

A.2 Soil Analytical Results Table
A to Z Sales & Service – LGU BRRTS #03-59-190963

| Sample ID | Depth (feet) | Saturation U/S | Date | PID | Lead (ppm) | GRO (ppm) | DIRECT CONTACT (PVOC & PAH) | | | | | | | | | | Exceedance Count | Hazard Index | Cumulative Cancer Risk |
|---|--------------|----------------|----------|--------|--------------|-----------|-----------------------------|---------------------|--------------|-------------------|---------------|-------------------------------|-------------------------------|----------------------|-------------------|----------|------------------|--------------|------------------------|
| | | | | | | | Benzene (ppm) | Ethyl Benzene (ppm) | MTBE (ppm) | Naphthalene (ppm) | Toluene (ppm) | 1,2,4-Trime-thylbenzene (ppm) | 1,3,5-Trime-thylbenzene (ppm) | Xylene (Total) (ppm) | Other VOC's (ppb) | | | | |
| B-1-2 | 2-3 | U | 04/29/02 | 0.00 | 3.37 | NS | <0.025 | <0.025 | <0.025 | NS | <0.025 | <0.025 | <0.025 | <0.025 | NS | 0 | 0.0004 | 1.9E-08 | |
| B-2-2 | 2-3 | U | 04/29/02 | 0.00 | 4.21 | NS | <0.025 | <0.025 | <0.025 | NS | <0.025 | <0.025 | <0.025 | <0.025 | NS | 0 | 0.0004 | 1.9E-08 | |
| B-3-2 | 2-3 | U | 04/29/02 | 0.00 | 6.89 | NS | <0.025 | 0.0299 | <0.025 | NS | <0.025 | 0.106 | 0.0355 | 0.146 | NS | 0 | 0.0004 | 1.9E-08 | |
| G-1-1 | 3.5 | U | 06/19/17 | 3.1 | 2.57 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 | |
| G-1-2 | 8 | U | 06/19/17 | 16.3 | NS | NS | <0.025 | 0.088 | <0.025 | <0.025 | <0.025 | 0.299 | 0.111 | 0.539 | NS | | | | |
| G-1-3 | 11.5 | U | 06/19/17 | 257.0 | NS | NS | 0.099 | 0.93 | <0.025 | 0.77 | 0.216 | 3.3 | 1.14 | 5.02 | NS | | | | |
| G-2-1 | 3.5 | U | 06/19/17 | 35.4 | 3.21 | NS | 1.34 | 8.9 | <0.25 | 22 | 2.41 | 64 | 28.5 | 46.8 | NS | <u>2</u> | 0.4517 | 5.9E-06 | |
| G-2-2 | 7 | U | 06/19/17 | 2179.0 | NS | NS | <0.3 | 7.5 | <0.5 | 5.4 | 5.0 | 34 | 9.9 | 43.5 | SEE VOC SHEET | | | | |
| G-2-3 | 10 | U | 06/19/17 | 1143.0 | NS | NS | 0.043 | 1.27 | <0.025 | 1.37 | 0.69 | 6.4 | 2.09 | 7.43 | NS | | | | |
| G-3-1 | 3.5 | U | 06/19/17 | 2.4 | 15.8 | NS | <0.025 | 0.050 | <0.025 | 0.0172 | 0.065 | 0.121 | 0.041 | 0.225 | NS | 0 | 0.0007 | 9.4E-09 | |
| G-3-2 | 4-8 | U | 06/19/17 | 1.9 | NOT SAMPLED | | | | | | | | | | NS | | | | |
| G-3-3 | 10 | U | 06/19/17 | 2.4 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | 0.040 | <0.025 | 0.050-0.075 | NS | | | | |
| G-3-4 | 13 | U | 06/19/17 | 1.9 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-4-1 | 3.5 | U | 06/19/17 | 4.3 | 121 | NS | <0.025 | <0.025 | <0.025 | <0.0153 | <0.025 | <0.025 | <0.025 | <0.075 | NS | <u>1</u> | 0.3134 | 2.7E-06 | |
| G-4-2 | 7 | U | 06/19/17 | 4.4 | NOT SAMPLED | | | | | | | | | | NS | | | | |
| G-4-3 | 9 | U | 06/19/17 | 3.4 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-4-4 | 13 | U | 06/19/17 | 3.5 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-5-1 | 3.5 | U | 06/19/17 | 1.9 | 4.39 | NS | <0.025 | <0.025 | <0.025 | <0.0153 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0013 | 2.2E-07 | |
| G-5-2 | 7 | U | 06/19/17 | 2.5 | NOT SAMPLED | | | | | | | | | | NS | | | | |
