 5.25     | 20              |
| Chloroethane                | 0.0250               | ND                      | 0.0141            | 0.0151             | 56.3         | 60.3          | 1        | 33.3-155         |              |               | 6.87     | 20              |
| Chloroform                  | 0.0250               | ND                      | 0.0189            | 0.0191             | 75.4         | 76.4          | 1        | 66.1-133         |              |               | 1.21     | 20              |
| Chloromethane               | 0.0250               | ND                      | 0.0106            | 0.0114             | 42.4         | 45.8          | 1        | 40.7-139         |              |               | 7.77     | 20              |
| 1,2-Dibromoethane           | 0.0250               | ND                      | 0.0196            | 0.0186             | 78.5         | 74.3          | 1        | 73.8-131         |              |               | 5.49     | 20              |
| 1,1-Dichloroethane          | 0.0250               | ND                      | 0.0186            | 0.0193             | 74.2         | 77.1          | 1        | 64.0-134         |              |               | 3.87     | 20              |
| 1,2-Dichloroethane          | 0.0250               | 0.000455                | 0.0207            | 0.0206             | 81.0         | 80.7          | 1        | 60.7-132         |              |               | 0.380    | 20              |
| 1,1-Dichloroethene          | 0.0250               | ND                      | 0.0133            | 0.0143             | 53.3         | 57.0          | 1        | 48.8-144         |              |               | 6.80     | 20              |
| cis-1,2-Dichloroethene      | 0.0250               | ND                      | 0.0168            | 0.0176             | 67.3         | 70.4          | 1        | 60.6-136         |              |               | 4.57     | 20              |
| trans-1,2-Dichloroethene    | 0.0250               | ND                      | 0.0129            | 0.0137             | 51.8         | 54.6          | 1        | 61.0-132         | E            | E             | 5.41     | 20              |
| 1,2-Dichloropropane         | 0.0250               | ND                      | 0.0205            | 0.0208             | 81.9         | 83.1          | 1        | 69.7-130         |              |               | 1.44     | 20              |
| cis-1,3-Dichloropropene     | 0.0250               | ND                      | 0.0205            | 0.0201             | 82.0         | 80.6          | 1        | 71.1-129         |              |               | 1.75     | 20              |
| trans-1,3-Dichloropropene   | 0.0250               | ND                      | 0.0230            | 0.0218             | 91.9         | 87.3          | 1        | 66.3-136         |              |               | 5.20     | 20              |
| Ethylbenzene                | 0.0250               | ND                      | 0.0173            | 0.0171             | 69.2         | 68.5          | 1        | 62.7-136         |              |               | 1.04     | 20              |
| 2-Hexanone                  | 0.125                | ND                      | 0.104             | 0.0999             | 83.5         | 79.9          | 1        | 59.4-154         |              |               | 4.40     | 20.1            |
| Isopropylbenzene            | 0.0250               | ND                      | 0.0172            | 0.0173             | 68.7         | 69.2          | 1        | 67.4-136         |              |               | 0.740    | 20              |
| p-Isopropyltoluene          | 0.0250               | ND                      | 0.0180            | 0.0182             | 71.9         | 72.9          | 1        | 62.8-143         |              |               | 1.29     | 20              |
| 2-Butanone (MEK)            | 0.125                | ND                      | 0.105             | 0.0950             | 84.1         | 76.0          | 1        | 45.0-156         |              |               | 10.1     | 20.8            |
| Methylene Chloride          | 0.0250               | ND                      | 0.0155            | 0.0173             | 62.2         | 69.2          | 1        | 61.5-125         |              |               | 10.7     | 20              |
| 4-Methyl-2-pentanone (MIBK) | 0.125                | ND                      | 0.120             | 0.118              | 95.6         | 94.2          | 1        | 60.7-150         |              |               | 1.55     | 20              |
| Methyl tert-butyl ether     | 0.0250               | 0.0158                  | 0.0329            | 0.0378             | 68.2         | 87.8          | 1        | 61.4-136         |              |               | 13.9     | 20              |
| Naphthalene                 | 0.0250               | ND                      | 0.0183            | 0.0182             | 73.2         | 72.9          | 1        | 61.8-143         |              |               | 0.330    | 20              |
| n-Propylbenzene             | 0.0250               | ND                      | 0.0182            | 0.0184             | 72.9         | 73.6          | 1        | 63.2-139         |              |               | 0.950    | 20              |
| Styrene                     | 0.0250               | ND                      | 0.0205            | 0.0199             | 82.2         | 79.6          | 1        | 68.2-133         |              |               | 3.14     | 20              |
| 1,1,1,2-Tetrachloroethane   | 0.0250               | ND                      | 0.0158            | 0.0155             | 63.1         | 61.9          | 1        | 70.5-132         | E            | E             | 1.88     | 20              |
| 1,1,2,2-Tetrachloroethane   | 0.0250               | ND                      | 0.0210            | 0.0204             | 84.0         | 81.4          | 1        | 64.9-145         |              |               | 3.13     | 20              |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc



L796118-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 10/28/15 21:16 • (MS) 10/28/15 18:38 • (MSD) 10/28/15 19:00

| Analyte                  | Spike Amount<br>mg/l | Original Result<br>mg/l | MS Result<br>mg/l | MSD Result<br>mg/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Tetrachloroethene        | 0.0250               | ND                      | 0.0137            | 0.0137             | 54.7         | 54.9          | 1        | 57.4-141         | E            | E             | 0.310    | 20              |
| Toluene                  | 0.0250               | ND                      | 0.0174            | 0.0179             | 69.8         | 71.6          | 1        | 67.8-124         |              |               | 2.65     | 20              |
| 1,1,1-Trichloroethane    | 0.0250               | ND                      | 0.0163            | 0.0177             | 65.3         | 70.8          | 1        | 58.7-134         |              |               | 8.14     | 20              |
| 1,1,2-Trichloroethane    | 0.0250               | ND                      | 0.0203            | 0.0198             | 81.3         | 79.1          | 1        | 74.1-130         |              |               | 2.72     | 20              |
| Trichloroethene          | 0.0250               | ND                      | 0.0152            | 0.0157             | 60.8         | 62.6          | 1        | 48.9-148         |              |               | 3.02     | 20              |
| 1,2,4-Trimethylbenzene   | 0.0250               | ND                      | 0.0175            | 0.0179             | 70.2         | 71.5          | 1        | 60.5-137         |              |               | 1.87     | 20              |
| 1,3,5-Trimethylbenzene   | 0.0250               | ND                      | 0.0177            | 0.0179             | 70.7         | 71.6          | 1        | 67.9-134         |              |               | 1.23     | 20              |
| Vinyl chloride           | 0.0250               | ND                      | 0.0111            | 0.0124             | 44.5         | 49.6          | 1        | 44.3-143         |              |               | 10.7     | 20              |
| Xylenes, Total           | 0.0750               | ND                      | 0.0517            | 0.0519             | 68.9         | 69.2          | 1        | 65.6-133         |              |               | 0.480    | 20              |
| o-Xylene                 | 0.0250               | ND                      | 0.0172            | 0.0174             | 68.7         | 69.6          | 1        | 67.1-133         |              |               | 1.32     | 20              |
| m&p-Xylenes              | 0.0500               | 0.000704                | 0.0345            | 0.0345             | 67.6         | 67.6          | 1        | 64.1-133         |              |               | 0.0600   | 20              |
| (S) Toluene-d8           |                      |                         |                   |                    | 107          | 111           |          | 90.0-115         |              |               |          |                 |
| (S) Dibromofluoromethane |                      |                         |                   |                    | 103          | 105           |          | 79.0-121         |              |               |          |                 |
| (S) 4-Bromofluorobenzene |                      |                         |                   |                    | 106          | 106           |          | 80.1-120         |              |               |          |                 |

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc



Method Blank (MB)

(MB) 10/26/15 17:21

| Analyte                    | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|----------------------------|-------------------|--------------|----------------|----------------|
| TPH (GC/FID) High Fraction | U                 |              | 0.0247         | 0.100          |
| (S) o-Terphenyl            | 83.4              |              |                | 50.0-150       |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/26/15 17:38 • (LCSD) 10/26/15 17:55

| Analyte                    | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH (GC/FID) High Fraction | 1.50                 | 1.08               | 1.04                | 72.1          | 69.5           | 50.0-150         |               |                | 3.61     | 20              |
| (S) o-Terphenyl            |                      |                    |                     | 97.0          | 95.5           | 50.0-150         |               |                |          |                 |



## Abbreviations and Definitions

|                 |                                                                                                                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SDG             | Sample Delivery Group.                                                                                                                                                                                                                                                       |
| MDL             | Method Detection Limit.                                                                                                                                                                                                                                                      |
| RDL             | Reported Detection Limit.                                                                                                                                                                                                                                                    |
| ND,U            | Not detected at the Reporting Limit (or MDL where applicable).                                                                                                                                                                                                               |
| RPD             | Relative Percent Difference.                                                                                                                                                                                                                                                 |
| (dry)           | Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].                                                                                                                                                     |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.                                                                              |
| (S)             | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. |
| Rec.            | Recovery.                                                                                                                                                                                                                                                                    |
| SDL             | Sample Detection Limit.                                                                                                                                                                                                                                                      |
| MQL             | Method Quantitation Limit.                                                                                                                                                                                                                                                   |
| Unadj. MQL      | Unadjusted Method Quantitation Limit.                                                                                                                                                                                                                                        |

## Qualifier      Description

|   |                                                                                     |
|---|-------------------------------------------------------------------------------------|
| 4 | The sample concentration was greater than 4 times the spike value.                  |
| * | LCS/LCSD recovery outside the control limit or RPD value outside the control limit. |
| F | The MS/MSD recovery outside the control limit.                                      |
| J | Estimated value.                                                                    |
| X | Surrogate recovery outside the control limit.                                       |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc





ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.

## State Accreditations

|                       |             |                             |                   |
|-----------------------|-------------|-----------------------------|-------------------|
| Alabama               | 40660       | Nevada                      | TN-03-2002-34     |
| Alaska                | UST-080     | New Hampshire               | 2975              |
| Arizona               | AZ0612      | New Jersey–NELAP            | TN002             |
| Arkansas              | 88-0469     | New Mexico                  | TN00003           |
| California            | 01157CA     | New York                    | 11742             |
| Colorado              | TN00003     | North Carolina              | Env375            |
| Connecticut           | PH-0197     | North Carolina <sup>1</sup> | DW21704           |
| Florida               | E87487      | North Carolina <sup>2</sup> | 41                |
| Georgia               | NELAP       | North Dakota                | R-140             |
| Georgia <sup>1</sup>  | 923         | Ohio–VAP                    | CL0069            |
| Idaho                 | TN00003     | Oklahoma                    | 9915              |
| Illinois              | 200008      | Oregon                      | TN200002          |
| Indiana               | C-TN-01     | Pennsylvania                | 68-02979          |
| Iowa                  | 364         | Rhode Island                | 221               |
| Kansas                | E-10277     | South Carolina              | 84004             |
| Kentucky <sup>1</sup> | 90010       | South Dakota                | n/a               |
| Kentucky <sup>2</sup> | 16          | Tennessee <sup>14</sup>     | 2006              |
| Louisiana             | AI30792     | Texas                       | T 104704245-07-TX |
| Maine                 | TN0002      | Texas <sup>5</sup>          | LAB0152           |
| Maryland              | 324         | Utah                        | 6157585858        |
| Massachusetts         | M-TN003     | Vermont                     | VT2006            |
| Michigan              | 9958        | Virginia                    | 109               |
| Minnesota             | 047-999-395 | Washington                  | C1915             |
| Mississippi           | TN00003     | West Virginia               | 233               |
| Missouri              | 340         | Wisconsin                   | 9980939910        |
| Montana               | CERT0086    | Wyoming                     | A2LA              |
| Nebraska              | NE-OS-15-05 |                             |                   |

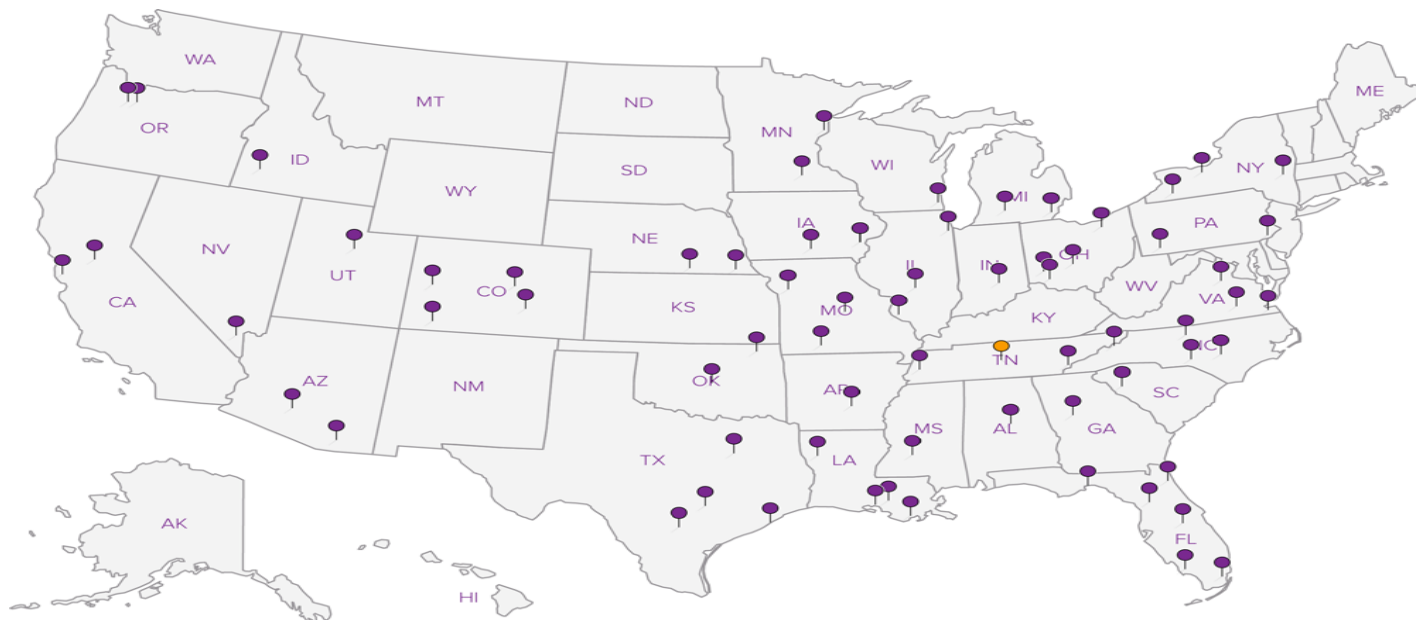
<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>n/a</sup> Accreditation not applicable

## Third Party & Federal Accreditations

|                  |         |      |         |
|------------------|---------|------|---------|
| A2LA – ISO 17025 | 1461.01 | AIHA | 100789  |
| Canada           | 1461.01 | DOD  | 1461.01 |
| EPA–Crypto       | TN00003 | USDA | S-67674 |

## Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



(Shipment # 2)

ARCADIS US - TX

2929 Briarpark Dr., Suite 300  
Houston, TX 77042

Billing Information:  
Att: Accounts Payable  
630 Plaza Drive, Suite 600  
Highlands Ranch, CO 80129

Report to:  
Pam Krueger

Email To: pam.krueger@arcadis-us.com;  
maisha.turner@arcadis-us.com;

Project  
Description: Navajo Refining Company - Artesia, NM

City/State  
Collected: Artesia, NM

Phone: 713-953-4800  
Fax:

Client Project #  
TX000836.0007.15008

Lab Project #  
ARCADHTX-NAVAJO FULL

Collected by (print):  
Greg Scherbenske

Site/Facility ID #  
REST

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)  
Same Day .....200%  
Next Day .....100%  
Two Day .....50%  
Three Day .....25%

