

**Table 4**  
**Soil Sampling Analytical Results**  
**Total Petroleum Hydrocarbons (TPH) and Polychlorinated Biphenyls (PCBs)**  
 Marketplace Brownsfields Site  
 Riverside, California

| EPA Method                |             |      |        | 8015M (mg/kg) |       |       | 8082 (µg/kg) |          |          |          |          |          |          |
|---------------------------|-------------|------|--------|---------------|-------|-------|--------------|----------|----------|----------|----------|----------|----------|
| Soil Boring Location      | Sample Date | Area | Lab ID | TPH-g         | TPH-d | TPH-o | PCB-1016     | PCB-1221 | PCB-1232 | PCB-1242 | PCB-1248 | PCB-1254 | PCB-1260 |
| Industrial RSL (ug/kg)    |             |      |        | NE            | NE    | NE    | 21,000       | 540      | 540      | 740      | 740      | 740      | 740      |
| Method Detection Limit    |             |      |        | 0.2           | 2     | 20    | 50           | 100      | 50       | 50       | 50       | 50       | 50       |
| Practical Detection Limit |             |      |        | 0.5           | 5     | 40    | -            | -        | -        | -        | -        | -        | -        |
| Minimum                   |             |      |        | 1.3           | 2     | 22.9  | 0            | 0        | 0        | 0        | 84       | 109      | 165      |
| Maximum                   |             |      |        | 11.9          | 1,430 | 1,410 | 0            | 0        | 0        | 0        | 369,000  | 125,000  | 73,800   |
| Average                   |             |      |        | 6.6           | 197   | 401   | NA           | NA       | NA       | NA       | 28,162   | 5,890    | 39,244   |
| Median                    |             |      |        | 6.6           | 91.3  | 283   | NA           | NA       | NA       | NA       | 1,650    | 903      | 42,900   |
| TTLC (mg/mg)              |             |      |        | NE            | NE    | NE    | 50           | 50       | 50       | 50       | 50       | 50       | 50       |
| STLC (mg/l)               |             |      |        | NE            | NE    | NE    | 5            | 5        | 5        | 5        | 5        | 5        | 5        |
| 10 x STLC (mg/l)          |             |      |        | NE            | NE    | NE    | 50           | 50       | 50       | 50       | 50       | 50       | 50       |
| TCLP (mg/l)               |             |      |        | NE            | NE    | NE    | NE           | NE       | NE       | NE       | NE       | NE       | NE       |
| Residential CHHSL (mg/kg) |             |      |        | NE            | NE    | NE    | 0.089        | 0.089    | 0.089    | 0.089    | 0.089    | 0.089    | 0.089    |
| Residential CHHSL (ug/kg) |             |      |        | NE            | NE    | NE    | 0.000089     | 0.000089 | 0.000089 | 0.000089 | 0.000089 | 0.000089 | 0.000089 |
| Industrial CHHSL (mg/kg)  |             |      |        | NE            | NE    | NE    | 0.3          | 0.3      | 0.3      | 0.3      | 0.3      | 0.3      | 0.3      |
| Industrial CHHSL (ug/kg)  |             |      |        | NE            | NE    | NE    | 0.0003       | 0.0003   | 0.0003   | 0.0003   | 0.0003   | 0.0003   | 0.0003   |
| Residential RSL (mg/kg)   |             |      |        | NE            | NE    | NE    | 3.9          | 0.14     | 0.14     | 0.22     | 0.22     | 0.22     | 0.22     |
| Residential RSL (ug/kg)   |             |      |        | NE            | NE    | NE    | 3,900        | 140      | 140      | 220      | 220      | 220      | 220      |
| Industrial RSL (mg/kg)    |             |      |        | NE            | NE    | NE    | 21           | 0.54     | 0.54     | 0.74     | 0.74     | 0.74     | 0.74     |
| Industrial RSL (ug/kg)    |             |      |        | NE            | NE    | NE    | 21,000       | 540      | 540      | 740      | 740      | 740      | 740      |