| G-5-3 | 9 | U | 06/19/17 | 4.1 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-5-4 | 13 | U | 06/19/17 | 2.4 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-6-1 | 3.5 | U | 06/19/17 | 4.9 | 31.4 | NS | <0.025 | <0.025 | <0.025 | <0.0153 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0013 | 2.2E-07 | |
| G-6-2 | 7 | U | 06/19/17 | 6.8 | NOT SAMPLED | | | | | | | | | | NS | | | | |
| G-6-3 | 11 | U | 06/19/17 | 7.2 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-7-1 | 3.5 | U | 06/19/17 | 4.3 | 1.67 | NS | <0.025 | <0.025 | <0.025 | <0.0153 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0013 | 2.2E-07 | |
| G-7-2 | 7 | U | 06/19/17 | 4.0 | NOT SAMPLED | | | | | | | | | | NS | | | | |
| G-7-3 | 8 | U | 06/19/17 | 3.9 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-7-4 | 13 | U | 06/19/17 | 3.7 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-8-1 | 3.5 | U | 06/19/17 | 4.1 | 4.24 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0013 | 2.2E-07 | |
| G-8-2 | 7 | U | 06/19/17 | 4.8 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-8-3 | 10 | U | 06/19/17 | 7.9 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | 0.0255 | 0.038 | <0.025 | 0.063-0.088 | NS | | | | |
| G-9-1 | 3.5 | U | 06/19/17 | 3.0 | 3.95 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 | |
| G-9-2 | 7 | U | 06/19/17 | 2.5 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-9-3 | 10 | U | 06/19/17 | 24.1 | NS | NS | <0.025 | <0.025 | <0.025 | 0.106 | 0.033 | 0.133 | 0.042 | <0.276 | NS | | | | |
| G-10-1 | 3.5 | U | 06/19/17 | 4.4 | 4.12 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 | |
| G-10-2 | 7 | U | 06/19/17 | 3.0 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-10-3 | 10 | U | 06/19/17 | 4.7 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-11-1 | 3.5 | U | 06/19/17 | 16.7 | 34.60 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 | |
| G-11-2 | 7 | U | 06/19/17 | 1.9 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-11-3 | 10 | U | 06/19/17 | 933 | NS | NS | <0.025 | <0.025 | <0.025 | 0.060 | 0.0272 | 0.40 | 0.187 | 0.614 | NS | | | | |
| G-12-1 | 3.5 | U | 06/19/17 | 4.7 | 32.30 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 | |
| G-12-2 | 7 | U | 06/19/17 | 3.8 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-12-3 | 10 | U | 06/19/17 | 3.8 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-13-1 | 3.5 | U | 06/19/17 | 1.9 | 3.13 | NS | <0.025 | <0.025 | <0.025 | <0.0153 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0013 | 2.2E-07 | |
| G-13-2 | 6 | U | 06/19/17 | 2.0 | NOT SAMPLED | | | | | | | | | | NS | | | | |
| G-13-3 | 9 | U | 06/19/17 | 4.6 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| Groundwater RCL | | | | | 27 | - | 0.0051 | 1.57 | 0.027 | 0.6582 | 1.1072 | 1.3787 | | 3.96 | - | | | | |
| Non-Industrial Direct Contact RCL | | | | | 400 | - | 1.6 | 8.02 | 63.8 | 5.52 | 818 | 219 | 182 | 260 | - | 1.00E+00 | 1.00E-05 | | |
| Industrial Direct Contact RCL | | | | | (800) | - | (7.07) | (35.4) | (282) | (24.1) | (818) | (219) | (182) | (260) | - | 1.00E+00 | 1.00E-05 | | |
| Soil Saturation Concentration (C-sat)* | | | | | - | - | 1820* | 480* | 8870* | - | 818* | 219* | 182* | 260* | - | | | | |