Date Results Needed

Email? \_\_\_ No \_\_\_ Yes  
FAX? \_\_\_ No \_\_\_ Yes

No. of  
Cntrs

Immediately  
Packed on Ice N \_\_\_ Y ☒

| Sample ID          | Comp/Grab | Matrix * | Depth | Date     | Time | No. of Cntrs | CL, FL, SO4 | 125mlHDPE-NoPres | DRO | 100ml Amb-HCl | L2 | GRO | 40ml Amb HCl | METALS | 6020 500mlHDPE-HNO3 | (H2O2) | NO2NO3 | 250mlHDPE-H2SO4 | L2 | TDS | 250mlHDPE-NoPres | V8260 | 40ml Amb-HCl | V8260 | 40ml Amb-HCl-Bik | CN | 250mlHDPE-NaOH | 712 | Cations only (Ca, K, Na) | L2 |
|--------------------|-----------|----------|-------|----------|------|--------------|-------------|------------------|-----|---------------|----|-----|--------------|--------|---------------------|--------|--------|-----------------|----|-----|------------------|-------|--------------|-------|------------------|----|----------------|-----|--------------------------|----|
| KWB-3AR            | Grab      | GW       |       |          |      | 8            | X           | X                |     |               |    | X   | X            | X      | X                   | X      | X      | X               | X  | X   | X                | X     | X            | X     | X                | X  | X              | X   | X                        | X  |
| KWB-11A            |           | GW       |       |          |      | 11           | X           | X                | X   | X             | X  | X   | X            | X      | X                   | X      | X      | X               | X  | X   | X                | X     | X            | X     | X                | X  | X              | X   | X                        | X  |
| KWB-11B            |           | GW       |       |          |      | 11           | X           | X                | X   | X             | X  | X   | X            | X      | X                   | X      | X      | X               | X  | X   | X                | X     | X            | X     | X                | X  | X              | X   | X                        | X  |
| TRIP BLANK-REST-01 | Grab      | GW       |       | 10/20/15 | —    | 1            |             |                  |     |               |    |     |              |        |                     |        |        |                 |    |     |                  |       |              | X     |                  |    |                |     |                          |    |
| RA-4798            |           | GW       |       | 10/20/15 | 1350 | 6            | X           |                  |     |               |    |     |              |        | X                   | X      | X      | X               | X  | X   | X                | X     |              |       |                  | X  |                |     |                          |    |
| RA-4196            |           | GW       |       | 10/20/15 | 1335 | 6            | X           |                  |     |               |    |     |              |        | X                   | X      | X      | X               | X  | X   | X                | X     |              |       |                  | X  |                |     |                          |    |
| MW-136             |           | GW       |       | 10/20/15 | 830  | 11           | X           | X                | X   | X             | X  | X   | X            | X      | X                   | X      | X      | X               | X  | X   | X                | X     |              |       |                  | X  |                |     |                          |    |
| KWB-1A             |           | GW       |       |          |      | 9            | X           | X                |     |               |    | X   | X            | X      | X                   | X      | X      | X               | X  | X   | X                | X     |              |       |                  | X  |                |     |                          |    |
| KWB-12A            | Grab      | GW       |       | 10/20/15 | 845  | 11           | X           | X                | X   | X             | X  | X   | X            | X      | X                   | X      | X      | X               | X  | X   | X                | X     |              |       |                  | X  |                |     |                          |    |
| KWB-12B            |           | GW       |       | 10/20/15 | 930  | 11           | X           | X                | X   | X             | X  | X   | X            | X      | X                   | X      | X      | X               | X  | X   | X                | X     |              |       |                  | X  |                |     |                          |    |

\* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_  
Flow \_\_\_\_\_ Other \_\_\_\_\_

Hold #

Relinquished by: (Signature)

Date: 7/21/15

Time: 730

Received by: (Signature)

Samples returned via: ☐ UPS

☒ FedEx ☐ Courier ☐

Condition: (lab use only)

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: 31 °C Bottles Received: 632

COC Seal Intact: \_\_\_ Y \_\_\_ N \_\_\_ NA

Relinquished by: (Signature)

Date:

Time:

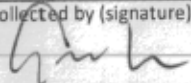
Received for lab by: (Signature)

Date: 10/22/15 Time: 0900

pH Checked: 12712

NCF:

(Shipment # 2)

| Company Name/Address:<br><b>ARCADIS US-TX</b>                                                                 |           |                                                                                                                           |       | Billing Information:                                                                                                                                    |      |                                          |                               | Analysis / Container / Preservative                                                                                                                                                                                                                                                                                                                           |           |                                                    |                                             |           |              |                  |                     | Chain of Custody Page 2 of 16 |  |
|---------------------------------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------------------|---------------------------------------------|-----------|--------------|------------------|---------------------|-------------------------------|--|
| Report to:<br><b>Pam Krueger</b>                                                                              |           |                                                                                                                           |       | Email To:                                                                                                                                               |      |                                          |                               | <div style="display: flex; justify-content: space-between;"> <div> <b>ESC</b><br/> L.A.B S.C.I.E.N.C.E.S<br/> YOUR LAB OF CHOICE<br/> 12065 Lebanon Rd<br/> Mount Juliet, TN 37122<br/> Phone: 615-758-5858<br/> Phone: 800-767-5859<br/> Fax: 615-758-5859 </div>  </div> |           |                                                    |                                             |           |              |                  |                     | L # <b>L796118</b>            |  |
| Project Description: <b>Navajo - Artesia, NM</b>                                                              |           |                                                                                                                           |       | City/State Collected: <b>Artesia, NM</b>                                                                                                                |      |                                          |                               |                                                                                                                                                                                                                                                                                                                                                               |           |                                                    |                                             |           |              |                  |                     | Table #                       |  |
| Phone: <b>713-953-4800</b><br>Fax:                                                                            |           | Client Project #<br><b>TX000836.0007.15008</b>                                                                            |       | Lab Project #<br><b>ARCADHTX-NAVAJO FULL</b>                                                                                                            |      | Acctnum:                                 |                               |                                                                                                                                                                                                                                                                                                                                                               |           |                                                    |                                             |           |              |                  |                     |                               |  |
| Collected by (print):<br><b>Greg Scherbenke</b>                                                               |           | Site/Facility ID #<br><b>REST</b>                                                                                         |       | P.O. #                                                                                                                                                  |      | Template:                                |                               |                                                                                                                                                                                                                                                                                                                                                               |           |                                                    |                                             |           |              |                  |                     |                               |  |
| Collected by (signature):<br> |           | <b>Rush? (Lab MUST Be Notified)</b><br>Same Day .....200%<br>Next Day .....100%<br>Two Day .....50%<br>Three Day .....25% |       | Date Results Needed<br>Email? <input type="checkbox"/> No <input type="checkbox"/> Yes<br>FAX? <input type="checkbox"/> No <input type="checkbox"/> Yes |      | Prelogin:<br>TSR:<br>PB:<br>Shipped Via: |                               |                                                                                                                                                                                                                                                                                                                                                               |           |                                                    |                                             |           |              |                  |                     |                               |  |
| Immediately<br>Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>                 |           |                                                                                                                           |       |                                                                                                                                                         |      |                                          |                               |                                                                                                                                                                                                                                                                                                                                                               |           |                                                    |                                             |           |              |                  |                     |                               |  |
| Sample ID                                                                                                     | Comp/Grab | Matrix *                                                                                                                  | Depth | Date                                                                                                                                                    | Time | Cntrs                                    | CL, FL, SO <sub>4</sub> - Neg | DRO - HCL                                                                                                                                                                                                                                                                                                                                                     | GRO - HCL | Metals 6020-HNO <sub>3</sub> O = with Ca, K, Na L2 | NO2 NO3 - H <sub>2</sub> SO <sub>4</sub> L2 | TDS - Neg | V 8260 - HCL | Rem./Contaminant | Sample # (lab only) |                               |  |
| <del>KWB-10R</del>                                                                                            |           | GW                                                                                                                        |       |                                                                                                                                                         |      | 8                                        | X                             | X                                                                                                                                                                                                                                                                                                                                                             |           | (X)                                                | X                                           | X         | X            | 403              |                     |                               |  |
| <del>MW-131</del>                                                                                             |           | GW                                                                                                                        |       |                                                                                                                                                         |      | 10                                       | X                             | X                                                                                                                                                                                                                                                                                                                                                             | X         | (X)                                                | X                                           | X         | X            | 403              |                     |                               |  |
| KWB-5                                                                                                         | Grab      | GW                                                                                                                        |       | 10/20/15                                                                                                                                                | 1010 | 8                                        | X                             | X                                                                                                                                                                                                                                                                                                                                                             |           | (X)                                                | X                                           | X         | X            |                  | -07                 |                               |  |
| <del>MW-111</del>                                                                                             |           | GW                                                                                                                        |       |                                                                                                                                                         |      | 10                                       | X                             | X                                                                                                                                                                                                                                                                                                                                                             | X         | (X)                                                | X                                           | X         | X            | 403              |                     |                               |  |
| KWB-6                                                                                                         | Grab      | GW                                                                                                                        |       | 10/20/15                                                                                                                                                | 920  | 8                                        | X                             | X                                                                                                                                                                                                                                                                                                                                                             |           | (X)                                                | X                                           | X         | X            |                  | -08                 |                               |  |
| <del>MW-112</del>                                                                                             |           | GW                                                                                                                        |       |                                                                                                                                                         |      | 10                                       | X                             | X                                                                                                                                                                                                                                                                                                                                                             | X         | (X)                                                | X                                           | X         | X            | 403              |                     |                               |  |
| <del>MW-132</del>                                                                                             |           | GW                                                                                                                        |       |                                                                                                                                                         |      | 10                                       | X                             | X                                                                                                                                                                                                                                                                                                                                                             | X         | (X)                                                | X                                           | X         | X            | 403              |                     |                               |  |
| MW-57                                                                                                         | Grab      | GW                                                                                                                        |       | 10/20/15                                                                                                                                                | 1025 | 10                                       | X                             | X                                                                                                                                                                                                                                                                                                                                                             | X         | (X)                                                | X                                           | X         | X            |                  | -09                 |                               |  |

\* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other \_\_\_\_\_

pH \_\_\_\_\_ Temp \_\_\_\_\_

Remarks:

Flow \_\_\_\_\_ Other \_\_\_\_\_

Hold #

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Samples returned via: ☐ UPS

Condition: (lab use only)

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: \_\_\_\_\_ °C Bottles Received:

COC Seal Intact: \_\_\_\_\_ Y \_\_\_\_\_ N \_\_\_\_\_ NA

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: \_\_\_\_\_ Time: \_\_\_\_\_

pH Checked: \_\_\_\_\_

NCF: \_\_\_\_\_

10/22/15 0900

L2 &gt; 12





YOUR LAB OF CHOICE

12065 Lebanon Rd  
Mount Juliet, TN 37122  
Phone: 615-758-5858  
Phone: 800-767-5859  
Fax: 615-758-5859



L# 1796118

Table #

Acctnum: ARCADHTX

Template: T105608

Prelogin: P524667

TSR: 633 - Pam Langford

PB: 9.15 M/S

Shipped Via: FedEx Ground

Rem./Contaminant Sample # (lab only)

-10

-11

-12

GWS

GWS

GWS

GWS

GWS

GWS

GWS

GWS

GWS

GWS

GWS

GWS

GWS

Analysis / Container / Preservative

CL, FL, SO4 125mlHDPE-NoPres

L2

DRO 100ml Amb-HCl

GRO 40ml Amb HCl

METALS 6020 500mlHDPE-HNO3

NO2NO3 250mlHDPE-H2SO4

TDS 250mlHDPE-NoPres

V8260 40ml Amb-HCl

V8260 40ml Amb-HCl-BIK

CN 250mlHDPE Amb-NaOH 712

Metals (Hg, Ni, Va) (HNO3) L2

O = with Ca, K, Na, L2

L2

## ARCADIS US - TX

2929 Briarpark Dr., Suite 300  
Houston, TX 77042

## Billing Information:

Att: Accounts Payable  
630 Plaza Drive, Suite 600  
Highlands Ranch, CO 80129

Report to:  
Pam Krueger

Email To: pam.krueger@arcadis-us.com;  
maisha.turner@arcadis-us.com;

Project  
Description: Navajo Refining Company - Artesia, NM

City/State  
Collected: Artesia, NM

Phone: 713-953-4800

Client Project #  
TX000836.0007.15008

Lab Project #  
ARCADHTX-NAVAJO FULL

Fax:

Collected by (print):  
Greg Scherbenske

Site/Facility ID #  
REST

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Date Results Needed

Same Day .....200%  
Next Day .....100%  
Two Day .....50%  
Three Day .....25%

Email? \_\_\_No \_\_\_X \_\_\_Yes

FAX? \_\_\_No \_\_\_Yes

No.  
of  
Cntrs

Immediately  
Packed on Ice N \_\_\_ Y \_\_\_

| Sample ID        | Comp/Grab | Matrix * | Depth | Date     | Time | Cntrs | CL, FL, SO4 125mlHDPE-NoPres | DRO 100ml Amb-HCl | GRO 40ml Amb HCl | METALS 6020 500mlHDPE-HNO3 | NO2NO3 250mlHDPE-H2SO4 | TDS 250mlHDPE-NoPres | V8260 40ml Amb-HCl | V8260 40ml Amb-HCl-BIK | CN 250mlHDPE Amb-NaOH 712 | Metals (Hg, Ni, Va) (HNO3) L2 | Rem./Contaminant | Sample # (lab only) |
|------------------|-----------|----------|-------|----------|------|-------|------------------------------|-------------------|------------------|----------------------------|------------------------|----------------------|--------------------|------------------------|---------------------------|-------------------------------|------------------|---------------------|
| MW-113           | Grab      | GW       |       | 10/20/15 | 1115 | 10    | X                            | X                 | X                | (X)                        | X                      | X                    | X                  |                        |                           |                               |                  | -10                 |
| MW-133           |           | GW       |       |          |      | 10    | X                            | X                 | X                | (X)                        | X                      | X                    | X                  |                        |                           |                               |                  |                     |
| MW-134           |           | GW       |       |          |      | 10    | X                            | X                 | X                | (X)                        | X                      | X                    | X                  |                        |                           |                               |                  |                     |
| MW-135           |           | GW       |       |          |      | 10    | X                            | X                 | X                | (X)                        | X                      | X                    | X                  |                        |                           |                               |                  |                     |
| DUP-REST-01      | Grab      | GW       |       | 10/20/15 | 1200 | 10    | X                            | X                 | X                | (X)                        | X                      | X                    | X                  |                        |                           |                               |                  | -11                 |
| EB-REST-01       | ↓         | GW       |       | 10/20/15 | 1045 | 10    | X                            | X                 | X                | (X)                        | X                      | X                    | X                  |                        |                           |                               |                  | -12                 |
| DUP-REST-03      |           | GW       |       |          |      | 10    | X                            | X                 | X                | (X)                        | X                      | X                    | X                  |                        |                           |                               |                  |                     |
| EB-REST-03MW-113 |           | GW       |       |          |      | 10    | X                            | X                 | X                | (X)                        | X                      | X                    | X                  |                        |                           |                               |                  |                     |
| KWB-8            |           | GW       |       |          |      | 9/8   | X                            | X                 | X                | (X)                        | X                      | X                    | X                  |                        | X                         | X                             | GWS              |                     |
| KWB-7            |           | GW       |       |          |      | 9/8   | X                            | X                 | X                | (X)                        | X                      | X                    | X                  |                        | X                         | X                             | GWS              |                     |

\* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

## Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Hold #

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Samples returned via: ☐ UPS

Condition: (lab use only)

☒ FedEx ☐ Courier ☐

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received:

COC Seal Intact: \_\_\_Y\_\_\_N\_\_\_NA

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: Time:

pH Checked: NCF:

10/22/15 0900

L2 712

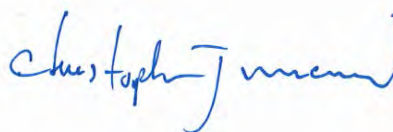
NCF:



## ARCADIS US - TX

Sample Delivery Group: L796154  
Samples Received: 10/22/2015  
Project Number: TX000836.0007.15008  
Description: Navajo Refining Company - Artesia, NM  
Site: REST  
Report To: Pam Krueger  
2929 Briarpark Dr., Suite 300  
Houston, TX 77042

Entire Report Reviewed By:



Chris McCord  
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



|                                                       |           |
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# SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



## TRIP BLANK-REST-03 L796154-01 GW

|                                                    |          |          | Collected by<br>Greg Scherbenske | Collected date/time<br>10/20/15 00:00 | Received date/time<br>10/22/15 09:00 |
|----------------------------------------------------|----------|----------|----------------------------------|---------------------------------------|--------------------------------------|
| Method                                             | Batch    | Dilution | Preparation<br>date/time         | Analysis<br>date/time                 | Analysis Analyst                     |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG825221 | 1        | 10/28/15 21:48                   | 10/28/15 21:48                        | DAH                                  |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