**Notes:**

- TPHg = Total petroleum hydrocarbons as gasoline
  - TPHd = Total petroleum hydrocarbons as diesel
  - TPHo = Total petroleum hydrocarbons as oil
  - ND = Not detected at any concentration
  - J = Estimated value, compound observed below method detection limit
  - = Not reported
  - TTLC = Total threshold limit concentration, used for California regulated hazardous waste (California Code of Regulations, Title 22, Chapter 11, Article 3). If a substance in a waste is equal to or greater than the TTLC level, it is considered a hazardous toxic waste.
  - STLC = Soluble threshold limit concentration; if a substance is ten times the STLC value found in the TTLC, the waste extraction test (WET) is indicated. If any substance in the waste extract is equal to or greater than the STLC value, it is considered a hazardous toxic waste.
  - TCLP = Toxicity characteristic leaching procedure
  - CHHSL = California Human Health Screening Level for residential land use (Cal/EPA 2009)
  - RSL = Regional soil screening level for residential and industrial use (USEPA 2010)
  - NE= Not established
  - NA = Not applicable
  - Bold = Concentrations at or above industrial RSLs
- Note: Soil samples were obtained from 0.5 to 1 foot below ground surface

**Tables**

2015 Results: AMEC Foster Wheeler, 2015, Additional Phase II Environmental Site Assessment Report, Riverside Scrap Iron & Metal Site, Riverside, California, December 9.

**TABLE 1**

**SUMMARY OF POLYCHLORINATED BIPHENYLS (PCBS) IN SHALLOW SOIL**

Riverside Scrap Iron & Metal Site

Riverside, California

Concentrations reported in micrograms per kilogram (µg/kg)

| Sample/<br>Boring<br>ID | Area | Sample<br>Date | depth<br>(feet bgs) | EPA Method 8082 (µg/kg) |          |          |                |          |                 |                |
|-------------------------|------|----------------|---------------------|-------------------------|----------|----------|----------------|----------|-----------------|----------------|
|                         |      |                |                     | PCB-1016                | PCB-1221 | PCB-1232 | PCB-1242       | PCB-1248 | PCB-1254        | PCB-1260       |
| Industrial RSL (ug/kg)  |      |                |                     | 27,000                  | 720      | 720      | 970            | 940      | 970             | 990            |
| Residential RSL (ug/kg) |      |                |                     | 6,600                   | 170      | 170      | 230            | 230      | 240             | 240            |
| NS1                     | 8e   | 8/10/2015      | 0.25                | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | <b>94</b>       | <b>57</b>      |
| NS2                     | 8d   | 8/18/2015      | 0.25                | ND<20                   | ND<20    | ND<20    | <b>8,600</b>   | ND<20    | <b>28,000</b>   | <b>2300J</b>   |