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
NS = Not Sampled
(ppm) = parts per million
GRO = Gasoline Range Organics
PID = Photoionization Detector
PVOC's = Petroleum Volatile Organic Compounds
VOC's = Volatile Organic Compounds
Note: Non-Industrial RCLs apply to this site.

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)
S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

A.2 Soil Analytical Results Table
A to Z Sales & Service – LGU BRRTS #03-59-190963

| Sample ID | Depth (feet) | Saturation U/S | Date | PID | Lead (ppm) | GRO (ppm) | DIRECT CONTACT (PVOC & PAH) | | | | | | | | | | Exceedance Count | Hazard Index | Cumulative Cancer Risk |
|---|--------------|----------------|----------|------|--------------|-----------|-----------------------------|---------------------|--------------|-------------------|---------------|-------------------------------|-------------------------------|----------------------|-------------------|----------|------------------|--------------|------------------------|
| | | | | | | | Benzene (ppm) | Ethyl Benzene (ppm) | MTBE (ppm) | Naphthalene (ppm) | Toluene (ppm) | 1,2,4-Trime-thylbenzene (ppm) | 1,3,5-Trime-thylbenzene (ppm) | Xylene (Total) (ppm) | Other VOC's (ppb) | | | | |
| G-13-4 | 13 | U | 06/19/17 | 3.1 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | |
| G-14-1 | 3.5 | U | 06/19/17 | 5.6 | 0.00 | NS | <0.025 | <0.025 | <0.025 | <0.0153 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0013 | 2.2E-07 |
| G-14-2 | 7 | U | 06/19/17 | 4.8 | NOT SAMPLED | | | | | | | | | | NS | | | | |
| G-14-3 | 10 | U | 06/19/17 | 2.1 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | |
| G-14-4 | 14 | U | 06/19/17 | 3.5 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | |
| G-15-1 | 3.5 | U | 06/20/17 | 2.6 | 2.35 | NS | <0.025 | <0.025 | <0.025 | <0.0153 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0013 | 2.2E-07 |
| G-15-2 | 7 | U | 06/20/17 | 1.4 | NOT SAMPLED | | | | | | | | | | NS | | | | |
| G-15-3 | 9 | U | 06/20/17 | 2.2 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | |
| G-15-4 | 13 | U | 06/20/17 | 2.5 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | |
| G-16-1 | 3.5 | U | 06/20/17 | 3.4 | 1.76 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 |
| G-16-2 | 7 | U | 06/20/17 | 2.8 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | |
| G-16-3 | 10 | U | 06/20/17 | 3.3 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | |
| G-17-1 | 3.5 | U | 06/20/17 | 4.7 | 4.23 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 |
| G-17-2 | 5 | U | 06/20/17 | 6.4 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | |
| G-17-3 | 9.5 | U | 06/20/17 | 9.5 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | |
| G-18-1 | 3.5 | U | 06/20/17 | 12.1 | 1.75 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 |
| G-18-2 | 7 | U | 06/20/17 | 33 | NS | NS | <0.025 | 0.077 | <0.025 | <0.025 | 0.0256 | 0.172 | 0.064 | 0.363 | NS | | | | |
| G-18-3 | 10 | U | 06/20/17 | 46 | NS | NS | <0.025 | <0.025 | <0.025 | 0.063 | <0.025 | 0.107 | 0.035 | 0.146 | NS | | | | |
| G-19-1 | 3.5 | U | 06/20/17 | 410 | 2.69 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 | |
| G-19-2 | 6 | U | 06/20/17 | 88.0 | NS | NS | 4.3 | 8.8 | <0.25 | 21.2 | 1.46 | 21.2 | 8.8 | 22.9 | NS | | | | |
| G-19-3 | 10 | U | 06/20/17 | | NS | NS | 0.029 | 0.128 | <0.025 | <0.025 | 0.034 | 0.243 | 0.087 | 0.609 | NS | | | | |
| G-20-1 | 3.5 | U | 06/20/17 | | 31.0 | NS | <0.025 | <0.025 | <0.025 | 0.072 | <0.025 | 0.146 | 0.14 | 0.105 | NS | 0 | 0.0013 | 1.3E-08 | |
| G-20-2 | 6 | U | 06/20/17 | | NS | NS | 0.36 | 7.4 | <0.25 | 16.6 | 2.28 | 83 | 29.4 | 62.9 | NS | | | | |
| G-20-3 | 10 | U | 06/20/17 | | NS | NS | <0.025 | 0.45 | <0.025 | 0.63 | 0.285 | 2.53 | 0.81 | 2.67 | NS | | | | |
| G-21-1 | 3.5 | U | 06/20/17 | | 3.19 | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | 0.0006 | 2.4E-08 | |
| G-21-2 | 6.0 | U | 06/20/17 | | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| G-21-3 | 10.0 | U | 06/20/17 | | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | | |
| Groundwater RCL | | | | | 27 | - | 0.0051 | 1.57 | 0.027 | 0.6582 | 1.1072 | 1.3787 | 3.96 | - | | | | | |
| Non-Industrial Direct Contact RCL | | | | | 400 | - | 1.6 | 8.02 | 63.8 | 5.52 | 818 | 219 | 182 | 260 | - | 1.00E+00 | 1.00E-05 | | |
| Industrial Direct Contact RCL | | | | | (800) | - | (7.07) | (35.4) | (282) | (24.1) | (818) | (219) | (182) | (260) | - | 1.00E+00 | 1.00E-05 | | |
| Soil Saturation Concentration (C-sat)* | | | | | - | - | 1820* | 480* | 8870* | - | 818* | 219* | 182* | 260* | - | | | | |