## MW-58 L796154-02 GW

|                                                      |          |          | Collected by<br>Greg Scherbenske | Collected date/time<br>10/20/15 12:15 | Received date/time<br>10/22/15 09:00 |
|------------------------------------------------------|----------|----------|----------------------------------|---------------------------------------|--------------------------------------|
| Method                                               | Batch    | Dilution | Preparation<br>date/time         | Analysis<br>date/time                 | Analysis Analyst                     |
| Gravimetric Analysis by Method 2540 C-2011           | WG824454 | 1        | 10/26/15 11:56                   | 10/27/15 14:18                        | MF                                   |
| Mercury by Method 7470A                              | WG823992 | 1        | 10/23/15 17:38                   | 10/24/15 14:28                        | TRB                                  |
| Metals (ICPMS) by Method 6020                        | WG824873 | 1        | 10/28/15 10:17                   | 10/29/15 01:29                        | LAT                                  |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824381 | 1        | 10/27/15 02:00                   | 10/27/15 22:35                        | JNS                                  |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824439 | 100      | 10/26/15 19:27                   | 10/26/15 19:27                        | ACG                                  |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825221 | 100      | 10/29/15 01:03                   | 10/29/15 01:03                        | DAH                                  |
| Wet Chemistry by Method 353.2                        | WG825537 | 10       | 11/02/15 11:13                   | 11/02/15 11:13                        | ASK                                  |
| Wet Chemistry by Method 9012B                        | WG824892 | 1        | 10/28/15 00:58                   | 10/29/15 10:53                        | DR                                   |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 1        | 10/27/15 15:59                   | 10/27/15 15:59                        | CM                                   |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 20       | 10/27/15 17:17                   | 10/27/15 17:17                        | CM                                   |

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## KWB-2R L796154-03 GW

|                                                      |          |          | Collected by<br>Greg Scherbenske | Collected date/time<br>10/20/15 13:10 | Received date/time<br>10/22/15 09:00 |
|------------------------------------------------------|----------|----------|----------------------------------|---------------------------------------|--------------------------------------|
| Method                                               | Batch    | Dilution | Preparation<br>date/time         | Analysis<br>date/time                 | Analysis Analyst                     |
| Gravimetric Analysis by Method 2540 C-2011           | WG824454 | 1        | 10/26/15 11:56                   | 10/27/15 14:18                        | MF                                   |
| Metals (ICPMS) by Method 6020                        | WG824873 | 1        | 10/28/15 10:17                   | 10/29/15 01:36                        | LAT                                  |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824381 | 1        | 10/27/15 02:00                   | 10/27/15 22:53                        | JNS                                  |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824439 | 100      | 10/26/15 19:50                   | 10/26/15 19:50                        | ACG                                  |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825221 | 100      | 10/29/15 01:22                   | 10/29/15 01:22                        | DAH                                  |
| Wet Chemistry by Method 353.2                        | WG825537 | 10       | 11/02/15 11:14                   | 11/02/15 11:14                        | ASK                                  |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 1        | 10/27/15 16:14                   | 10/27/15 16:14                        | CM                                   |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 20       | 10/27/15 17:32                   | 10/27/15 17:32                        | CM                                   |

## DUP-REST-05 L796154-04 GW

|                                                      |          |          | Collected by<br>Greg Scherbenske | Collected date/time<br>10/20/15 09:00 | Received date/time<br>10/22/15 09:00 |
|------------------------------------------------------|----------|----------|----------------------------------|---------------------------------------|--------------------------------------|
| Method                                               | Batch    | Dilution | Preparation<br>date/time         | Analysis<br>date/time                 | Analysis Analyst                     |
| Gravimetric Analysis by Method 2540 C-2011           | WG824454 | 1        | 10/26/15 11:56                   | 10/27/15 14:16                        | MF                                   |
| Mercury by Method 7470A                              | WG823992 | 1        | 10/23/15 17:38                   | 10/24/15 14:30                        | TRB                                  |
| Metals (ICPMS) by Method 6020                        | WG824873 | 1        | 10/28/15 10:17                   | 10/29/15 01:38                        | LAT                                  |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824381 | 1        | 10/27/15 02:00                   | 10/27/15 23:10                        | JNS                                  |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824603 | 1        | 10/27/15 14:37                   | 10/27/15 14:37                        | JHH                                  |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824439 | 1        | 10/26/15 15:08                   | 10/26/15 15:08                        | ACG                                  |
| Wet Chemistry by Method 353.2                        | WG825537 | 10       | 11/02/15 11:15                   | 11/02/15 11:15                        | ASK                                  |
| Wet Chemistry by Method 9012B                        | WG824892 | 1        | 10/28/15 00:58                   | 10/29/15 10:54                        | DR                                   |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 1        | 10/27/15 16:30                   | 10/27/15 16:30                        | CM                                   |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 50       | 10/27/15 17:48                   | 10/27/15 17:48                        | CM                                   |

## EB-REST-05 L796154-05 GW

|                                            |          |          | Collected by<br>Greg Scherbenske | Collected date/time<br>10/20/15 09:45 | Received date/time<br>10/22/15 09:00 |
|--------------------------------------------|----------|----------|----------------------------------|---------------------------------------|--------------------------------------|
| Method                                     | Batch    | Dilution | Preparation<br>date/time         | Analysis<br>date/time                 | Analysis Analyst                     |
| Gravimetric Analysis by Method 2540 C-2011 | WG824462 | 1        | 10/27/15 05:45                   | 10/28/15 05:08                        | JM                                   |
| Mercury by Method 7470A                    | WG823992 | 1        | 10/23/15 17:38                   | 10/24/15 14:32                        | TRB                                  |





## EB-REST-05 L796154-05 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/20/15 09:45Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Metals (ICPMS) by Method 6020                        | WG824873 | 1        | 10/28/15 10:17           | 10/29/15 01:40        | LAT              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824381 | 1        | 10/27/15 02:00           | 10/27/15 23:28        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824603 | 1        | 10/27/15 15:00           | 10/27/15 15:00        | JHH              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824439 | 1        | 10/26/15 20:13           | 10/26/15 20:13        | ACG              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825221 | 1        | 10/29/15 01:41           | 10/29/15 01:41        | DAH              |
| Wet Chemistry by Method 353.2                        | WG825537 | 10       | 11/02/15 11:21           | 11/02/15 11:21        | ASK              |
| Wet Chemistry by Method 9012B                        | WG824892 | 1        | 10/28/15 00:58           | 10/29/15 10:55        | DR               |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 1        | 10/27/15 14:57           | 10/27/15 14:57        | CM               |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc

## MW-104 L796154-06 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/20/15 13:10Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824462 | 1        | 10/27/15 05:45           | 10/28/15 05:05        | JM               |
| Metals (ICPMS) by Method 6020                        | WG824873 | 1        | 10/28/15 10:17           | 10/29/15 01:42        | LAT              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824381 | 1        | 10/27/15 02:00           | 10/27/15 23:45        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824603 | 1        | 10/27/15 16:28           | 10/27/15 16:28        | JHH              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825221 | 5        | 10/29/15 02:01           | 10/29/15 02:01        | DAH              |
| Wet Chemistry by Method 353.2                        | WG825537 | 10       | 11/02/15 11:22           | 11/02/15 11:22        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 1        | 10/27/15 16:46           | 10/27/15 16:46        | CM               |
| Wet Chemistry by Method 9056MOD                      | WG825183 | 10       | 10/29/15 10:18           | 10/29/15 10:18        | CM               |

<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## MW-102 L796154-07 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/20/15 12:20Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824462 | 1        | 10/27/15 05:45           | 10/28/15 05:09        | JM               |
| Metals (ICPMS) by Method 6020                        | WG824873 | 1        | 10/28/15 10:17           | 10/29/15 01:45        | LAT              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824381 | 5        | 10/27/15 02:00           | 10/29/15 02:08        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824603 | 10       | 10/27/15 16:50           | 10/27/15 16:50        | JHH              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824439 | 100      | 10/26/15 21:00           | 10/26/15 21:00        | ACG              |
| Wet Chemistry by Method 353.2                        | WG825537 | 10       | 11/02/15 11:23           | 11/02/15 11:23        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 1        | 10/27/15 17:01           | 10/27/15 17:01        | CM               |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 5        | 10/28/15 07:33           | 10/28/15 07:33        | CM               |

## MW-99 L796154-08 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/20/15 14:25Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824462 | 1        | 10/27/15 05:45           | 10/28/15 05:02        | JM               |
| Metals (ICPMS) by Method 6020                        | WG824873 | 1        | 10/28/15 10:17           | 10/29/15 01:47        | LAT              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824381 | 1        | 10/27/15 02:00           | 10/28/15 00:21        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824603 | 10       | 10/27/15 17:12           | 10/27/15 17:12        | JHH              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824439 | 25       | 10/26/15 21:23           | 10/26/15 21:23        | ACG              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825221 | 200      | 10/29/15 02:20           | 10/29/15 02:20        | DAH              |
| Wet Chemistry by Method 353.2                        | WG825537 | 10       | 11/02/15 11:24           | 11/02/15 11:24        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 1        | 10/27/15 19:20           | 10/27/15 19:20        | CM               |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 2        | 10/28/15 07:48           | 10/28/15 07:48        | CM               |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 50       | 10/27/15 20:37           | 10/27/15 20:37        | CM               |



## MW-107 L796154-09 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/20/15 13:25Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824462 | 1        | 10/27/15 05:45           | 10/28/15 05:06        | JM               |
| Metals (ICPMS) by Method 6020                        | WG824873 | 1        | 10/28/15 10:17           | 10/29/15 01:49        | LAT              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824381 | 1        | 10/27/15 02:00           | 10/28/15 00:39        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824638 | 5        | 10/29/15 16:40           | 10/29/15 16:40        | JAH              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG824439 | 100      | 10/26/15 21:46           | 10/26/15 21:46        | ACG              |
| Wet Chemistry by Method 353.2                        | WG825537 | 10       | 11/02/15 11:25           | 11/02/15 11:25        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 1        | 10/27/15 19:35           | 10/27/15 19:35        | CM               |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 2        | 10/28/15 08:04           | 10/28/15 08:04        | CM               |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 50       | 10/27/15 20:52           | 10/27/15 20:52        | CM               |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## MW-128 L796154-10 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/20/15 15:25Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824462 | 1        | 10/27/15 05:45           | 10/28/15 05:04        | JM               |
| Metals (ICPMS) by Method 6020                        | WG824873 | 1        | 10/28/15 10:17           | 10/29/15 01:52        | LAT              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824381 | 1        | 10/27/15 02:00           | 10/28/15 00:56        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG825223 | 1        | 10/29/15 09:23           | 10/29/15 09:23        | DWR              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825221 | 20       | 10/29/15 02:40           | 10/29/15 02:40        | DAH              |
| Wet Chemistry by Method 353.2                        | WG825537 | 10       | 11/02/15 11:27           | 11/02/15 11:27        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 1        | 10/27/15 19:51           | 10/27/15 19:51        | CM               |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 50       | 10/27/15 21:08           | 10/27/15 21:08        | CM               |

## MW-125 L796154-11 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/20/15 10:55Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824462 | 1        | 10/27/15 05:45           | 10/28/15 05:08        | JM               |
| Metals (ICPMS) by Method 6020                        | WG824873 | 1        | 10/28/15 10:17           | 10/29/15 01:54        | LAT              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824381 | 1        | 10/27/15 02:00           | 10/28/15 01:14        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG825038 | 1        | 10/28/15 13:17           | 10/28/15 13:17        | DN               |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825221 | 1        | 10/29/15 02:59           | 10/29/15 02:59        | DAH              |
| Wet Chemistry by Method 353.2                        | WG825537 | 10       | 11/02/15 11:28           | 11/02/15 11:28        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 1        | 10/27/15 20:06           | 10/27/15 20:06        | CM               |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 50       | 10/27/15 21:23           | 10/27/15 21:23        | CM               |

## MW-116 L796154-12 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/20/15 15:55Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824462 | 1        | 10/27/15 05:45           | 10/28/15 05:03        | JM               |
| Metals (ICPMS) by Method 6020                        | WG824873 | 1        | 10/28/15 10:17           | 10/29/15 01:56        | LAT              |
| Metals (ICPMS) by Method 6020                        | WG824873 | 2        | 10/28/15 10:17           | 10/29/15 10:50        | JDG              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824381 | 1        | 10/27/15 02:00           | 10/28/15 01:32        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG825038 | 1        | 10/28/15 13:39           | 10/28/15 13:39        | DN               |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825221 | 1        | 10/29/15 03:19           | 10/29/15 03:19        | DAH              |
| Wet Chemistry by Method 353.2                        | WG825537 | 10       | 11/02/15 11:29           | 11/02/15 11:29        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 1        | 10/27/15 20:22           | 10/27/15 20:22        | CM               |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 50       | 10/27/15 21:39           | 10/27/15 21:39        | CM               |



MW-115 L796154-13 GW

Collected by  
Greg ScherbenskeCollected date/time  
10/20/15 08:10Received date/time  
10/22/15 09:00

| Method                                               | Batch    | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analysis Analyst |
|------------------------------------------------------|----------|----------|--------------------------|-----------------------|------------------|
| Gravimetric Analysis by Method 2540 C-2011           | WG824462 | 1        | 10/27/15 05:45           | 10/28/15 05:06        | JM               |
| Metals (ICPMS) by Method 6020                        | WG824873 | 1        | 10/28/15 10:17           | 10/29/15 01:19        | LAT              |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG824381 | 1        | 10/27/15 02:00           | 10/28/15 01:50        | JNS              |
| Volatile Organic Compounds (GC) by Method 8015D/GRO  | WG824638 | 1        | 10/29/15 15:56           | 10/29/15 15:56        | JAH              |
| Volatile Organic Compounds (GC/MS) by Method 8260B   | WG825221 | 1        | 10/28/15 22:08           | 10/28/15 22:08        | DAH              |
| Wet Chemistry by Method 353.2                        | WG825537 | 10       | 11/02/15 11:30           | 11/02/15 11:30        | ASK              |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 1        | 10/27/15 22:25           | 10/27/15 22:25        | CM               |
| Wet Chemistry by Method 9056MOD                      | WG824304 | 50       | 10/27/15 22:40           | 10/27/15 22:40        | CM               |

<sup>1</sup>Cp<sup>2</sup>Tc<sup>3</sup>Ss<sup>4</sup>Cn<sup>5</sup>Sr<sup>6</sup>Qc<sup>7</sup>Gl<sup>8</sup>Al<sup>9</sup>Sc



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord  
Technical Service Representative