|                         |      | 8/18/2015      | 1                   | ND<20UJ                 | ND<20UJ  | ND<20UJ  | <b>62,000J</b> | ND<20UJ  | <b>290,000J</b> | <b>34,000J</b> |
|                         |      | 8/18/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | <b>23</b>       | ND<20          |
| NS3                     | 8f   | 8/10/2015      | 0.25                | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | <b>47</b>       | <b>43</b>      |
| NS4                     | 8e   | 8/10/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | <b>130</b>      | <b>33</b>      |
| NS5                     | 8f   | 8/10/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20           | ND<20          |
| NS6                     | 8e   | 8/10/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20           | ND<20          |
| NS7                     | 8a   | 8/21/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | <b>55</b>      | ND<20    | <b>110</b>      | <b>58</b>      |
| NS8                     | 8a   | 8/21/2015      | 0.25                | ND<20UJ                 | ND<20UJ  | ND<20UJ  | <b>2,200J</b>  | ND<20UJ  | <b>350J</b>     | <b>110J</b>    |
|                         |      | 8/21/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20           | ND<20          |
| NS9                     | 8a   | 8/11/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20           | ND<20          |
| NS10A                   | 8c   | 8/21/2015      | 0.25                | ND<20UJ                 | ND<20UJ  | ND<20UJ  | <b>110J</b>    | ND<20UJ  | <b>200J</b>     | <b>100J</b>    |
| NS11                    | 10b  | 8/11/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | <b>39</b>       | <b>27</b>      |
| NS12                    | 10b  | 8/13/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20           | ND<20          |
| NS13                    | 10b  | 8/13/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | <b>71</b>      | ND<20    | <b>76</b>       | <b>32</b>      |
| NS14                    | 8c   | 8/14/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20           | ND<20          |
| NS15                    | 8c   | 8/14/2015      | 0.25                | ND<20                   | ND<20    | ND<20    | <b>1,500</b>   | ND<20    | <b>1,600</b>    | <b>290</b>     |
|                         |      | 8/14/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20           | ND<20          |
| NS16                    | 12   | 8/13/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20           | ND<20          |
| NS17                    | 8h   | 8/21/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20           | ND<20          |
| NS18                    | 8h   | 8/21/2015      | 0.25                | ND<20UJ                 | ND<20UJ  | ND<20UJ  | <b>250J</b>    | ND<20UJ  | <b>420J</b>     | <b>150J</b>    |
|                         |      | 8/21/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20           | ND<20          |