Bold = Groundwater RCL Exceedance

Bold & Underline = Non Industrial Direct Contact RCL Exceedance

(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance

Bold & Asteric * = C-sat Exceedance

NS = Not Sampled

NM = Not Measured

(ppm) = parts per million

ND = No Detects

GRO = Gasoline Range Organics

PID = Photoionization Detector

PVOC's = Petroleum Volatile Organic Compounds

VOC's = Volatile Organic Compounds

Note: Non-Industrial RCLs apply to this site.

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

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|--|--------------|----------------|----------|------|------------|-----------|---------------|---------------------|------------|-------------------|---------------|-------------------------------|-------------------------------|----------------------|--------------------------------------|-----------------------------|--------------|------------------------|
| | | | | | | | | | | | | | | | | Exceedance Count | Hazard Index | Cumulative Cancer Risk |
| MW-3-1 | 3.5 | U | 10/23/17 | 1.5 | | | | | | | | | | | NS | 0 | | |
| MW-3-2 | 8 | U | 10/23/17 | 1.7 | | | | | | | | | | | NS | | | |
| MW-3-3 | 12 | U | 10/23/17 | 1.7 | | | | | | | | | | | NS | | | |
| MW-3-4 | 16 | S | 10/23/17 | 127 | | | | | | | | | | | NS | | | |
| MW-4-1 | 3.5 | U | 10/23/17 | 1.1 | | | | | | | | | | | NS | 0 | | |
| MW-4-2 | 8 | U | 10/23/17 | 0.8 | | | | | | | | | | | NS | | | |
| MW-4-3 | 12 | U | 10/23/17 | 2.0 | | | | | | | | | | | NS | | | |
| MW-4-4 | 16 | S | 10/23/17 | 1.4 | | | | | | | | | | | NS | | | |
| MW-5-1 | 3.5 | U | 10/23/17 | 1.5 | | | | | | | | | | | NS | 0 | | |
| MW-5-2 | 8 | U | 10/23/17 | 1.5 | | | | | | | | | | | NS | | | |
| MW-5-3 | 12 | S | 10/23/17 | 2.1 | | | | | | | | | | | NS | | | |
| MW-5-4 | 16 | S | 10/23/17 | 1.6 | | | | | | | | | | | NS | | | |
| MW-6-1 | 3.5 | U | 10/23/17 | 1.1 | | | | | | | | | | | NS | 0 | | |
| MW-6-2 | 8 | U | 10/23/17 | 1.4 | | | | | | | | | | | NS | | | |
| MW-6-3 | 12 | U | 10/23/17 | 1.6 | | | | | | | | | | | NS | | | |
| MW-6-4 | 16 | S | 10/23/17 | 2.0 | | | | | | | | | | | NS | | | |
| MW-6-5 | 20 | S | 10/23/17 | 1.8 | | | | | | | | | | | NS | | | |
| MW-1-1 | 3.5 | U | 10/24/17 | 1247 | NS | 4600 | (12.3) | (72) | <2.5 | (40) | 48 | (299)* | 118 | (359)* | NS | 5 | 1.932 | 2.4E-05 |