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result | Qualifier | MDL   | RDL      | Dilution | Analysis         | Batch                    |
|-----------------------------|--------|-----------|-------|----------|----------|------------------|--------------------------|
|                             | ug/l   |           | ug/l  | ug/l     |          | date / time      |                          |
| Acetone                     | U      |           | 10.0  | 50.0     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Benzene                     | U      |           | 0.331 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Bromodichloromethane        | U      |           | 0.380 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Bromoform                   | U      |           | 0.469 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Bromomethane                | U      |           | 0.866 | 5.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| n-Butylbenzene              | U      |           | 0.361 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| sec-Butylbenzene            | U      |           | 0.365 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Carbon disulfide            | U      |           | 0.275 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Carbon tetrachloride        | U      |           | 0.379 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Chlorobenzene               | U      |           | 0.348 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Chlorodibromomethane        | U      |           | 0.327 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Chloroethane                | U      |           | 0.453 | 5.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Chloroform                  | U      |           | 0.324 | 5.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Chloromethane               | U      |           | 0.276 | 2.50     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| 1,2-Dibromoethane           | U      |           | 0.381 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| 1,1-Dichloroethane          | U      |           | 0.259 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| 1,2-Dichloroethane          | U      |           | 0.361 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| 1,1-Dichloroethene          | U      |           | 0.398 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| cis-1,2-Dichloroethene      | U      |           | 0.260 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| trans-1,2-Dichloroethene    | U      |           | 0.396 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| 1,2-Dichloropropane         | U      |           | 0.306 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| cis-1,3-Dichloropropene     | U      |           | 0.418 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| trans-1,3-Dichloropropene   | U      |           | 0.419 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Ethylbenzene                | U      |           | 0.384 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Isopropylbenzene            | U      |           | 0.326 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| p-Isopropyltoluene          | U      |           | 0.350 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| 2-Butanone (MEK)            | U      |           | 3.93  | 10.0     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| 2-Hexanone                  | U      |           | 3.82  | 10.0     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Methylene Chloride          | U      |           | 1.00  | 5.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| 4-Methyl-2-pentanone (MIBK) | U      |           | 2.14  | 10.0     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Methyl tert-butyl ether     | U      |           | 0.367 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Naphthalene                 | U      |           | 1.00  | 5.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| n-Propylbenzene             | U      |           | 0.349 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Styrene                     | U      |           | 0.307 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| 1,1,1,2-Tetrachloroethane   | U      |           | 0.385 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| 1,1,2,2-Tetrachloroethane   | U      |           | 0.130 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Tetrachloroethene           | U      |           | 0.372 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Toluene                     | U      |           | 0.780 | 5.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| 1,1,1-Trichloroethane       | U      |           | 0.319 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| 1,1,2-Trichloroethane       | U      |           | 0.383 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Trichloroethene             | U      | *         | 0.398 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| 1,2,4-Trimethylbenzene      | U      | -         | 0.373 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| 1,3,5-Trimethylbenzene      | U      |           | 0.387 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Vinyl chloride              | U      |           | 0.259 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| o-Xylene                    | U      |           | 0.341 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| m&p-Xylene                  | U      |           | 0.719 | 1.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| Xylenes, Total              | U      |           | 1.06  | 3.00     | 1        | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| (S) Toluene-d8              | 101    |           |       | 90.0-115 |          | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| (S) Dibromofluoromethane    | 91.3   |           |       | 79.0-121 |          | 10/28/2015 21:48 | <a href="#">WG825221</a> |
| (S) 4-Bromofluorobenzene    | 104    |           |       | 80.1-120 |          | 10/28/2015 21:48 | <a href="#">WG825221</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 1240000 |           | 2820 | 10000 | 1        | 10/27/2015 14:18 | <a href="#">WG824454</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 11/02/2015 11:13 | <a href="#">WG825537</a> |

## Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|------|------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Cyanide | U      |           | 1.80 | 5.00 | 1        | 10/29/2015 10:53 | <a href="#">WG824892</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|-------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l  |          | date / time      |                          |
| Chloride | 239000 |           | 1040 | 20000 | 20       | 10/27/2015 17:17 | <a href="#">WG824304</a> |
| Fluoride | 1350   |           | 9.90 | 100   | 1        | 10/27/2015 15:59 | <a href="#">WG824304</a> |
| Sulfate  | 4800   | J         | 77.4 | 5000  | 1        | 10/27/2015 15:59 | <a href="#">WG824304</a> |

## Mercury by Method 7470A

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|--------|-------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l   | ug/l  |          | date / time      |                          |
| Mercury | U      |           | 0.0490 | 0.200 | 1        | 10/24/2015 14:28 | <a href="#">WG823992</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 8.10   |           | 0.250 | 2.00 | 1        | 10/29/2015 01:29 | <a href="#">WG824873</a> |
| Barium    | 1030   |           | 0.360 | 5.00 | 1        | 10/29/2015 01:29 | <a href="#">WG824873</a> |
| Calcium   | 234000 |           | 46.0  | 1000 | 1        | 10/29/2015 01:29 | <a href="#">WG824873</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/29/2015 01:29 | <a href="#">WG824873</a> |
| Iron      | 1290   |           | 15.0  | 100  | 1        | 10/29/2015 01:29 | <a href="#">WG824873</a> |
| Lead      | 1.90   | J         | 0.240 | 2.00 | 1        | 10/29/2015 01:29 | <a href="#">WG824873</a> |
| Manganese | 117    |           | 0.250 | 5.00 | 1        | 10/29/2015 01:29 | <a href="#">WG824873</a> |
| Nickel    | 1.08   | J         | 0.350 | 2.00 | 1        | 10/29/2015 01:29 | <a href="#">WG824873</a> |
| Potassium | 459    | J         | 37.0  | 1000 | 1        | 10/29/2015 01:29 | <a href="#">WG824873</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/29/2015 01:29 | <a href="#">WG824873</a> |
| Sodium    | 71500  |           | 110   | 1000 | 1        | 10/29/2015 01:29 | <a href="#">WG824873</a> |
| Vanadium  | 3.04   | J         | 0.180 | 5.00 | 1        | 10/29/2015 01:29 | <a href="#">WG824873</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 1000 | 5000 | 100      | 10/26/2015 19:27 | <a href="#">WG824439</a> |
| Benzene              | 6890   |           | 33.1 | 100  | 100      | 10/26/2015 19:27 | <a href="#">WG824439</a> |
| Bromodichloromethane | U      |           | 38.0 | 100  | 100      | 10/26/2015 19:27 | <a href="#">WG824439</a> |
| Bromoform            | U      |           | 46.9 | 100  | 100      | 10/26/2015 19:27 | <a href="#">WG824439</a> |
| Bromomethane         | U      |           | 86.6 | 500  | 100      | 10/26/2015 19:27 | <a href="#">WG824439</a> |
| n-Butylbenzene       | U      |           | 36.1 | 100  | 100      | 10/26/2015 19:27 | <a href="#">WG824439</a> |
| sec-Butylbenzene     | U      |           | 36.5 | 100  | 100      | 10/26/2015 19:27 | <a href="#">WG824439</a> |
| Carbon disulfide     | U      |           | 27.5 | 100  | 100      | 10/26/2015 19:27 | <a href="#">WG824439</a> |
| Carbon tetrachloride | U      |           | 37.9 | 100  | 100      | 10/26/2015 19:27 | <a href="#">WG824439</a> |
| Chlorobenzene        | U      |           | 34.8 | 100  | 100      | 10/26/2015 19:27 | <a href="#">WG824439</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| Chlorodibromomethane        | U              |           | 32.7        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| Chloroethane                | U              |           | 45.3        | 500         | 100      | 10/26/2015 19:27        | WG824439 |
| Chloroform                  | U              |           | 32.4        | 500         | 100      | 10/26/2015 19:27        | WG824439 |
| Chloromethane               | U              |           | 27.6        | 250         | 100      | 10/26/2015 19:27        | WG824439 |
| 1,2-Dibromoethane           | U              |           | 38.1        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| 1,1-Dichloroethane          | U              |           | 25.9        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| 1,2-Dichloroethane          | U              |           | 36.1        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| 1,1-Dichloroethene          | U              |           | 39.8        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| cis-1,2-Dichloroethene      | U              |           | 26.0        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| trans-1,2-Dichloroethene    | U              |           | 39.6        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| 1,2-Dichloropropane         | U              |           | 30.6        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| cis-1,3-Dichloropropene     | U              |           | 41.8        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| trans-1,3-Dichloropropene   | U              |           | 41.9        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| Ethylbenzene                | 2000           |           | 38.4        | 100         | 100      | 10/29/2015 01:03        | WG825221 |
| Isopropylbenzene            | 72.0           | L         | 32.6        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| p-Isopropyltoluene          | U              |           | 35.0        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| 2-Butanone (MEK)            | U              |           | 393         | 1000        | 100      | 10/26/2015 19:27        | WG824439 |
| 2-Hexanone                  | U              |           | 382         | 1000        | 100      | 10/26/2015 19:27        | WG824439 |
| Methylene Chloride          | U              |           | 100         | 500         | 100      | 10/26/2015 19:27        | WG824439 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 214         | 1000        | 100      | 10/26/2015 19:27        | WG824439 |
| Methyl tert-butyl ether     | U              |           | 36.7        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| Naphthalene                 | 354            | L         | 100         | 500         | 100      | 10/29/2015 01:03        | WG825221 |
| n-Propylbenzene             | 125            |           | 34.9        | 100         | 100      | 10/29/2015 01:03        | WG825221 |
| Styrene                     | U              |           | 30.7        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 38.5        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 13.0        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| Tetrachloroethene           | U              |           | 37.2        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| Toluene                     | U              |           | 78.0        | 500         | 100      | 10/26/2015 19:27        | WG824439 |
| 1,1,1-Trichloroethane       | U              |           | 31.9        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| 1,1,2-Trichloroethane       | U              |           | 38.3        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| Trichloroethene             | U              |           | 39.8        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| 1,2,4-Trimethylbenzene      | 893            |           | 37.3        | 100         | 100      | 10/29/2015 01:03        | WG825221 |
| 1,3,5-Trimethylbenzene      | 65.1           | L         | 38.7        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| Vinyl chloride              | U              |           | 25.9        | 100         | 100      | 10/26/2015 19:27        | WG824439 |
| o-Xylene                    | 60.3           | L         | 34.1        | 100         | 100      | 10/29/2015 01:03        | WG825221 |
| m&p-Xylene                  | 2120           |           | 71.9        | 100         | 100      | 10/29/2015 01:03        | WG825221 |
| Xylenes, Total              | 2180           |           | 106         | 300         | 100      | 10/29/2015 01:03        | WG825221 |
| (S) Toluene-d8              | 102            |           |             | 90.0-115    |          | 10/26/2015 19:27        | WG824439 |
| (S) Dibromofluoromethane    | 98.8           |           |             | 79.0-121    |          | 10/26/2015 19:27        | WG824439 |
| (S) 4-Bromofluorobenzene    | 100            |           |             | 80.1-120    |          | 10/26/2015 19:27        | WG824439 |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) High Fraction | 5110           |           | 24.7        | 100         | 1        | 10/27/2015 22:35        | WG824381 |
| (S) o-Terphenyl            | 111            |           |             | 50.0-150    |          | 10/27/2015 22:35        | WG824381 |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 1970000 |           | 2820 | 10000 | 1        | 10/27/2015 14:18 | <a href="#">WG824454</a> |

1 Cp

2 Tc

3 Ss

4 Cn

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 11/02/2015 11:14 | <a href="#">WG825537</a> |

5 Sr

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 228000 |           | 1040 | 20000  | 20       | 10/27/2015 17:32 | <a href="#">WG824304</a> |
| Fluoride | 1210   |           | 9.90 | 100    | 1        | 10/27/2015 16:14 | <a href="#">WG824304</a> |
| Sulfate  | 418000 |           | 1550 | 100000 | 20       | 10/27/2015 17:32 | <a href="#">WG824304</a> |

6 Qc

7 Gl

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 3.90   |           | 0.250 | 2.00 | 1        | 10/29/2015 01:36 | <a href="#">WG824873</a> |
| Barium    | 259    |           | 0.360 | 5.00 | 1        | 10/29/2015 01:36 | <a href="#">WG824873</a> |
| Calcium   | 168000 |           | 46.0  | 1000 | 1        | 10/29/2015 01:36 | <a href="#">WG824873</a> |
| Chromium  | 0.641  | J         | 0.540 | 2.00 | 1        | 10/29/2015 01:36 | <a href="#">WG824873</a> |
| Iron      | 29.5   | J         | 15.0  | 100  | 1        | 10/29/2015 01:36 | <a href="#">WG824873</a> |
| Lead      | 1.95   | J         | 0.240 | 2.00 | 1        | 10/29/2015 01:36 | <a href="#">WG824873</a> |
| Manganese | 52.9   |           | 0.250 | 5.00 | 1        | 10/29/2015 01:36 | <a href="#">WG824873</a> |
| Potassium | 1230   |           | 37.0  | 1000 | 1        | 10/29/2015 01:36 | <a href="#">WG824873</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/29/2015 01:36 | <a href="#">WG824873</a> |
| Sodium    | 296000 |           | 110   | 1000 | 1        | 10/29/2015 01:36 | <a href="#">WG824873</a> |

8 Al

9 Sc

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                   | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|---------------------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                           | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Acetone                   | U      |           | 1000 | 5000 | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| Benzene                   | 4000   |           | 33.1 | 100  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| Bromodichloromethane      | U      |           | 38.0 | 100  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| Bromoform                 | U      |           | 46.9 | 100  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| Bromomethane              | U      |           | 86.6 | 500  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| n-Butylbenzene            | U      |           | 36.1 | 100  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| sec-Butylbenzene          | U      |           | 36.5 | 100  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| Carbon disulfide          | U      |           | 27.5 | 100  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| Carbon tetrachloride      | U      |           | 37.9 | 100  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| Chlorobenzene             | U      |           | 34.8 | 100  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| Chlorodibromomethane      | U      |           | 32.7 | 100  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| Chloroethane              | U      |           | 45.3 | 500  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| Chloroform                | U      |           | 32.4 | 500  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| Chloromethane             | U      |           | 27.6 | 250  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| 1,2-Dibromoethane         | U      |           | 38.1 | 100  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| 1,1-Dichloroethane        | U      |           | 25.9 | 100  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| 1,2-Dichloroethane        | U      |           | 36.1 | 100  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| 1,1-Dichloroethene        | U      |           | 39.8 | 100  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| cis-1,2-Dichloroethene    | U      |           | 26.0 | 100  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| trans-1,2-Dichloroethene  | U      |           | 39.6 | 100  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| 1,2-Dichloropropane       | U      |           | 30.6 | 100  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| cis-1,3-Dichloropropene   | U      |           | 41.8 | 100  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |
| trans-1,3-Dichloropropene | U      |           | 41.9 | 100  | 100      | 10/26/2015 19:50 | <a href="#">WG824439</a> |





## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| Ethylbenzene                | 1720           |           | 38.4        | 100         | 100      | 10/29/2015 01:22        | <a href="#">WG825221</a> |
| Isopropylbenzene            | 92.1           | J         | 32.6        | 100         | 100      | 10/26/2015 19:50        | <a href="#">WG824439</a> |
| p-Isopropyltoluene          | U              |           | 35.0        | 100         | 100      | 10/26/2015 19:50        | <a href="#">WG824439</a> |
| 2-Butanone (MEK)            | U              |           | 393         | 1000        | 100      | 10/26/2015 19:50        | <a href="#">WG824439</a> |
| 2-Hexanone                  | U              |           | 382         | 1000        | 100      | 10/26/2015 19:50        | <a href="#">WG824439</a> |
| Methylene Chloride          | U              |           | 100         | 500         | 100      | 10/26/2015 19:50        | <a href="#">WG824439</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 214         | 1000        | 100      | 10/26/2015 19:50        | <a href="#">WG824439</a> |
| Methyl tert-butyl ether     | U              |           | 36.7        | 100         | 100      | 10/26/2015 19:50        | <a href="#">WG824439</a> |
| Naphthalene                 | U              |           | 100         | 500         | 100      | 10/29/2015 01:22        | <a href="#">WG825221</a> |
| n-Propylbenzene             | 169            |           | 34.9        | 100         | 100      | 10/29/2015 01:22        | <a href="#">WG825221</a> |
| Styrene                     | U              |           | 30.7        | 100         | 100      | 10/26/2015 19:50        | <a href="#">WG824439</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 38.5        | 100         | 100      | 10/26/2015 19:50        | <a href="#">WG824439</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 13.0        | 100         | 100      | 10/26/2015 19:50        | <a href="#">WG824439</a> |
| Tetrachloroethene           | U              |           | 37.2        | 100         | 100      | 10/26/2015 19:50        | <a href="#">WG824439</a> |
| Toluene                     | U              |           | 78.0        | 500         | 100      | 10/26/2015 19:50        | <a href="#">WG824439</a> |
| 1,1,1-Trichloroethane       | U              |           | 31.9        | 100         | 100      | 10/26/2015 19:50        | <a href="#">WG824439</a> |
| 1,1,2-Trichloroethane       | U              |           | 38.3        | 100         | 100      | 10/26/2015 19:50        | <a href="#">WG824439</a> |
| Trichloroethene             | U              |           | 39.8        | 100         | 100      | 10/26/2015 19:50        | <a href="#">WG824439</a> |
| 1,2,4-Trimethylbenzene      | 317            |           | 37.3        | 100         | 100      | 10/29/2015 01:22        | <a href="#">WG825221</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 38.7        | 100         | 100      | 10/26/2015 19:50        | <a href="#">WG824439</a> |
| Vinyl chloride              | U              |           | 25.9        | 100         | 100      | 10/26/2015 19:50        | <a href="#">WG824439</a> |
| o-Xylene                    | U              |           | 34.1        | 100         | 100      | 10/29/2015 01:22        | <a href="#">WG825221</a> |
| m&p-Xylene                  | 448            |           | 71.9        | 100         | 100      | 10/29/2015 01:22        | <a href="#">WG825221</a> |
| Xylenes, Total              | 448            |           | 106         | 300         | 100      | 10/29/2015 01:22        | <a href="#">WG825221</a> |
| (S) Toluene-d8              | 102            |           |             | 90.0-115    |          | 10/26/2015 19:50        | <a href="#">WG824439</a> |
| (S) Dibromofluoromethane    | 98.2           |           |             | 79.0-121    |          | 10/26/2015 19:50        | <a href="#">WG824439</a> |
| (S) 4-Bromofluorobenzene    | 99.0           |           |             | 80.1-120    |          | 10/26/2015 19:50        | <a href="#">WG824439</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 3950           |           | 24.7        | 100         | 1        | 10/27/2015 22:53        | <a href="#">WG824381</a> |
| (S) o-Terphenyl            | 96.1           |           |             | 50.0-150    |          | 10/27/2015 22:53        | <a href="#">WG824381</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 3270000 |           | 2820 | 10000 | 1        | 10/27/2015 14:16 | <a href="#">WG824454</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 4820   |           | 197  | 1000 | 10       | 11/02/2015 11:15 | <a href="#">WG825537</a> |

## Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|------|------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Cyanide | U      |           | 1.80 | 5.00 | 1        | 10/29/2015 10:54 | <a href="#">WG824892</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 123000  |           | 2600 | 50000  | 50       | 10/27/2015 17:48 | <a href="#">WG824304</a> |
| Fluoride | 430     |           | 9.90 | 100    | 1        | 10/27/2015 16:30 | <a href="#">WG824304</a> |
| Sulfate  | 2450000 |           | 3870 | 250000 | 50       | 10/27/2015 17:48 | <a href="#">WG824304</a> |

## Mercury by Method 7470A

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|--------|-------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l   | ug/l  |          | date / time      |                          |
| Mercury | U      |           | 0.0490 | 0.200 | 1        | 10/24/2015 14:30 | <a href="#">WG823992</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 2.37   |           | 0.250 | 2.00 | 1        | 10/29/2015 01:38 | <a href="#">WG824873</a> |
| Barium    | 11.8   |           | 0.360 | 5.00 | 1        | 10/29/2015 01:38 | <a href="#">WG824873</a> |
| Calcium   | 538000 |           | 46.0  | 1000 | 1        | 10/29/2015 01:38 | <a href="#">WG824873</a> |
| Chromium  | 0.599  | J         | 0.540 | 2.00 | 1        | 10/29/2015 01:38 | <a href="#">WG824873</a> |
| Iron      | 31.2   | J         | 15.0  | 100  | 1        | 10/29/2015 01:38 | <a href="#">WG824873</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/29/2015 01:38 | <a href="#">WG824873</a> |
| Manganese | 1.50   | J         | 0.250 | 5.00 | 1        | 10/29/2015 01:38 | <a href="#">WG824873</a> |
| Nickel    | 0.565  | J         | 0.350 | 2.00 | 1        | 10/29/2015 01:38 | <a href="#">WG824873</a> |
| Potassium | 569    | J         | 37.0  | 1000 | 1        | 10/29/2015 01:38 | <a href="#">WG824873</a> |
| Selenium  | 3.61   |           | 0.380 | 2.00 | 1        | 10/29/2015 01:38 | <a href="#">WG824873</a> |
| Sodium    | 127000 |           | 110   | 1000 | 1        | 10/29/2015 01:38 | <a href="#">WG824873</a> |
| Vanadium  | 12.9   |           | 0.180 | 5.00 | 1        | 10/29/2015 01:38 | <a href="#">WG824873</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/27/2015 14:37 | <a href="#">WG824603</a> |
| (S) a,a,a-Trifluorotoluene(FID) 91.0 |        |           |      | 62.0-128 |          | 10/27/2015 14:37 | <a href="#">WG824603</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/26/2015 15:08 | <a href="#">WG824439</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/26/2015 15:08 | <a href="#">WG824439</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/26/2015 15:08 | <a href="#">WG824439</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |                 |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|-----------------|
| Bromoform                   | U              |           | 0.469       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 | <sup>1</sup> Cp |
| Bromomethane                | U              |           | 0.866       | 5.00        | 1        | 10/26/2015 15:08        | WG824439 | <sup>2</sup> Tc |
| n-Butylbenzene              | U              |           | 0.361       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| sec-Butylbenzene            | U              |           | 0.365       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 | <sup>3</sup> Ss |
| Carbon disulfide            | U              | E         | 0.275       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| Carbon tetrachloride        | U              |           | 0.379       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 | <sup>4</sup> Cn |
| Chlorobenzene               | U              |           | 0.348       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| Chlorodibromomethane        | U              |           | 0.327       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| Chloroethane                | U              |           | 0.453       | 5.00        | 1        | 10/26/2015 15:08        | WG824439 | <sup>5</sup> Sr |
| Chloroform                  | U              |           | 0.324       | 5.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| Chloromethane               | U              | E         | 0.276       | 2.50        | 1        | 10/26/2015 15:08        | WG824439 | <sup>6</sup> Qc |
| 1,2-Dibromoethane           | U              |           | 0.381       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| 1,1-Dichloroethane          | U              |           | 0.259       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 | <sup>7</sup> Gl |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 | <sup>8</sup> Al |
| trans-1,2-Dichloroethene    | U              | E         | 0.396       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 | <sup>9</sup> Sc |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| Methylene Chloride          | U              | E         | 1.00        | 5.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| 1,2,4-Trimethylbenzene      | 0.895          | U         | 0.373       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| Vinyl chloride              | U              | E         | 0.259       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| o-Xylene                    | 0.692          | U         | 0.341       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| m&p-Xylene                  | 1.57           |           | 0.719       | 1.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| Xylenes, Total              | 2.26           | U         | 1.06        | 3.00        | 1        | 10/26/2015 15:08        | WG824439 |                 |
| (S) Toluene-d8              | 101            |           |             | 90.0-115    |          | 10/26/2015 15:08        | WG824439 |                 |
| (S) Dibromofluoromethane    | 98.2           |           |             | 79.0-121    |          | 10/26/2015 15:08        | WG824439 |                 |
| (S) 4-Bromofluorobenzene    | 99.9           |           |             | 80.1-120    |          | 10/26/2015 15:08        | WG824439 |                 |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) High Fraction | 37.2           | U         | 24.7        | 100         | 1        | 10/27/2015 23:10        | WG824381 |
| (S) o-Terphenyl            | 85.2           |           |             | 50.0-150    |          | 10/27/2015 23:10        | WG824381 |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|--------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l   |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 20000  |           | 2820 | 10000 | 1        | 10/28/2015 05:08 | <a href="#">WG824462</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 11/02/2015 11:21 | <a href="#">WG825537</a> |

## Wet Chemistry by Method 9012B

| Analyte | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|------|------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Cyanide | U      |           | 1.80 | 5.00 | 1        | 10/29/2015 10:55 | <a href="#">WG824892</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Chloride | 66.9   | J         | 51.9 | 1000 | 1        | 10/27/2015 14:57 | <a href="#">WG824304</a> |
| Fluoride | U      |           | 9.90 | 100  | 1        | 10/27/2015 14:57 | <a href="#">WG824304</a> |
| Sulfate  | 192    | J         | 77.4 | 5000 | 1        | 10/27/2015 14:57 | <a href="#">WG824304</a> |

## Mercury by Method 7470A

| Analyte | Result | Qualifier | MDL    | RDL   | Dilution | Analysis         | Batch                    |
|---------|--------|-----------|--------|-------|----------|------------------|--------------------------|
|         | ug/l   |           | ug/l   | ug/l  |          | date / time      |                          |
| Mercury | U      |           | 0.0490 | 0.200 | 1        | 10/24/2015 14:32 | <a href="#">WG823992</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | U      |           | 0.250 | 2.00 | 1        | 10/29/2015 01:40 | <a href="#">WG824873</a> |
| Barium    | 2.13   | J         | 0.360 | 5.00 | 1        | 10/29/2015 01:40 | <a href="#">WG824873</a> |
| Calcium   | 102    | J         | 46.0  | 1000 | 1        | 10/29/2015 01:40 | <a href="#">WG824873</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/29/2015 01:40 | <a href="#">WG824873</a> |
| Iron      | U      |           | 15.0  | 100  | 1        | 10/29/2015 01:40 | <a href="#">WG824873</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/29/2015 01:40 | <a href="#">WG824873</a> |
| Manganese | 0.956  | J         | 0.250 | 5.00 | 1        | 10/29/2015 01:40 | <a href="#">WG824873</a> |
| Nickel    | U      |           | 0.350 | 2.00 | 1        | 10/29/2015 01:40 | <a href="#">WG824873</a> |
| Potassium | U      |           | 37.0  | 1000 | 1        | 10/29/2015 01:40 | <a href="#">WG824873</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/29/2015 01:40 | <a href="#">WG824873</a> |
| Sodium    | 515    | J         | 110   | 1000 | 1        | 10/29/2015 01:40 | <a href="#">WG824873</a> |
| Vanadium  | 1.02   | J         | 0.180 | 5.00 | 1        | 10/29/2015 01:40 | <a href="#">WG824873</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/27/2015 15:00 | <a href="#">WG824603</a> |
| (S) a,a,a-Trifluorotoluene(FID) 91.4 |        |           |      | 62.0-128 |          | 10/27/2015 15:00 | <a href="#">WG824603</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/26/2015 20:13 | <a href="#">WG824439</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/26/2015 20:13 | <a href="#">WG824439</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/26/2015 20:13 | <a href="#">WG824439</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| Bromoform                   | U              |           | 0.469       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| Bromomethane                | U              |           | 0.866       | 5.00        | 1        | 10/26/2015 20:13        | WG824439 |
| n-Butylbenzene              | U              |           | 0.361       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| sec-Butylbenzene            | U              |           | 0.365       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| Carbon disulfide            | U              |           | 0.275       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| Carbon tetrachloride        | U              |           | 0.379       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| Chlorobenzene               | U              |           | 0.348       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| Chlorodibromomethane        | U              |           | 0.327       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| Chloroethane                | U              |           | 0.453       | 5.00        | 1        | 10/26/2015 20:13        | WG824439 |
| Chloroform                  | 5.69           |           | 0.324       | 5.00        | 1        | 10/26/2015 20:13        | WG824439 |
| Chloromethane               | U              |           | 0.276       | 2.50        | 1        | 10/26/2015 20:13        | WG824439 |
| 1,2-Dibromoethane           | U              |           | 0.381       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| 1,1-Dichloroethane          | U              |           | 0.259       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/29/2015 01:41        | WG825221 |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/26/2015 20:13        | WG824439 |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/26/2015 20:13        | WG824439 |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/26/2015 20:13        | WG824439 |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/26/2015 20:13        | WG824439 |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/26/2015 20:13        | WG824439 |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/26/2015 20:13        | WG824439 |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| Trichloroethene             | U              |           | 0.398       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/29/2015 01:41        | WG825221 |
| 1,3,5-Trimethylbenzene      | 0.431          | U         | 0.387       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/26/2015 20:13        | WG824439 |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/29/2015 01:41        | WG825221 |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/29/2015 01:41        | WG825221 |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/29/2015 01:41        | WG825221 |
| (S) Toluene-d8              | 102            |           |             | 90.0-115    |          | 10/26/2015 20:13        | WG824439 |
| (S) Dibromofluoromethane    | 97.1           |           |             | 79.0-121    |          | 10/26/2015 20:13        | WG824439 |
| (S) 4-Bromofluorobenzene    | 100            |           |             | 80.1-120    |          | 10/26/2015 20:13        | WG824439 |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|----------|
| TPH (GC/FID) High Fraction | U              |           | 24.7        | 100         | 1        | 10/27/2015 23:28        | WG824381 |
| (S) o-Terphenyl            | 80.9           |           |             | 50.0-150    |          | 10/27/2015 23:28        | WG824381 |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|--------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l   |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 912000 |           | 2820 | 10000 | 1        | 10/28/2015 05:05 | <a href="#">WG824462</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 11/02/2015 11:22 | <a href="#">WG825537</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|-------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l  |          | date / time      |                          |
| Chloride | 21000  |           | 51.9 | 1000  | 1        | 10/27/2015 16:46 | <a href="#">WG824304</a> |
| Fluoride | 2010   |           | 9.90 | 100   | 1        | 10/27/2015 16:46 | <a href="#">WG824304</a> |
| Sulfate  | 510000 |           | 774  | 50000 | 10       | 10/29/2015 10:18 | <a href="#">WG825183</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 1.50   | J         | 0.250 | 2.00 | 1        | 10/29/2015 01:42 | <a href="#">WG824873</a> |
| Barium    | 22.9   |           | 0.360 | 5.00 | 1        | 10/29/2015 01:42 | <a href="#">WG824873</a> |
| Calcium   | 169000 |           | 46.0  | 1000 | 1        | 10/29/2015 01:42 | <a href="#">WG824873</a> |
| Chromium  | 0.591  | J         | 0.540 | 2.00 | 1        | 10/29/2015 01:42 | <a href="#">WG824873</a> |
| Iron      | 38.5   | J         | 15.0  | 100  | 1        | 10/29/2015 01:42 | <a href="#">WG824873</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/29/2015 01:42 | <a href="#">WG824873</a> |
| Manganese | 14.8   |           | 0.250 | 5.00 | 1        | 10/29/2015 01:42 | <a href="#">WG824873</a> |
| Potassium | 4920   |           | 37.0  | 1000 | 1        | 10/29/2015 01:42 | <a href="#">WG824873</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/29/2015 01:42 | <a href="#">WG824873</a> |
| Sodium    | 38600  |           | 110   | 1000 | 1        | 10/29/2015 01:42 | <a href="#">WG824873</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 1050   |           | 31.4 | 100      | 1        | 10/27/2015 16:28 | <a href="#">WG824603</a> |
| (S) a,a,a-Trifluorotoluene(FID) 81.6 |        |           |      | 62.0-128 |          | 10/27/2015 16:28 | <a href="#">WG824603</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 50.0 | 250  | 5        | 10/29/2015 02:01 | <a href="#">WG825221</a> |
| Benzene              | 257    |           | 1.66 | 5.00 | 5        | 10/29/2015 02:01 | <a href="#">WG825221</a> |
| Bromodichloromethane | U      |           | 1.90 | 5.00 | 5        | 10/29/2015 02:01 | <a href="#">WG825221</a> |
| Bromoform            | U      |           | 2.34 | 5.00 | 5        | 10/29/2015 02:01 | <a href="#">WG825221</a> |
| Bromomethane         | U      |           | 4.33 | 25.0 | 5        | 10/29/2015 02:01 | <a href="#">WG825221</a> |
| n-Butylbenzene       | U      |           | 1.80 | 5.00 | 5        | 10/29/2015 02:01 | <a href="#">WG825221</a> |
| sec-Butylbenzene     | 37.8   |           | 1.82 | 5.00 | 5        | 10/29/2015 02:01 | <a href="#">WG825221</a> |
| Carbon disulfide     | 2.68   | J         | 1.38 | 5.00 | 5        | 10/29/2015 02:01 | <a href="#">WG825221</a> |
| Carbon tetrachloride | U      |           | 1.90 | 5.00 | 5        | 10/29/2015 02:01 | <a href="#">WG825221</a> |
| Chlorobenzene        | U      |           | 1.74 | 5.00 | 5        | 10/29/2015 02:01 | <a href="#">WG825221</a> |
| Chlorodibromomethane | U      |           | 1.64 | 5.00 | 5        | 10/29/2015 02:01 | <a href="#">WG825221</a> |
| Chloroethane         | U      |           | 2.26 | 25.0 | 5        | 10/29/2015 02:01 | <a href="#">WG825221</a> |
| Chloroform           | U      |           | 1.62 | 25.0 | 5        | 10/29/2015 02:01 | <a href="#">WG825221</a> |
| Chloromethane        | U      |           | 1.38 | 12.5 | 5        | 10/29/2015 02:01 | <a href="#">WG825221</a> |
| 1,2-Dibromoethane    | U      |           | 1.90 | 5.00 | 5        | 10/29/2015 02:01 | <a href="#">WG825221</a> |
| 1,1-Dichloroethane   | U      |           | 1.30 | 5.00 | 5        | 10/29/2015 02:01 | <a href="#">WG825221</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 1.80        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| 1,1-Dichloroethene          | U              |           | 1.99        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| cis-1,2-Dichloroethene      | U              |           | 1.30        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| trans-1,2-Dichloroethene    | U              |           | 1.98        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| 1,2-Dichloropropane         | U              |           | 1.53        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| cis-1,3-Dichloropropene     | U              |           | 2.09        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| trans-1,3-Dichloropropene   | U              |           | 2.10        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| Ethylbenzene                | 12.6           |           | 1.92        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| Isopropylbenzene            | 44.9           |           | 1.63        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| p-Isopropyltoluene          | U              |           | 1.75        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| 2-Butanone (MEK)            | U              |           | 19.6        | 50.0        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| 2-Hexanone                  | U              |           | 19.1        | 50.0        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| Methylene Chloride          | U              |           | 5.00        | 25.0        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 10.7        | 50.0        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| Methyl tert-butyl ether     | 1.89           | L         | 1.84        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| Naphthalene                 | U              |           | 5.00        | 25.0        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| n-Propylbenzene             | 4.58           | L         | 1.74        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| Styrene                     | U              |           | 1.54        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 1.92        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.650       | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| Tetrachloroethene           | U              |           | 1.86        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| Toluene                     | U              |           | 3.90        | 25.0        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| 1,1,1-Trichloroethane       | U              |           | 1.60        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| 1,1,2-Trichloroethane       | U              |           | 1.92        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| Trichloroethene             | U              | *         | 1.99        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 1.86        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 1.94        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| Vinyl chloride              | U              |           | 1.30        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| o-Xylene                    | U              |           | 1.70        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| m&p-Xylene                  | U              |           | 3.60        | 5.00        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| Xylenes, Total              | U              |           | 5.30        | 15.0        | 5        | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| (S) Toluene-d8              | 102            |           |             | 90.0-115    |          | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| (S) Dibromofluoromethane    | 93.9           |           |             | 79.0-121    |          | 10/29/2015 02:01        | <a href="#">WG825221</a> |
| (S) 4-Bromofluorobenzene    | 103            |           |             | 80.1-120    |          | 10/29/2015 02:01        | <a href="#">WG825221</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 1060           |           | 24.7        | 100         | 1        | 10/27/2015 23:45        | <a href="#">WG824381</a> |
| (S) o-Terphenyl            | 93.2           |           |             | 50.0-150    |          | 10/27/2015 23:45        | <a href="#">WG824381</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 1750000 |           | 2820 | 10000 | 1        | 10/28/2015 05:09 | <a href="#">WG824462</a> |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 11/02/2015 11:23 | <a href="#">WG825537</a> |