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**SUMMARY OF POLYCHLORINATED BIPHENYLS (PCBS) IN SHALLOW SOIL**

Riverside Scrap Iron & Metal Site

Riverside, California

Concentrations reported in micrograms per kilogram (µg/kg)

| Sample/<br>Boring<br>ID | Area | Sample<br>Date | depth<br>(feet bgs) | EPA Method 8082 (µg/kg) |          |          |               |          |                |               |
|-------------------------|------|----------------|---------------------|-------------------------|----------|----------|---------------|----------|----------------|---------------|
|                         |      |                |                     | PCB-1016                | PCB-1221 | PCB-1232 | PCB-1242      | PCB-1248 | PCB-1254       | PCB-1260      |
| Industrial RSL (ug/kg)  |      |                |                     | 27,000                  | 720      | 720      | 970           | 940      | 970            | 990           |
| Residential RSL (ug/kg) |      |                |                     | 6,600                   | 170      | 170      | 230           | 230      | 240            | 240           |
| NS19                    | 8h   | 8/21/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20         | ND<20    | ND<20          | ND<20         |
| NS20                    | 8h   | 8/21/2015      | 2.5                 | ND<20UJ                 | ND<20UJ  | ND<20UJ  | <b>3,200J</b> | ND<20UJ  | <b>1,500J</b>  | <b>1,100J</b> |
|                         |      | 8/21/2015      | 5                   | ND<20UJ                 | ND<20UJ  | ND<20UJ  | <b>1,100J</b> | ND<20UJ  | <b>480J</b>    | <b>290J</b>   |
| NS21                    | 8h   | 8/21/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20         | ND<20    | ND<20          | ND<20         |
| NS24                    | 8e   | 8/10/2015      | 0.25                | ND<20                   | ND<20    | ND<20    | ND<20         | ND<20    | <b>24</b>      | <b>21</b>     |
|                         |      | 8/10/2015      | 2.5                 | ND<20UJ                 | ND<20UJ  | ND<20UJ  | ND<20UJ       | ND<20UJ  | ND<20UJ        | ND<20UJ       |
| NS25                    | 8d   | 8/18/2015      | 0.25                | ND<20UJ                 | ND<20UJ  | ND<20UJ  | ND<20UJ       | ND<20UJ  | <b>1,300J</b>  | <b>140J</b>   |
|                         |      | 8/18/2015      | 1                   | ND<20                   | ND<20    | ND<20    | ND<20         | ND<20    | <b>42</b>      | ND<20         |
| NS26                    | 8d   | 8/12/2015      | 0.25                | ND<20UJ                 | ND<20UJ  | ND<20UJ  | <b>320J</b>   | ND<20UJ  | <b>12,000J</b> | <b>1,600J</b> |
|                         |      | 8/12/2015      | 1                   | ND<20                   | ND<20    | ND<20    | ND<20         | ND<20    | ND<20          | ND<20         |
| NS27                    | 8d   | 8/12/2015      | 0.25                | ND<20                   | ND<20    | ND<20    | ND<20         | ND<20    | <b>120</b>     | <b>97</b>     |
| NS28                    | 8d   | 8/12/2015      | 0.25                | ND<20UJ                 | ND<20UJ  | ND<20UJ  | <b>2,000J</b> | ND<20UJ  | <b>860J</b>    | <b>180J</b>   |
|                         |      | 8/12/2015      | 1                   | ND<20                   | ND<20    | ND<20    | ND<20         | ND<20    | ND<20          | ND<20         |
| NS29                    | 8d   | 8/12/2015      | 0.25                | ND<20UJ                 | ND<20UJ  | ND<20UJ  | <b>58J</b>    | ND<20UJ  | <b>110J</b>    | <b>89J</b>    |
| NS30                    | 8d   | 8/21/2015      | 0.25                | ND<20UJ                 | ND<20UJ  | ND<20UJ  | ND<20UJ       | ND<20UJ  | <b>44J</b>     | <b>45J</b>    |
| S1                      | 8e   | 8/11/2015      | 0.25                | ND<20                   | ND<20    | ND<20    | ND<20         | ND<20    | ND<20          | ND<20         |
|                         |      | 8/11/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20         | ND<20    | ND<20          | ND<20         |
| S2                      | 8e   | 8/12/2015      | 0.25                | ND<20                   | ND<20    | ND<20    | ND<20         | ND<20    | <b>51</b>      | ND<20         |
|                         |      | 8/12/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20         | ND<20    | ND<20          | ND<20         |
| S3                      | 8f   | 8/11/2015      | 0.25                | ND<20                   | ND<20    | ND<20    | ND<20         | ND<20    | <b>76</b>      | <b>47</b>     |
|                         |      | 8/11/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20         | ND<20    | ND<20          | ND<20         |
| S4                      | 8d   | 8/18/2015      | 0.25                | ND<20                   | ND<20    | ND<20    | <b>140</b>    | ND<20    | <b>940</b>     | <b>71</b>     |
|                         |      | 8/18/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20         | ND<20    | ND<20          | ND<20         |

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Riverside, California

Concentrations reported in micrograms per kilogram (µg/kg)