| MW-1-2 | 8 | U | 10/24/17 | 1199 | | | | | | | | | | | NS | | | |
| MW-1-3 | 12 | U | 10/24/17 | 3088 | NS | 12100 | 65 | 370 | <1.25 | 114 | 620 | 740* | 254* | 1670* | TCLP LEAD <0.1 TCLP BENZENE <0.05 | | | |
| MW-1-4 | 14-16 | | | | | | | | | | | | | | NS | | | |
| MW-2-1 | 3.5 | U | 10/24/17 | 2.2 | | | | | | | | | | | NS | 0 | | |
| MW-2-2 | 8 | U | 10/24/17 | 1.3 | | | | | | | | | | | NS | | | |
| MW-2-3 | 12 | U | 10/24/17 | 1.2 | | | | | | | | | | | NS | | | |
| MW-2-4 | 16 | S | 10/24/17 | 1954 | | | | | | | | | | | NS | | | |
| EX-1 | 3.0 | U | 06/24/19 | 0 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | | |
| EX-2 | 9.0 | U | 06/24/19 | 9.3 | NS | NS | <0.025 | 0.033 | <0.025 | 0.135 | <0.025 | 0.172 | 0.078 | 0.184 | NS | | | |
| EX-3 | 3.0 | U | 06/24/19 | 0 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | | |
| EX-4 | 9.0 | U | 06/24/19 | 0.5 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | |
| EX-5 | 3.0 | U | 06/24/19 | 0 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | | |
| EX-6 | 3.0 | U | 06/24/19 | 0 | NS | NS | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | 0 | | |
| EX-7 | 9.0 | U | 06/24/19 | 800 | NS | NS | 0.79 | 15.8 | <0.25 | 7.7 | 13.4 | 50 | 16 | 81.3 | NS | | | |
| EX-8 | 16.0 | S | 06/24/19 | 50 | NS | NS | 0.68 | 0.65 | <0.025 | 0.12 | 5.3 | 0.46 | 0.125 | 3.05 | NS | | | |
| EX-9 | 9.0 | U | 06/24/19 | 88 | NS | NS | 1.03 | 12.4 | <0.025 | 7.7 | 6.0 | 45 | 15.1 | 60.9 | NS | | | |
| MW-7-1 | 3.5 | U | 07/30/19 | 0.3 | | | | | | | | | | | NS | 0 | | |
| MW-7-2 | 8.0 | U | 07/30/19 | 0.7 | | | | | | | | | | | NS | | | |
| MW-7-3 | 12.0 | U | 07/30/19 | 1.3 | | | | | | | | | | | NS | | | |
| MW-7-4 | 14.0 | U | 07/30/19 | 1.2 | NS | <10 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.075 | NS | | | |
| MW-7-5 | 20.0 | S | 07/30/19 | 4.1 | | | | | | | | | | | NS | | | |
| Groundwater RCL | | | | | 27 | - | 0.0051 | 1.57 | 0.027 | 0.6582 | 1.1072 | 1.3787 | 3.96 | - | | | | |
| Non-Industrial Direct Contact RCL | | | | | 400 | - | 1.6 | 8.02 | 63.8 | 5.52 | 818 | 219 | 182 | 260 | | | 1.00E+00 | 1.00E-05 |
| Industrial Direct Contact RCL | | | | | (800) | - | (7.07) | (35.4) | (282) | (24.1) | (818) | (219) | (182) | (260) | | | 1.00E+00 | 1.00E-05 |
| Soil Saturation Concentration (C-sat)* | | | | | - | - | 1820* | 480* | 8870* | - | 818* | 219* | 182* | 260* | - | | | |