<sup>6</sup> Qc<sup>7</sup> Gl

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|-------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l  |          | date / time      |                          |
| Chloride | 219000 |           | 260  | 5000  | 5        | 10/28/2015 07:33 | <a href="#">WG824304</a> |
| Fluoride | 1130   |           | 9.90 | 100   | 1        | 10/27/2015 17:01 | <a href="#">WG824304</a> |
| Sulfate  | 296000 |           | 387  | 25000 | 5        | 10/28/2015 07:33 | <a href="#">WG824304</a> |

<sup>8</sup> Al<sup>9</sup> Sc

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 12.3   |           | 0.250 | 2.00 | 1        | 10/29/2015 01:45 | <a href="#">WG824873</a> |
| Barium    | 423    |           | 0.360 | 5.00 | 1        | 10/29/2015 01:45 | <a href="#">WG824873</a> |
| Calcium   | 193000 |           | 46.0  | 1000 | 1        | 10/29/2015 01:45 | <a href="#">WG824873</a> |
| Chromium  | 1.06   | J         | 0.540 | 2.00 | 1        | 10/29/2015 01:45 | <a href="#">WG824873</a> |
| Iron      | 72.3   | J         | 15.0  | 100  | 1        | 10/29/2015 01:45 | <a href="#">WG824873</a> |
| Lead      | 2.63   |           | 0.240 | 2.00 | 1        | 10/29/2015 01:45 | <a href="#">WG824873</a> |
| Manganese | 27.3   |           | 0.250 | 5.00 | 1        | 10/29/2015 01:45 | <a href="#">WG824873</a> |
| Potassium | 683    | J         | 37.0  | 1000 | 1        | 10/29/2015 01:45 | <a href="#">WG824873</a> |
| Selenium  | 0.393  | J         | 0.380 | 2.00 | 1        | 10/29/2015 01:45 | <a href="#">WG824873</a> |
| Sodium    | 385000 |           | 110   | 1000 | 1        | 10/29/2015 01:45 | <a href="#">WG824873</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 31400  |           | 314  | 1000     | 10       | 10/27/2015 16:50 | <a href="#">WG824603</a> |
| (S) a,a,a-Trifluorotoluene(FID) 81.8 |        |           |      | 62.0-128 |          | 10/27/2015 16:50 | <a href="#">WG824603</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 1000 | 5000 | 100      | 10/26/2015 21:00 | <a href="#">WG824439</a> |
| Benzene              | 12300  |           | 33.1 | 100  | 100      | 10/26/2015 21:00 | <a href="#">WG824439</a> |
| Bromodichloromethane | U      |           | 38.0 | 100  | 100      | 10/26/2015 21:00 | <a href="#">WG824439</a> |
| Bromoform            | U      |           | 46.9 | 100  | 100      | 10/26/2015 21:00 | <a href="#">WG824439</a> |
| Bromomethane         | U      |           | 86.6 | 500  | 100      | 10/26/2015 21:00 | <a href="#">WG824439</a> |
| n-Butylbenzene       | U      |           | 36.1 | 100  | 100      | 10/26/2015 21:00 | <a href="#">WG824439</a> |
| sec-Butylbenzene     | U      |           | 36.5 | 100  | 100      | 10/26/2015 21:00 | <a href="#">WG824439</a> |
| Carbon disulfide     | U      |           | 27.5 | 100  | 100      | 10/26/2015 21:00 | <a href="#">WG824439</a> |
| Carbon tetrachloride | U      |           | 37.9 | 100  | 100      | 10/26/2015 21:00 | <a href="#">WG824439</a> |
| Chlorobenzene        | U      |           | 34.8 | 100  | 100      | 10/26/2015 21:00 | <a href="#">WG824439</a> |
| Chlorodibromomethane | U      |           | 32.7 | 100  | 100      | 10/26/2015 21:00 | <a href="#">WG824439</a> |
| Chloroethane         | U      |           | 45.3 | 500  | 100      | 10/26/2015 21:00 | <a href="#">WG824439</a> |
| Chloroform           | U      |           | 32.4 | 500  | 100      | 10/26/2015 21:00 | <a href="#">WG824439</a> |
| Chloromethane        | U      |           | 27.6 | 250  | 100      | 10/26/2015 21:00 | <a href="#">WG824439</a> |
| 1,2-Dibromoethane    | U      |           | 38.1 | 100  | 100      | 10/26/2015 21:00 | <a href="#">WG824439</a> |
| 1,1-Dichloroethane   | U      |           | 25.9 | 100  | 100      | 10/26/2015 21:00 | <a href="#">WG824439</a> |





## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 36.1        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| 1,1-Dichloroethene          | U              |           | 39.8        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| cis-1,2-Dichloroethene      | U              |           | 26.0        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| trans-1,2-Dichloroethene    | U              |           | 39.6        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| 1,2-Dichloropropane         | U              |           | 30.6        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| cis-1,3-Dichloropropene     | U              |           | 41.8        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| trans-1,3-Dichloropropene   | U              |           | 41.9        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| Ethylbenzene                | 1040           |           | 38.4        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| Isopropylbenzene            | 58.3           | L         | 32.6        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| p-Isopropyltoluene          | U              |           | 35.0        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| 2-Butanone (MEK)            | U              |           | 393         | 1000        | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| 2-Hexanone                  | U              |           | 382         | 1000        | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| Methylene Chloride          | U              |           | 100         | 500         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 214         | 1000        | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| Methyl tert-butyl ether     | 2120           |           | 36.7        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| Naphthalene                 | 256            | L         | 100         | 500         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| n-Propylbenzene             | 89.7           | L         | 34.9        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| Styrene                     | U              |           | 30.7        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 38.5        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 13.0        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| Tetrachloroethene           | U              |           | 37.2        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| Toluene                     | 1200           |           | 78.0        | 500         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| 1,1,1-Trichloroethane       | U              |           | 31.9        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| 1,1,2-Trichloroethane       | U              |           | 38.3        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| Trichloroethene             | U              |           | 39.8        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| 1,2,4-Trimethylbenzene      | 465            |           | 37.3        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| 1,3,5-Trimethylbenzene      | 115            |           | 38.7        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| Vinyl chloride              | U              |           | 25.9        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| o-Xylene                    | 361            |           | 34.1        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| m&p-Xylene                  | 1060           |           | 71.9        | 100         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| Xylenes, Total              | 1430           |           | 106         | 300         | 100      | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| (S) Toluene-d8              | 104            |           |             | 90.0-115    |          | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| (S) Dibromofluoromethane    | 101            |           |             | 79.0-121    |          | 10/26/2015 21:00        | <a href="#">WG824439</a> |
| (S) 4-Bromofluorobenzene    | 100            |           |             | 80.1-120    |          | 10/26/2015 21:00        | <a href="#">WG824439</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 11400          |           | 124         | 500         | 5        | 10/29/2015 02:08        | <a href="#">WG824381</a> |
| (S) o-Terphenyl            | 98.3           |           |             | 50.0-150    |          | 10/29/2015 02:08        | <a href="#">WG824381</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 1390000 |           | 2820 | 10000 | 1        | 10/28/2015 05:02 | <a href="#">WG824462</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 11/02/2015 11:24 | <a href="#">WG825537</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|-------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l  |          | date / time      |                          |
| Chloride | 249000 |           | 2600 | 50000 | 50       | 10/27/2015 20:37 | <a href="#">WG824304</a> |
| Fluoride | 706    |           | 9.90 | 100   | 1        | 10/27/2015 19:20 | <a href="#">WG824304</a> |
| Sulfate  | 127000 |           | 155  | 10000 | 2        | 10/28/2015 07:48 | <a href="#">WG824304</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 8.12   |           | 0.250 | 2.00 | 1        | 10/29/2015 01:47 | <a href="#">WG824873</a> |
| Barium    | 279    |           | 0.360 | 5.00 | 1        | 10/29/2015 01:47 | <a href="#">WG824873</a> |
| Calcium   | 176000 |           | 46.0  | 1000 | 1        | 10/29/2015 01:47 | <a href="#">WG824873</a> |
| Chromium  | 0.832  | J         | 0.540 | 2.00 | 1        | 10/29/2015 01:47 | <a href="#">WG824873</a> |
| Iron      | 382    |           | 15.0  | 100  | 1        | 10/29/2015 01:47 | <a href="#">WG824873</a> |
| Lead      | 1.53   | J         | 0.240 | 2.00 | 1        | 10/29/2015 01:47 | <a href="#">WG824873</a> |
| Manganese | 191    |           | 0.250 | 5.00 | 1        | 10/29/2015 01:47 | <a href="#">WG824873</a> |
| Potassium | 955    | J         | 37.0  | 1000 | 1        | 10/29/2015 01:47 | <a href="#">WG824873</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/29/2015 01:47 | <a href="#">WG824873</a> |
| Sodium    | 215000 |           | 110   | 1000 | 1        | 10/29/2015 01:47 | <a href="#">WG824873</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 19400  |           | 314  | 1000     | 10       | 10/27/2015 17:12 | <a href="#">WG824603</a> |
| (S) a,a,a-Trifluorotoluene(FID) 84.6 |        |           |      | 62.0-128 |          | 10/27/2015 17:12 | <a href="#">WG824603</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 250  | 1250 | 25       | 10/26/2015 21:23 | <a href="#">WG824439</a> |
| Benzene              | 7280   |           | 66.2 | 200  | 200      | 10/29/2015 02:20 | <a href="#">WG825221</a> |
| Bromodichloromethane | U      |           | 9.50 | 25.0 | 25       | 10/26/2015 21:23 | <a href="#">WG824439</a> |
| Bromoform            | U      |           | 11.7 | 25.0 | 25       | 10/26/2015 21:23 | <a href="#">WG824439</a> |
| Bromomethane         | U      |           | 21.6 | 125  | 25       | 10/26/2015 21:23 | <a href="#">WG824439</a> |
| n-Butylbenzene       | 10.4   | J         | 9.02 | 25.0 | 25       | 10/26/2015 21:23 | <a href="#">WG824439</a> |
| sec-Butylbenzene     | 11.3   | J         | 9.12 | 25.0 | 25       | 10/26/2015 21:23 | <a href="#">WG824439</a> |
| Carbon disulfide     | U      |           | 6.88 | 25.0 | 25       | 10/26/2015 21:23 | <a href="#">WG824439</a> |
| Carbon tetrachloride | U      |           | 9.48 | 25.0 | 25       | 10/26/2015 21:23 | <a href="#">WG824439</a> |
| Chlorobenzene        | U      |           | 8.70 | 25.0 | 25       | 10/26/2015 21:23 | <a href="#">WG824439</a> |
| Chlorodibromomethane | U      |           | 8.18 | 25.0 | 25       | 10/26/2015 21:23 | <a href="#">WG824439</a> |
| Chloroethane         | U      |           | 11.3 | 125  | 25       | 10/26/2015 21:23 | <a href="#">WG824439</a> |
| Chloroform           | U      |           | 8.10 | 125  | 25       | 10/26/2015 21:23 | <a href="#">WG824439</a> |
| Chloromethane        | U      |           | 6.90 | 62.5 | 25       | 10/26/2015 21:23 | <a href="#">WG824439</a> |
| 1,2-Dibromoethane    | U      |           | 9.52 | 25.0 | 25       | 10/26/2015 21:23 | <a href="#">WG824439</a> |
| 1,1-Dichloroethane   | U      |           | 6.48 | 25.0 | 25       | 10/26/2015 21:23 | <a href="#">WG824439</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 9.02        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| 1,1-Dichloroethene          | U              |           | 9.95        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| cis-1,2-Dichloroethene      | U              |           | 6.50        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| trans-1,2-Dichloroethene    | U              |           | 9.90        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| 1,2-Dichloropropane         | U              |           | 7.65        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| cis-1,3-Dichloropropene     | U              |           | 10.4        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| trans-1,3-Dichloropropene   | U              |           | 10.5        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| Ethylbenzene                | 551            |           | 9.60        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| Isopropylbenzene            | 55.9           |           | 8.15        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| p-Isopropyltoluene          | 12.2           | U         | 8.75        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| 2-Butanone (MEK)            | U              |           | 98.2        | 250         | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| 2-Hexanone                  | U              |           | 95.5        | 250         | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| Methylene Chloride          | U              |           | 25.0        | 125         | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 53.5        | 250         | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| Methyl tert-butyl ether     | 3960           |           | 9.18        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| Naphthalene                 | 45.3           | U         | 25.0        | 125         | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| n-Propylbenzene             | 76.8           |           | 8.72        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| Styrene                     | U              |           | 7.68        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 9.62        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 3.25        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| Tetrachloroethene           | U              |           | 9.30        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| Toluene                     | 221            |           | 19.5        | 125         | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| 1,1,1-Trichloroethane       | U              |           | 7.98        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| 1,1,2-Trichloroethane       | U              |           | 9.58        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| Trichloroethene             | U              |           | 9.95        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| 1,2,4-Trimethylbenzene      | 400            |           | 9.32        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| 1,3,5-Trimethylbenzene      | 16.9           | U         | 9.68        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| Vinyl chloride              | U              |           | 6.48        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| o-Xylene                    | 95.3           |           | 8.52        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| m&p-Xylene                  | 509            |           | 18.0        | 25.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| Xylenes, Total              | 604            |           | 26.5        | 75.0        | 25       | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| (S) Toluene-d8              | 103            |           |             | 90.0-115    |          | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| (S) Dibromofluoromethane    | 104            |           |             | 79.0-121    |          | 10/26/2015 21:23        | <a href="#">WG824439</a> |
| (S) 4-Bromofluorobenzene    | 99.8           |           |             | 80.1-120    |          | 10/26/2015 21:23        | <a href="#">WG824439</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 1870           |           | 24.7        | 100         | 1        | 10/28/2015 00:21        | <a href="#">WG824381</a> |
| (S) o-Terphenyl            | 76.8           |           |             | 50.0-150    |          | 10/28/2015 00:21        | <a href="#">WG824381</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 1390000 |           | 2820 | 10000 | 1        | 10/28/2015 05:06 | <a href="#">WG824462</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 11/02/2015 11:25 | <a href="#">WG825537</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|-------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l  |          | date / time      |                          |
| Chloride | 297000 |           | 2600 | 50000 | 50       | 10/27/2015 20:52 | <a href="#">WG824304</a> |
| Fluoride | 1670   |           | 9.90 | 100   | 1        | 10/27/2015 19:35 | <a href="#">WG824304</a> |
| Sulfate  | 102000 |           | 155  | 10000 | 2        | 10/28/2015 08:04 | <a href="#">WG824304</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 8.83   |           | 0.250 | 2.00 | 1        | 10/29/2015 01:49 | <a href="#">WG824873</a> |
| Barium    | 1550   |           | 0.360 | 5.00 | 1        | 10/29/2015 01:49 | <a href="#">WG824873</a> |
| Calcium   | 176000 |           | 46.0  | 1000 | 1        | 10/29/2015 01:49 | <a href="#">WG824873</a> |
| Chromium  | 0.625  | J         | 0.540 | 2.00 | 1        | 10/29/2015 01:49 | <a href="#">WG824873</a> |
| Iron      | 368    |           | 15.0  | 100  | 1        | 10/29/2015 01:49 | <a href="#">WG824873</a> |
| Lead      | 0.259  | J         | 0.240 | 2.00 | 1        | 10/29/2015 01:49 | <a href="#">WG824873</a> |
| Manganese | 178    |           | 0.250 | 5.00 | 1        | 10/29/2015 01:49 | <a href="#">WG824873</a> |
| Potassium | 880    | J         | 37.0  | 1000 | 1        | 10/29/2015 01:49 | <a href="#">WG824873</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/29/2015 01:49 | <a href="#">WG824873</a> |
| Sodium    | 76900  |           | 110   | 1000 | 1        | 10/29/2015 01:49 | <a href="#">WG824873</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 14900  |           | 157  | 500      | 5        | 10/29/2015 16:40 | <a href="#">WG824638</a> |
| (S) a,a,a-Trifluorotoluene(FID) 93.0 |        |           |      | 62.0-128 |          | 10/29/2015 16:40 | <a href="#">WG824638</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 1000 | 5000 | 100      | 10/26/2015 21:46 | <a href="#">WG824439</a> |
| Benzene              | 6290   |           | 33.1 | 100  | 100      | 10/26/2015 21:46 | <a href="#">WG824439</a> |
| Bromodichloromethane | U      |           | 38.0 | 100  | 100      | 10/26/2015 21:46 | <a href="#">WG824439</a> |
| Bromoform            | U      |           | 46.9 | 100  | 100      | 10/26/2015 21:46 | <a href="#">WG824439</a> |
| Bromomethane         | U      |           | 86.6 | 500  | 100      | 10/26/2015 21:46 | <a href="#">WG824439</a> |
| n-Butylbenzene       | U      |           | 36.1 | 100  | 100      | 10/26/2015 21:46 | <a href="#">WG824439</a> |
| sec-Butylbenzene     | U      |           | 36.5 | 100  | 100      | 10/26/2015 21:46 | <a href="#">WG824439</a> |
| Carbon disulfide     | U      |           | 27.5 | 100  | 100      | 10/26/2015 21:46 | <a href="#">WG824439</a> |
| Carbon tetrachloride | U      |           | 37.9 | 100  | 100      | 10/26/2015 21:46 | <a href="#">WG824439</a> |
| Chlorobenzene        | U      |           | 34.8 | 100  | 100      | 10/26/2015 21:46 | <a href="#">WG824439</a> |
| Chlorodibromomethane | U      |           | 32.7 | 100  | 100      | 10/26/2015 21:46 | <a href="#">WG824439</a> |
| Chloroethane         | U      |           | 45.3 | 500  | 100      | 10/26/2015 21:46 | <a href="#">WG824439</a> |
| Chloroform           | U      |           | 32.4 | 500  | 100      | 10/26/2015 21:46 | <a href="#">WG824439</a> |
| Chloromethane        | U      |           | 27.6 | 250  | 100      | 10/26/2015 21:46 | <a href="#">WG824439</a> |
| 1,2-Dibromoethane    | U      |           | 38.1 | 100  | 100      | 10/26/2015 21:46 | <a href="#">WG824439</a> |
| 1,1-Dichloroethane   | U      |           | 25.9 | 100  | 100      | 10/26/2015 21:46 | <a href="#">WG824439</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 36.1        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| 1,1-Dichloroethene          | U              |           | 39.8        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| cis-1,2-Dichloroethene      | U              |           | 26.0        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| trans-1,2-Dichloroethene    | U              |           | 39.6        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| 1,2-Dichloropropane         | U              |           | 30.6        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| cis-1,3-Dichloropropene     | U              |           | 41.8        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| trans-1,3-Dichloropropene   | U              |           | 41.9        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| Ethylbenzene                | 40.3           | L         | 38.4        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| Isopropylbenzene            | 45.4           | L         | 32.6        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| p-Isopropyltoluene          | U              |           | 35.0        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| 2-Butanone (MEK)            | U              |           | 393         | 1000        | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| 2-Hexanone                  | U              |           | 382         | 1000        | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| Methylene Chloride          | U              |           | 100         | 500         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 214         | 1000        | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| Methyl tert-butyl ether     | 2770           |           | 36.7        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| Naphthalene                 | U              |           | 100         | 500         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| n-Propylbenzene             | 68.9           | L         | 34.9        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| Styrene                     | U              |           | 30.7        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 38.5        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 13.0        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| Tetrachloroethene           | U              |           | 37.2        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| Toluene                     | U              |           | 78.0        | 500         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| 1,1,1-Trichloroethane       | U              |           | 31.9        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| 1,1,2-Trichloroethane       | U              |           | 38.3        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| Trichloroethene             | U              |           | 39.8        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| 1,2,4-Trimethylbenzene      | 100            |           | 37.3        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 38.7        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| Vinyl chloride              | U              |           | 25.9        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| o-Xylene                    | 43.1           | L         | 34.1        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| m&p-Xylene                  | 86.7           | L         | 71.9        | 100         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| Xylenes, Total              | 130            | L         | 106         | 300         | 100      | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| (S) Toluene-d8              | 102            |           |             | 90.0-115    |          | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| (S) Dibromofluoromethane    | 96.7           |           |             | 79.0-121    |          | 10/26/2015 21:46        | <a href="#">WG824439</a> |
| (S) 4-Bromofluorobenzene    | 102            |           |             | 80.1-120    |          | 10/26/2015 21:46        | <a href="#">WG824439</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 4720           |           | 24.7        | 100         | 1        | 10/28/2015 00:39        | <a href="#">WG824381</a> |
| (S) o-Terphenyl            | 81.7           |           |             | 50.0-150    |          | 10/28/2015 00:39        | <a href="#">WG824381</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 1560000 |           | 2820 | 10000 | 1        | 10/28/2015 05:04 | <a href="#">WG824462</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 11/02/2015 11:27 | <a href="#">WG825537</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|--------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l   |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 282000 |           | 2600 | 50000  | 50       | 10/27/2015 21:08 | <a href="#">WG824304</a> |
| Fluoride | 1220   |           | 9.90 | 100    | 1        | 10/27/2015 19:51 | <a href="#">WG824304</a> |
| Sulfate  | 280000 |           | 3870 | 250000 | 50       | 10/27/2015 21:08 | <a href="#">WG824304</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 55.2   |           | 0.250 | 2.00 | 1        | 10/29/2015 01:52 | <a href="#">WG824873</a> |
| Barium    | 77.2   |           | 0.360 | 5.00 | 1        | 10/29/2015 01:52 | <a href="#">WG824873</a> |
| Calcium   | 202000 |           | 46.0  | 1000 | 1        | 10/29/2015 01:52 | <a href="#">WG824873</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/29/2015 01:52 | <a href="#">WG824873</a> |
| Iron      | 2650   |           | 15.0  | 100  | 1        | 10/29/2015 01:52 | <a href="#">WG824873</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/29/2015 01:52 | <a href="#">WG824873</a> |
| Manganese | 2310   |           | 0.250 | 5.00 | 1        | 10/29/2015 01:52 | <a href="#">WG824873</a> |
| Potassium | 341    | J         | 37.0  | 1000 | 1        | 10/29/2015 01:52 | <a href="#">WG824873</a> |
| Selenium  | U      |           | 0.380 | 2.00 | 1        | 10/29/2015 01:52 | <a href="#">WG824873</a> |
| Sodium    | 105000 |           | 110   | 1000 | 1        | 10/29/2015 01:52 | <a href="#">WG824873</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 644    |           | 31.4 | 100      | 1        | 10/29/2015 09:23 | <a href="#">WG825223</a> |
| (S) a,a,q-Trifluorotoluene(FID) 93.7 |        |           |      | 62.0-128 |          | 10/29/2015 09:23 | <a href="#">WG825223</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 200  | 1000 | 20       | 10/29/2015 02:40 | <a href="#">WG825221</a> |
| Benzene              | 29.7   |           | 6.62 | 20.0 | 20       | 10/29/2015 02:40 | <a href="#">WG825221</a> |
| Bromodichloromethane | U      |           | 7.60 | 20.0 | 20       | 10/29/2015 02:40 | <a href="#">WG825221</a> |
| Bromoform            | U      |           | 9.38 | 20.0 | 20       | 10/29/2015 02:40 | <a href="#">WG825221</a> |
| Bromomethane         | U      |           | 17.3 | 100  | 20       | 10/29/2015 02:40 | <a href="#">WG825221</a> |
| n-Butylbenzene       | U      |           | 7.22 | 20.0 | 20       | 10/29/2015 02:40 | <a href="#">WG825221</a> |
| sec-Butylbenzene     | U      |           | 7.30 | 20.0 | 20       | 10/29/2015 02:40 | <a href="#">WG825221</a> |
| Carbon disulfide     | U      |           | 5.50 | 20.0 | 20       | 10/29/2015 02:40 | <a href="#">WG825221</a> |
| Carbon tetrachloride | U      |           | 7.58 | 20.0 | 20       | 10/29/2015 02:40 | <a href="#">WG825221</a> |
| Chlorobenzene        | U      |           | 6.96 | 20.0 | 20       | 10/29/2015 02:40 | <a href="#">WG825221</a> |
| Chlorodibromomethane | U      |           | 6.54 | 20.0 | 20       | 10/29/2015 02:40 | <a href="#">WG825221</a> |
| Chloroethane         | U      |           | 9.06 | 100  | 20       | 10/29/2015 02:40 | <a href="#">WG825221</a> |
| Chloroform           | U      |           | 6.48 | 100  | 20       | 10/29/2015 02:40 | <a href="#">WG825221</a> |
| Chloromethane        | U      |           | 5.52 | 50.0 | 20       | 10/29/2015 02:40 | <a href="#">WG825221</a> |
| 1,2-Dibromoethane    | U      |           | 7.62 | 20.0 | 20       | 10/29/2015 02:40 | <a href="#">WG825221</a> |
| 1,1-Dichloroethane   | U      |           | 5.18 | 20.0 | 20       | 10/29/2015 02:40 | <a href="#">WG825221</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 7.22        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| 1,1-Dichloroethene          | U              |           | 7.96        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| cis-1,2-Dichloroethene      | U              |           | 5.20        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| trans-1,2-Dichloroethene    | U              |           | 7.92        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| 1,2-Dichloropropane         | U              |           | 6.12        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| cis-1,3-Dichloropropene     | U              |           | 8.36        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| trans-1,3-Dichloropropene   | U              |           | 8.38        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| Ethylbenzene                | U              |           | 7.68        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| Isopropylbenzene            | U              |           | 6.52        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| p-Isopropyltoluene          | U              |           | 7.00        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| 2-Butanone (MEK)            | U              |           | 78.6        | 200         | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| 2-Hexanone                  | U              |           | 76.4        | 200         | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| Methylene Chloride          | U              |           | 20.0        | 100         | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 42.8        | 200         | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| Methyl tert-butyl ether     | 860            |           | 7.34        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| Naphthalene                 | U              |           | 20.0        | 100         | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| n-Propylbenzene             | U              |           | 6.98        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| Styrene                     | U              |           | 6.14        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 7.70        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 2.60        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| Tetrachloroethene           | U              |           | 7.44        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| Toluene                     | U              |           | 15.6        | 100         | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| 1,1,1-Trichloroethane       | U              |           | 6.38        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| 1,1,2-Trichloroethane       | U              |           | 7.66        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| Trichloroethene             | U              | *         | 7.96        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 7.46        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 7.74        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| Vinyl chloride              | U              |           | 5.18        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| o-Xylene                    | U              |           | 6.82        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| m&p-Xylene                  | U              |           | 14.4        | 20.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| Xylenes, Total              | U              |           | 21.2        | 60.0        | 20       | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| (S) Toluene-d8              | 100            |           |             | 90.0-115    |          | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| (S) Dibromofluoromethane    | 91.2           |           |             | 79.0-121    |          | 10/29/2015 02:40        | <a href="#">WG825221</a> |
| (S) 4-Bromofluorobenzene    | 103            |           |             | 80.1-120    |          | 10/29/2015 02:40        | <a href="#">WG825221</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 1780           |           | 24.7        | 100         | 1        | 10/28/2015 00:56        | <a href="#">WG824381</a> |
| (S) o-Terphenyl            | 90.3           |           |             | 50.0-150    |          | 10/28/2015 00:56        | <a href="#">WG824381</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 4200000 |           | 2820 | 10000 | 1        | 10/28/2015 05:08 | <a href="#">WG824462</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | 348    | J         | 197  | 1000 | 10       | 11/02/2015 11:28 | <a href="#">WG825537</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 316000  |           | 2600 | 50000  | 50       | 10/27/2015 21:23 | <a href="#">WG824304</a> |
| Fluoride | 1220    |           | 9.90 | 100    | 1        | 10/27/2015 20:06 | <a href="#">WG824304</a> |
| Sulfate  | 2750000 |           | 3870 | 250000 | 50       | 10/27/2015 21:23 | <a href="#">WG824304</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 4.40   |           | 0.250 | 2.00 | 1        | 10/29/2015 01:54 | <a href="#">WG824873</a> |
| Barium    | 9.11   |           | 0.360 | 5.00 | 1        | 10/29/2015 01:54 | <a href="#">WG824873</a> |
| Calcium   | 524000 |           | 46.0  | 1000 | 1        | 10/29/2015 01:54 | <a href="#">WG824873</a> |
| Chromium  | U      |           | 0.540 | 2.00 | 1        | 10/29/2015 01:54 | <a href="#">WG824873</a> |
| Iron      | 19.6   | J         | 15.0  | 100  | 1        | 10/29/2015 01:54 | <a href="#">WG824873</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/29/2015 01:54 | <a href="#">WG824873</a> |
| Manganese | 371    |           | 0.250 | 5.00 | 1        | 10/29/2015 01:54 | <a href="#">WG824873</a> |
| Potassium | 1310   |           | 37.0  | 1000 | 1        | 10/29/2015 01:54 | <a href="#">WG824873</a> |
| Selenium  | 4.09   |           | 0.380 | 2.00 | 1        | 10/29/2015 01:54 | <a href="#">WG824873</a> |
| Sodium    | 224000 |           | 110   | 1000 | 1        | 10/29/2015 01:54 | <a href="#">WG824873</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/28/2015 13:17 | <a href="#">WG825038</a> |
| (S) a,a,a-Trifluorotoluene(FID) 97.1 |        |           |      | 62.0-128 |          | 10/28/2015 13:17 | <a href="#">WG825038</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/29/2015 02:59 | <a href="#">WG825221</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/29/2015 02:59 | <a href="#">WG825221</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/29/2015 02:59 | <a href="#">WG825221</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/29/2015 02:59 | <a href="#">WG825221</a> |
| Bromomethane         | U      |           | 0.866 | 5.00 | 1        | 10/29/2015 02:59 | <a href="#">WG825221</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/29/2015 02:59 | <a href="#">WG825221</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/29/2015 02:59 | <a href="#">WG825221</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/29/2015 02:59 | <a href="#">WG825221</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/29/2015 02:59 | <a href="#">WG825221</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/29/2015 02:59 | <a href="#">WG825221</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/29/2015 02:59 | <a href="#">WG825221</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/29/2015 02:59 | <a href="#">WG825221</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/29/2015 02:59 | <a href="#">WG825221</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/29/2015 02:59 | <a href="#">WG825221</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/29/2015 02:59 | <a href="#">WG825221</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/29/2015 02:59 | <a href="#">WG825221</a> |