| Sample/<br>Boring<br>ID | Area | Sample<br>Date | depth<br>(feet bgs) | EPA Method 8082 (µg/kg) |          |          |                |          |                |                |
|-------------------------|------|----------------|---------------------|-------------------------|----------|----------|----------------|----------|----------------|----------------|
|                         |      |                |                     | PCB-1016                | PCB-1221 | PCB-1232 | PCB-1242       | PCB-1248 | PCB-1254       | PCB-1260       |
| Industrial RSL (ug/kg)  |      |                |                     | 27,000                  | 720      | 720      | 970            | 940      | 970            | 990            |
| Residential RSL (ug/kg) |      |                |                     | 6,600                   | 170      | 170      | 230            | 230      | 240            | 240            |
| S5                      | 8d   | 8/12/2015      | 0.25                | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | <b>170</b>     | <b>93</b>      |
|                         |      | 8/12/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20          | ND<20          |
| S6                      | 8d   | 8/12/2015      | 0.25                | ND<20UJ                 | ND<20UJ  | ND<20UJ  | <b>19,000J</b> | ND<20UJ  | <b>51,000J</b> | <b>6,100J</b>  |
| S7                      | 12   | 8/11/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20          | ND<20          |
| S8                      | 8a   | 8/13/2015      | 2.5                 | ND<200                  | ND<200   | ND<200   | ND<200         | ND<200   | ND<200         | ND<200         |
| S9                      | 8a   | 8/12/2015      | 0.25                | ND<20UJ                 | ND<20UJ  | ND<20UJ  | <b>120J</b>    | ND<20UJ  | <b>280J</b>    | <b>130J</b>    |
| S10                     | 12   | 8/11/2017      | 0.25                | ND<20UJ                 | ND<20UJ  | ND<20UJ  | <b>1,400J</b>  | ND<20UJ  | <b>4,300J</b>  | <b>3,500J</b>  |
|                         |      | 8/11/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20          | ND<20          |
| S11                     | 8a   | 8/13/2015      | 0.25                | ND<200                  | ND<200   | ND<200   | <b>1,600</b>   | ND<200   | <b>1,400</b>   | <b>430</b>     |
|                         |      | 8/13/2015      | 1                   | ND<200                  | ND<200   | ND<200   | ND<200         | ND<200   | ND<200         | ND<200         |
|                         |      | 8/13/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20          | ND<20          |
| S12                     | 8a   | 8/12/2015      | 0.25                | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20          | ND<20          |
| S13                     | 8a   | 8/14/2015      | 0.25                | ND<20                   | ND<20    | ND<20    | <b>4,200</b>   | ND<20    | <b>1,600</b>   | <b>300</b>     |
| S14                     | 10b  | 8/13/2015      | 0.25                | ND<20UJ                 | ND<20UJ  | ND<20UJ  | <b>2,900J</b>  | ND<20UJ  | <b>15,000J</b> | <b>9,300J</b>  |
|                         |      | 8/13/2015      | 1                   | ND<200                  | ND<200   | ND<200   | <b>48,000J</b> | ND<200   | <b>50,000J</b> | <b>18,000J</b> |
|                         |      | 8/13/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | <b>38</b>      | ND<20          |
| S15                     | 10b  | 8/12/2015      | 0.25                | ND<20UJ                 | ND<20UJ  | ND<20UJ  | <b>230J</b>    | ND<20UJ  | <b>95J</b>     | <b>23J</b>     |
|                         |      | 8/12/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20          | ND<20          |
| S16                     | 8b   | 8/14/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20          | ND<20          |
| S17                     | 8g   | 8/14/2015      | 0.25                | ND<20                   | ND<20    | ND<20    | <b>26</b>      | ND<20    | <b>60</b>      | <b>30</b>      |
| S18                     | 8h   | 8/14/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20          | ND<20          |
| S19                     | 8g   | 8/14/2015      | 0.25                | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20          | ND<20          |
|                         |      | 8/14/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20          | ND<20          |
| ES1                     | 10a  | 8/19/2015      | 0.25                | ND<200                  | ND<200   | ND<200   | ND<200         | ND<200   | ND<200         | ND<200         |
|                         |      | 8/19/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20          | ND<20          |
| ES2                     | 8b   | 8/14/2015      | 0.25                | ND<20UJ                 | ND<20UJ  | ND<20UJ  | ND<20UJ        | ND<20UJ  | ND<20UJ        | <b>22J</b>     |
|                         |      | 8/14/2015      | 2.5                 | ND<20                   | ND<20    | ND<20    | ND<20          | ND<20    | ND<20          | ND<20          |

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SUMMARY OF POLYCHLORINATED BIPHENYLS (PCBS) IN SHALLOW SOIL

Riverside Scrap Iron & Metal Site

Riverside, California

Concentrations reported in micrograms per kilogram (µg/kg)