Bold = Groundwater RCL Exceedance

Bold & Underline = Non Industrial Direct Contact RCL Exceedance

(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance

Bold & Asteric * = C-sat Exceedance

NS = Not Sampled

NM = Not Measured

(ppm) = parts per million

ND = No Detects

GRO = Gasoline Range Organics

PID = Photoionization Detector

PVOC's = Petroleum Volatile Organic Compounds

VOC's = Volatile Organic Compounds

Note: Non-Industrial RCLs apply to this site.

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

A.2 Soil Analytical Results Table
(PAH)
A to Z Sales & Service – LGU BRRTS #03-59-190963

| Sample | Depth (feet) | Saturation U/S | Date | Acenaph-thene (ppm) | Acenaph-ethylene (ppm) | Anthracene (ppm) | Benzo(a)anthracene (ppm) | Benzo(a)pyrene (ppm) | Benzo(b)fluoranthene (ppm) | Benzo(g,h,i)perylene (ppm) | Benzo(k)fluoranthene (ppm) | Chrysene (ppm) | Dibenzo(a,h)anthracene (ppm) | Fluoranthene (ppm) | Fluorene (ppm) | Indeno(1,2,3-cd)pyrene (ppm) | 1-Methyl-naphthalene (ppm) | 2-Methyl-naphthalene (ppm) | Naphthalene (ppm) | Phenan-threne (ppm) | Pyrene (ppm) | DIRECT CONTACT (PVOC & PAH) | | | |
|---|--------------|----------------|----------|---------------------|------------------------|------------------|--------------------------|----------------------|----------------------------|----------------------------|----------------------------|----------------|------------------------------|--------------------|----------------|------------------------------|----------------------------|----------------------------|-------------------|---------------------|----------------|-----------------------------|-----------------|------------------------|--|
| | | | | | | | | | | | | | | | | | | | | | | Exceedance Count | Hazard Index | Cumulative Cancer Risk | |
| G-3-1 | 3.5 | U | 06/19/17 | <0.0151 | <0.0159 | <0.0109 | <0.0116 | <0.0113 | <0.013 | <0.0114 | <0.0147 | <0.0121 | <0.0078 | <0.0147 | <0.0179 | <0.0114 | <0.0203 | 0.0247 | 0.0172 | <0.0111 | <0.0153 | 0 | 0.0007 | 9.4E-09 | |
| G-4-1 | 3.5 | U | 06/19/17 | <0.0151 | 0.047 | 0.059 | 0.169 | 0.19 | 0.254 | 0.95 | 0.083 | 0.175 | 0.059 | 0.179 | <0.0179 | 0.189 | <0.0203 | <0.0113 | <0.0153 | 0.039 | 0.194 | 1 | 0.3134 | 2.7E-06 | |
| G-5-1 | 3.5 | U | 06/19/17 | <0.0151 | <0.0159 | <0.0109 | <0.0116 | <0.0113 | <0.013 | <0.0114 | <0.0147 | <0.0121 | <0.0078 | <0.0147 | <0.0179 | <0.0114 | <0.0203 | <0.0113 | <0.0153 | <0.0111 | <0.0153 | 0 | 0.0013 | 2.2E-07 | |
| G-6-1 | 3.5 | U | 06/19/17 | <0.0151 | <0.0159 | <0.0109 | <0.0116 | <0.0113 | <0.013 | 0.0145 | <0.0147 | <0.0121 | <0.0078 | <0.0147 | <0.0179 | <0.0114 | <0.0203 | <0.0113 | <0.0153 | <0.0111 | <0.0153 | 0 | 0.0013 | 2.2E-07 | |