Collected date/time: 10/20/15 10:55

L796154

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| Trichloroethene             | U              | *         | 0.398       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| (S) Toluene-d8              | 103            |           |             | 90.0-115    |          | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| (S) Dibromofluoromethane    | 91.6           |           |             | 79.0-121    |          | 10/29/2015 02:59        | <a href="#">WG825221</a> |
| (S) 4-Bromofluorobenzene    | 101            |           |             | 80.1-120    |          | 10/29/2015 02:59        | <a href="#">WG825221</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 52.3           | J         | 24.7        | 100         | 1        | 10/28/2015 01:14        | <a href="#">WG824381</a> |
| (S) o-Terphenyl            | 82.5           |           |             | 50.0-150    |          | 10/28/2015 01:14        | <a href="#">WG824381</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 3800000 |           | 2820 | 10000 | 1        | 10/28/2015 05:03 | <a href="#">WG824462</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 11/02/2015 11:29 | <a href="#">WG825537</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 223000  |           | 2600 | 50000  | 50       | 10/27/2015 21:39 | <a href="#">WG824304</a> |
| Fluoride | 2800    |           | 9.90 | 100    | 1        | 10/27/2015 20:22 | <a href="#">WG824304</a> |
| Sulfate  | 2280000 |           | 3870 | 250000 | 50       | 10/27/2015 21:39 | <a href="#">WG824304</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 8.25   |           | 0.250 | 2.00 | 1        | 10/29/2015 01:56 | <a href="#">WG824873</a> |
| Barium    | 43.4   |           | 0.360 | 5.00 | 1        | 10/29/2015 01:56 | <a href="#">WG824873</a> |
| Calcium   | 644000 |           | 92.0  | 2000 | 2        | 10/29/2015 10:50 | <a href="#">WG824873</a> |
| Chromium  | 5.42   |           | 0.540 | 2.00 | 1        | 10/29/2015 01:56 | <a href="#">WG824873</a> |
| Iron      | 2450   |           | 15.0  | 100  | 1        | 10/29/2015 01:56 | <a href="#">WG824873</a> |
| Lead      | 1.83   | J         | 0.240 | 2.00 | 1        | 10/29/2015 01:56 | <a href="#">WG824873</a> |
| Manganese | 81.5   |           | 0.250 | 5.00 | 1        | 10/29/2015 01:56 | <a href="#">WG824873</a> |
| Potassium | 5670   |           | 37.0  | 1000 | 1        | 10/29/2015 01:56 | <a href="#">WG824873</a> |
| Selenium  | 0.668  | J         | 0.380 | 2.00 | 1        | 10/29/2015 01:56 | <a href="#">WG824873</a> |
| Sodium    | 145000 |           | 110   | 1000 | 1        | 10/29/2015 01:56 | <a href="#">WG824873</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | U      |           | 31.4 | 100      | 1        | 10/28/2015 13:39 | <a href="#">WG825038</a> |
| (S) a,a,a-Trifluorotoluene(FID) 97.4 |        |           |      | 62.0-128 |          | 10/28/2015 13:39 | <a href="#">WG825038</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/29/2015 03:19 | <a href="#">WG825221</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/29/2015 03:19 | <a href="#">WG825221</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/29/2015 03:19 | <a href="#">WG825221</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/29/2015 03:19 | <a href="#">WG825221</a> |
| Bromomethane         | U      |           | 0.866 | 5.00 | 1        | 10/29/2015 03:19 | <a href="#">WG825221</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/29/2015 03:19 | <a href="#">WG825221</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/29/2015 03:19 | <a href="#">WG825221</a> |
| Carbon disulfide     | U      |           | 0.275 | 1.00 | 1        | 10/29/2015 03:19 | <a href="#">WG825221</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/29/2015 03:19 | <a href="#">WG825221</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/29/2015 03:19 | <a href="#">WG825221</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/29/2015 03:19 | <a href="#">WG825221</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/29/2015 03:19 | <a href="#">WG825221</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/29/2015 03:19 | <a href="#">WG825221</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/29/2015 03:19 | <a href="#">WG825221</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/29/2015 03:19 | <a href="#">WG825221</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/29/2015 03:19 | <a href="#">WG825221</a> |



Collected date/time: 10/20/15 15:55

L796154

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| Trichloroethene             | U              | *         | 0.398       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| (S) Toluene-d8              | 101            |           |             | 90.0-115    |          | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| (S) Dibromofluoromethane    | 93.1           |           |             | 79.0-121    |          | 10/29/2015 03:19        | <a href="#">WG825221</a> |
| (S) 4-Bromofluorobenzene    | 105            |           |             | 80.1-120    |          | 10/29/2015 03:19        | <a href="#">WG825221</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 60.7           | J         | 24.7        | 100         | 1        | 10/28/2015 01:32        | <a href="#">WG824381</a> |
| (S) o-Terphenyl            | 79.5           |           |             | 50.0-150    |          | 10/28/2015 01:32        | <a href="#">WG824381</a> |



## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result  | Qualifier | MDL  | RDL   | Dilution | Analysis         | Batch                    |
|------------------|---------|-----------|------|-------|----------|------------------|--------------------------|
|                  | ug/l    |           | ug/l | ug/l  |          | date / time      |                          |
| Dissolved Solids | 4640000 |           | 2820 | 10000 | 1        | 10/28/2015 05:06 | <a href="#">WG824462</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 353.2

| Analyte         | Result | Qualifier | MDL  | RDL  | Dilution | Analysis         | Batch                    |
|-----------------|--------|-----------|------|------|----------|------------------|--------------------------|
|                 | ug/l   |           | ug/l | ug/l |          | date / time      |                          |
| Nitrate-Nitrite | U      |           | 197  | 1000 | 10       | 11/02/2015 11:30 | <a href="#">WG825537</a> |

## Wet Chemistry by Method 9056MOD

| Analyte  | Result  | Qualifier | MDL  | RDL    | Dilution | Analysis         | Batch                    |
|----------|---------|-----------|------|--------|----------|------------------|--------------------------|
|          | ug/l    |           | ug/l | ug/l   |          | date / time      |                          |
| Chloride | 326000  |           | 2600 | 50000  | 50       | 10/27/2015 22:40 | <a href="#">WG824304</a> |
| Fluoride | 2800    |           | 9.90 | 100    | 1        | 10/27/2015 22:25 | <a href="#">WG824304</a> |
| Sulfate  | 3640000 |           | 3870 | 250000 | 50       | 10/27/2015 22:40 | <a href="#">WG824304</a> |

## Metals (ICPMS) by Method 6020

| Analyte   | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|-----------|--------|-----------|-------|------|----------|------------------|--------------------------|
|           | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Arsenic   | 7.61   |           | 0.250 | 2.00 | 1        | 10/29/2015 01:19 | <a href="#">WG824873</a> |
| Barium    | 11.9   |           | 0.360 | 5.00 | 1        | 10/29/2015 01:19 | <a href="#">WG824873</a> |
| Calcium   | 532000 | <u>4</u>  | 46.0  | 1000 | 1        | 10/29/2015 01:19 | <a href="#">WG824873</a> |
| Chromium  | 0.763  | <u>J</u>  | 0.540 | 2.00 | 1        | 10/29/2015 01:19 | <a href="#">WG824873</a> |
| Iron      | 36.7   | <u>J</u>  | 15.0  | 100  | 1        | 10/29/2015 01:19 | <a href="#">WG824873</a> |
| Lead      | U      |           | 0.240 | 2.00 | 1        | 10/29/2015 01:19 | <a href="#">WG824873</a> |
| Manganese | 124    |           | 0.250 | 5.00 | 1        | 10/29/2015 01:19 | <a href="#">WG824873</a> |
| Potassium | 578    | <u>J</u>  | 37.0  | 1000 | 1        | 10/29/2015 01:19 | <a href="#">WG824873</a> |
| Selenium  | 0.590  | <u>J</u>  | 0.380 | 2.00 | 1        | 10/29/2015 01:19 | <a href="#">WG824873</a> |
| Sodium    | 320000 | <u>4</u>  | 110   | 1000 | 1        | 10/29/2015 01:19 | <a href="#">WG824873</a> |

## Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte                              | Result | Qualifier | MDL  | RDL      | Dilution | Analysis         | Batch                    |
|--------------------------------------|--------|-----------|------|----------|----------|------------------|--------------------------|
|                                      | ug/l   |           | ug/l | ug/l     |          | date / time      |                          |
| TPH (GC/FID) Low Fraction            | 32.4   | <u>J</u>  | 31.4 | 100      | 1        | 10/29/2015 15:56 | <a href="#">WG824638</a> |
| (S) a,a,a-Trifluorotoluene(FID) 92.8 |        |           |      | 62.0-128 |          | 10/29/2015 15:56 | <a href="#">WG824638</a> |

## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte              | Result | Qualifier | MDL   | RDL  | Dilution | Analysis         | Batch                    |
|----------------------|--------|-----------|-------|------|----------|------------------|--------------------------|
|                      | ug/l   |           | ug/l  | ug/l |          | date / time      |                          |
| Acetone              | U      |           | 10.0  | 50.0 | 1        | 10/28/2015 22:08 | <a href="#">WG825221</a> |
| Benzene              | U      |           | 0.331 | 1.00 | 1        | 10/28/2015 22:08 | <a href="#">WG825221</a> |
| Bromodichloromethane | U      |           | 0.380 | 1.00 | 1        | 10/28/2015 22:08 | <a href="#">WG825221</a> |
| Bromoform            | U      |           | 0.469 | 1.00 | 1        | 10/28/2015 22:08 | <a href="#">WG825221</a> |
| Bromomethane         | U      |           | 0.866 | 5.00 | 1        | 10/28/2015 22:08 | <a href="#">WG825221</a> |
| n-Butylbenzene       | U      |           | 0.361 | 1.00 | 1        | 10/28/2015 22:08 | <a href="#">WG825221</a> |
| sec-Butylbenzene     | U      |           | 0.365 | 1.00 | 1        | 10/28/2015 22:08 | <a href="#">WG825221</a> |
| Carbon disulfide     | U      | <u>F</u>  | 0.275 | 1.00 | 1        | 10/28/2015 22:08 | <a href="#">WG825221</a> |
| Carbon tetrachloride | U      |           | 0.379 | 1.00 | 1        | 10/28/2015 22:08 | <a href="#">WG825221</a> |
| Chlorobenzene        | U      |           | 0.348 | 1.00 | 1        | 10/28/2015 22:08 | <a href="#">WG825221</a> |
| Chlorodibromomethane | U      |           | 0.327 | 1.00 | 1        | 10/28/2015 22:08 | <a href="#">WG825221</a> |
| Chloroethane         | U      |           | 0.453 | 5.00 | 1        | 10/28/2015 22:08 | <a href="#">WG825221</a> |
| Chloroform           | U      |           | 0.324 | 5.00 | 1        | 10/28/2015 22:08 | <a href="#">WG825221</a> |
| Chloromethane        | U      |           | 0.276 | 2.50 | 1        | 10/28/2015 22:08 | <a href="#">WG825221</a> |
| 1,2-Dibromoethane    | U      |           | 0.381 | 1.00 | 1        | 10/28/2015 22:08 | <a href="#">WG825221</a> |
| 1,1-Dichloroethane   | U      |           | 0.259 | 1.00 | 1        | 10/28/2015 22:08 | <a href="#">WG825221</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|-----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| 1,2-Dichloroethane          | U              |           | 0.361       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| 1,1-Dichloroethene          | U              |           | 0.398       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| cis-1,2-Dichloroethene      | U              |           | 0.260       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| trans-1,2-Dichloroethene    | U              |           | 0.396       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| 1,2-Dichloropropane         | U              |           | 0.306       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| cis-1,3-Dichloropropene     | U              |           | 0.418       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| trans-1,3-Dichloropropene   | U              |           | 0.419       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| Ethylbenzene                | U              |           | 0.384       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| Isopropylbenzene            | U              |           | 0.326       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| p-Isopropyltoluene          | U              |           | 0.350       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| 2-Butanone (MEK)            | U              |           | 3.93        | 10.0        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| 2-Hexanone                  | U              |           | 3.82        | 10.0        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| Methylene Chloride          | U              |           | 1.00        | 5.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| 4-Methyl-2-pentanone (MIBK) | U              |           | 2.14        | 10.0        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| Methyl tert-butyl ether     | U              |           | 0.367       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| Naphthalene                 | U              |           | 1.00        | 5.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| n-Propylbenzene             | U              |           | 0.349       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| Styrene                     | U              |           | 0.307       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| 1,1,1,2-Tetrachloroethane   | U              |           | 0.385       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| 1,1,2,2-Tetrachloroethane   | U              |           | 0.130       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| Tetrachloroethene           | U              |           | 0.372       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| Toluene                     | U              |           | 0.780       | 5.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| 1,1,1-Trichloroethane       | U              |           | 0.319       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| 1,1,2-Trichloroethane       | U              |           | 0.383       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| Trichloroethene             | U              | *         | 0.398       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| 1,2,4-Trimethylbenzene      | U              |           | 0.373       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| 1,3,5-Trimethylbenzene      | U              |           | 0.387       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| Vinyl chloride              | U              |           | 0.259       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| o-Xylene                    | U              |           | 0.341       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| m&p-Xylene                  | U              |           | 0.719       | 1.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| Xylenes, Total              | U              |           | 1.06        | 3.00        | 1        | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| (S) Toluene-d8              | 101            |           |             | 90.0-115    |          | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| (S) Dibromofluoromethane    | 92.8           |           |             | 79.0-121    |          | 10/28/2015 22:08        | <a href="#">WG825221</a> |
| (S) 4-Bromofluorobenzene    | 105            |           |             | 80.1-120    |          | 10/28/2015 22:08        | <a href="#">WG825221</a> |

|      |
|------|
| 1 Cp |
| 2 Tc |
| 3 Ss |
| 4 Cn |
| 5 Sr |
| 6 Qc |
| 7 Gl |
| 8 Al |
| 9 Sc |

## Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte                    | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                    |
|----------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|--------------------------|
| TPH (GC/FID) High Fraction | 103            |           | 24.7        | 100         | 1        | 10/28/2015 01:50        | <a href="#">WG824381</a> |
| (S) o-Terphenyl            | 81.2           |           |             | 50.0-150    |          | 10/28/2015 01:50        | <a href="#">WG824381</a> |

Method Blank (MB)

(MB) 10/27/15 14:15

|                  | MB Result | MB Qualifier | MB MDL | MB RDL |
|------------------|-----------|--------------|--------|--------|
| Analyte          | mg/l      |              | mg/l   | mg/l   |
| Dissolved Solids | U         |              | 2.82   | 10.0   |

L796143-13 Original Sample (OS) • Duplicate (DUP)

(OS) 10/27/15 14:18 • (DUP) 10/27/15 14:16

|                  | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte          | mg/l            | mg/l       |          | %       |               | %              |
| Dissolved Solids | 5490            | 5430       | 1        | 1.10    |               | 5              |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/27/15 14:15 • (LCSD) 10/27/15 14:16

|                  | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD   | RPD Limits |
|------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| Analyte          | mg/l         | mg/l       | mg/l        | %        | %         | %           |               |                | %     | %          |
| Dissolved Solids | 8800         | 8600       | 8560        | 97.7     | 97.3      | 85.0-115    |               |                | 0.466 | 5          |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) 10/28/15 05:02

| Analyte          | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|------------------|-------------------|--------------|----------------|----------------|
| Dissolved Solids | U                 |              | 2.82           | 10.0           |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L796154-05 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 05:08 • (DUP) 10/28/15 05:07

| Analyte          | Original Result<br>mg/l | DUP Result<br>mg/l | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD Limits<br>% |
|------------------|-------------------------|--------------------|----------|--------------|---------------|---------------------|
| Dissolved Solids | 20.0                    | 20.0               | 1        | 0.000        |               | 5                   |

L796347-04 Original Sample (OS) • Duplicate (DUP)

(OS) 10/28/15 05:05 • (DUP) 10/28/15 05:04

| Analyte          | Original Result<br>mg/l | DUP Result<br>mg/l | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD Limits<br>% |
|------------------|-------------------------|--------------------|----------|--------------|---------------|---------------------|
| Dissolved Solids | 698                     | 696                | 1        | 0.287        |               | 5                   |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 10/28/15 05:03 • (LCSD) 10/28/15 05:09

| Analyte          | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Dissolved Solids | 8800                 | 8230               | 8410                | 93.5          | 95.6           | 85.0-115         |               |                | 2.16     | 5               |