| G-7-1 | 3.5 | U | 06/19/17 | <0.0151 | <0.0159 | <0.0109 | <0.0116 | <0.0113 | <0.013 | <0.0114 | <0.0147 | <0.0121 | <0.0078 | <0.0147 | <0.0179 | <0.0114 | <0.0203 | <0.0113 | <0.0153 | <0.0111 | <0.0153 | 0 | 0.0013 | 2.2E-07 | |
| G-13-1 | 3.5 | U | 06/19/17 | <0.0151 | <0.0159 | <0.0109 | <0.0116 | <0.0113 | <0.013 | <0.0114 | <0.0147 | <0.0121 | <0.0078 | <0.0147 | <0.0179 | <0.0114 | <0.0203 | <0.0113 | <0.0153 | <0.0111 | <0.0153 | 0 | 0.0013 | 2.2E-07 | |
| G-14-1 | 3.5 | U | 06/19/17 | <0.0151 | <0.0159 | <0.0109 | <0.0116 | <0.0113 | <0.013 | <0.0114 | <0.0147 | <0.0121 | <0.0078 | <0.0147 | <0.0179 | <0.0114 | <0.0203 | <0.0113 | <0.0153 | <0.0111 | <0.0153 | 0 | 0.0013 | 2.2E-07 | |
| G-15-1 | 3.5 | U | 06/20/17 | <0.0151 | <0.0159 | <0.0109 | <0.0116 | <0.0113 | <0.013 | <0.0114 | <0.0147 | <0.0121 | <0.0078 | <0.0147 | <0.0179 | <0.0114 | <0.0203 | <0.0113 | <0.0153 | <0.0111 | <0.0153 | 0 | 0.0013 | 2.2E-07 | |
| EX-10 | 3.0 | U | 06/25/19 | <0.0163 | <0.0086 | <0.0043 | <0.016 | <0.0124 | <0.0109 | <0.0084 | <0.0091 | <0.006 | <0.0101 | <0.0054 | <0.0086 | <0.0082 | <0.0086 | <0.0147 | <0.0153 | <0.0071 | <0.0067 | 0 | | | |
| EX-11 | 3.0 | U | 06/25/19 | <0.0163 | <0.0086 | <0.0043 | <0.016 | <0.0124 | <0.0109 | <0.0084 | <0.0091 | <0.006 | <0.0101 | <0.0054 | <0.0086 | <0.0082 | <0.0086 | <0.0147 | <0.0153 | <0.0071 | <0.0067 | 0 | | | |
| EX-12 | 3.0 | U | 06/25/19 | <0.0163 | <0.0086 | <0.0043 | <0.016 | <0.0124 | <0.0109 | <0.0084 | <0.0091 | <0.006 | <0.0101 | <0.0054 | <0.0086 | <0.0082 | <0.0086 | <0.0147 | <0.0153 | <0.0071 | <0.0067 | 0 | | | |
| EX-13 | 3.0 | U | 06/25/19 | <0.0163 | <0.0086 | <0.0043 | <0.016 | <0.0124 | <0.0109 | <0.0084 | <0.0091 | <0.006 | <0.0101 | <0.0054 | <0.0086 | <0.0082 | <0.0086 | <0.0147 | <0.0153 | <0.0071 | <0.0067 | 0 | | | |
| Groundwater RCL | | | | --- | --- | 197 | --- | 0.47 | 0.2390 | --- | --- | 0.0721 | --- | 88.8 | 14.8 | --- | --- | --- | 0.6582 | --- | 54.5 | | | | |
| Non-Industrial Direct Contact RCL | | | | 3590 | --- | 17900 | 1.140 | 0.1150 | 1.150 | --- | 11.50 | 115 | 0.1150 | 2390 | 2390 | 1.150 | 17.6 | 239 | 5.52 | --- | 1790 | | 1.00E+00 | 1.00E-05 | |
| Industrial Direct Contact RCL | | | | (45200) | --- | (100000) | (20.8) | (2.11) | (21.1) | --- | (211) | (2110) | (2.11) | (30100) | (30100) | (21.1) | (72.7) | (3010) | (24.1) | --- | (22600) | | | | |
| Soil Saturation Concentration (C-sat)* | | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
(ppm) = parts per million
PAH = Polynuclear Aromatic Hydrocarbons
PID = Photoionization Detector
VOC's = Volatile Organic Compounds

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)
S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

A.2 Soil Analytical Results Table
A to Z Sales & Service – LGU BRRTS #03-59-190963

Sampling Conducted on June 19, 2017

| VOC's | Groundwater RCL | Underline & Bold = Non-Industrial Direct Contact RCL | | Industrial Direct Contact RCL | Asteric * & Bold =Soil Saturation (C-sat) RCL |
|------------------------------------|-----------------|--|-------|-------------------------------|---|
| | | Underline | Bold | | |
| Sample ID# | G-2-2 | | | | |
| Sample Depth/ft. | 7 | | | | |
| Solids Percent | | | | | |
| Benzene/ppm | < 0.3 | 0.0051 | 1.6 | (7.07) | 1820* |
| Bromobenzene/ppm | < 0.25 | = = | 342 | (679) | = = |
| Bromodichloromethane/ppm | < 0.74 | 0.0003 | 0.418 | (1.83) | = = |
| Bromoform/ppm | < 0.29 | 0.0023 | 25.4 | (113) | = = |
| tert-Butylbenzene/ppm | < 0.26 | = = | 183 | (183) | 183* |
| sec-Butylbenzene/ppm | 0.58 "J" | = = | 145 | (145) | 145* |
| n-Butylbenzene/ppm | 3.6 | = = | 108 | (108) | 108* |
| Carbon Tetrachloride/ppm | < 0.16 | 0.0039 | 0.916 | (4.03) | = = |
| Chlorobenzene/ppm | < 0.13 | = = | 370 | (761) | 761* |
| Chloroethane/ppm | < 0.91 | 0.2266 | = = | = = | = = |
| Chloroform/ppm | < 0.35 | 0.0033 | 0.454 | (1.98) | = = |
| Chloromethane/ppm | < 0.76 | 0.0155 | 159 | (669) | = = |
| 2-Chlorotoluene/ppm | < 0.15 | = = | 907 | (907) | 907* |
| 4-Chlorotoluene/ppm | < 0.18 | = = | 253 | (253) | 253* |
| 1,2-Dibromo-3-chloropropane/ppm | < 0.58 | 0.0002 | 0.008 | (0.092) | = = |
| Dibromochloromethane/ppm | < 0.25 | 0.032 | 8.28 | (38.9) | = = |
| 1,4-Dichlorobenzene/ppm | < 0.37 | 0.144 | 3.74 | (16.4) | = = |
| 1,3-Dichlorobenzene/ppm | < 0.37 | 1.1528 | 297 | (297) | 297* |
| 1,2-Dichlorobenzene/ppm | < 0.28 | 1.168 | 376 | (376) | 376* |
| Dichlorodifluoromethane/ppm | < 0.48 | 3.0863 | 126 | (530) | = = |
| 1,2-Dichloroethane/ppm | < 0.38 | 0.0028 | 0.652 | (2.87) | 540* |
| 1,1-Dichloroethane/ppm | < 0.34 | 0.4834 | 5.06 | (22.2) | = = |
| 1,1-Dichloroethene/ppm | < 0.22 | 0.005 | 320 | (1190) | 1190* |
| cis-1,2-Dichloroethene/ppm | < 0.32 | 0.0412 | 156 | (2340) | = = |
| trans-1,2-Dichloroethene/ppm | < 0.28 | 0.0626 | 1560 | (1850) | = = |
| 1,2-Dichloropropane/ppm | < 0.35 | 0.0033 | 3.4 | (15) | = = |
| 1,3-Dichloropropane/ppm | < 0.25 | = = | 1490 | (1490) | 1490* |
| trans-1,3-Dichloropropene/ppm | < 0.22 | 0.003 | 1510 | (1510) | = = |
| cis-1,3-Dichloropropene/ppm | < 0.39 | = = | 1210 | (1210) | = = |
| Di-isopropyl ether/ppm | < 0.1 | = = | 2260 | (2260) | 2260* |
| EDB (1,2-Dibromoethane)/ppm | < 0.23 | 0.0000282 | 0.05 | (0.221) | = = |
| Ethylbenzene/ppm | 7.5 | 1.57 | 8.02 | (35.4) | 480* |
| Hexachlorobutadiene/ppm | < 0.85 | = = | 1.63 | (7.19) | = = |
| Isopropylbenzene/ppm | 0.92 "J" | = = | = = | = = | = = |
| p-Isopropyltoluene/ppm | < 0.29 | = = | 162 | (162) | 162* |
| Methylene chloride/ppm | < 1.5 | 0.0026 | 61.8 | (1150) | = = |
| Methyl tert-butyl ether (MTBE)/ppm | < 0.5 | 0.027 | 63.8 | (282) | 8870* |
| Naphthalene/ppm | 5.4 | 0.6582 | 5.52 | (24.1) | = = |
| n-Propylbenzene/ppm | 4.2 | = = | = = | = = | = = |
| 1,1,2,2-Tetrachloroethane/ppm | < 0.28 | 0.0002 | 0.81 | (3.6) | = = |
| 1,1,1,2-Tetrachloroethane/ppm | < 0.28 | 0.0534 | 2.78 | (12.3) | = = |
| Tetrachloroethene (PCE)/ppm | < 0.32 | 0.0045 | 33 | (145) | = = |
| Toluene/ppm | 5 | 1.1072 | 818 | (818) | 818* |
| 1,2,4-Trichlorobenzene/ppm | < 0.64 | 0.408 | 24 | (113) | = = |
| 1,2,3-Trichlorobenzene/ppm | < 0.66 | = = | 62.6 | (934) | = = |
| 1,1,1-Trichloroethane/ppm | < 0.3 | 0.1402 | 640 | (640) | 640* |
| 1,1,2-Trichloroethane/ppm | < 0.33 | 0.0032 | 1.59 | (7.01) | = = |
| Trichloroethene (TCE)/ppm | < 0.41 | 0.0036 | 1.3 | (8.41) | = = |
| Trichlorofluoromethane/ppm | < 0.41 | 4.4775 | 1230 | (1230) | 1230* |
| 1,2,4-Trimethylbenzene/ppm | 34 | 1.3787 | 219 | (219) | 219* |
| 1,3,5-Trimethylbenzene/ppm | 9.9 | 0.0001 | 182 | (182) | 182* |
| Vinyl Chloride/ppm | < 0.19 | 0.0001 | 0.067 | (2.08) | = = |
| m&p-Xylene/ppm | 32 | 3.96 | 260 | (260) | 260* |
| o-Xylene/ppm | 11.5 | | | | |

NS = not sampled, NM = Not Measured
(ppm) = parts per million
= = No Exceedences

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Note: Non-Industrial RCLs apply to this site.