| Sample/<br>Boring<br>ID | Area | Sample<br>Date | depth<br>(feet bgs) | EPA Method 8082 (µg/kg) |          |          |            |                |                |               |
|-------------------------|------|----------------|---------------------|-------------------------|----------|----------|------------|----------------|----------------|---------------|
|                         |      |                |                     | PCB-1016                | PCB-1221 | PCB-1232 | PCB-1242   | PCB-1248       | PCB-1254       | PCB-1260      |
| Industrial RSL (ug/kg)  |      |                |                     | 27,000                  | 720      | 720      | 970        | 940            | 970            | 990           |
| Residential RSL (ug/kg) |      |                |                     | 6,600                   | 170      | 170      | 230        | 230            | 240            | 240           |
| ES3                     | 8h   | 8/14/2015      | 0.25                | ND<20                   | ND<20    | ND<20    | <b>200</b> | ND<20          | <b>410</b>     | <b>170</b>    |
| A8a-SB1                 | 8a   | 1/27/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | ND<50          | <b>199</b>     | ND<50         |
| A8a-SB2                 | 8a   | 1/27/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | ND<50          | <b>790</b>     | ND<50         |
| A8a-SB3                 | 8a   | 1/27/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | <b>2,960</b>   | <b>2,660</b>   | ND<50         |
| A8a-SB4                 | 8a   | 1/27/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | ND<50          | ND<50          | ND<50         |
| A8a-SB5                 | 8a   | 1/27/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | <b>8,150</b>   | <b>4,620</b>   | ND<50         |
| A8a-SB6                 | 8a   | 1/27/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | <b>26,800</b>  | <b>5,950</b>   | ND<50         |
| A8b-SB1                 | 8b   | 1/27/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | <b>369,000</b> | <b>125,000</b> | ND<50         |
| A8b-SB2                 | 8b   | 1/28/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | ND<50          | ND<50          | ND<50         |
| A8b-SB3                 | 8b   | 1/28/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | <b>180</b>     | <b>274</b>     | ND<50         |
| A8b-SB4                 | 8b   | 1/28/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | ND<50          | <b>903</b>     | ND<50         |
| A8c-SB1                 | 8c   | 1/27/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | ND<50          | ND<50          | ND<50         |
| A8c-SB2                 | 8c   | 1/27/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | <b>10,400</b>  | <b>1,450</b>   | ND<50         |
| A8c-SB3                 | 8c   | 1/27/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | <b>24,300</b>  | <b>2,670</b>   | ND<50         |
| A8c-SB4                 | 8c   | 1/27/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | ND<50          | ND<50          | ND<50         |
| A8d-SB1                 | 8d   | 1/26/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | ND<50          | ND<50          | ND<50         |
| A8d-SB2                 | 8d   | 1/26/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | ND<50          | <b>5,840</b>   | ND<50         |
| A8d-SB3                 | 8d   | 1/26/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | ND<50          | <b>903</b>     | ND<50         |
| A8d-SB4                 | 8d   | 1/26/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | ND<50          | <b>372</b>     | ND<50         |
| A8e-SB1                 | 8e   | 1/25/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | ND<50          | <b>219</b>     | ND<50         |
| A8e-SB2                 | 8e   | 1/25/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | ND<50          | <b>109</b>     | ND<50         |
| A8e-SB3                 | 8e   | 1/25/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | ND<50          | ND<50          | ND<50         |
| A8e-SB4                 | 8e   | 1/25/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | ND<50          | ND<50          | <b>62,800</b> |
| A8e-SB5                 | 8e   | 1/26/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | ND<50          | ND<50          | ND<50         |
| A8e-SB6                 | 8e   | 1/26/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | ND<50          | <b>1,430</b>   | ND<50         |
| A8e-SB7                 | 8e   | 1/26/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50      | ND<50          | ND<50          | ND<50         |

TABLE 1

SUMMARY OF POLYCHLORINATED BIPHENYLS (PCBS) IN SHALLOW SOIL

Riverside Scrap Iron & Metal Site

Riverside, California

Concentrations reported in micrograms per kilogram (µg/kg)

| Sample/<br>Boring<br>ID | Area | Sample<br>Date | depth<br>(feet bgs) | EPA Method 8082 (µg/kg) |          |          |          |              |              |               |
|-------------------------|------|----------------|---------------------|-------------------------|----------|----------|----------|--------------|--------------|---------------|
|                         |      |                |                     | PCB-1016                | PCB-1221 | PCB-1232 | PCB-1242 | PCB-1248     | PCB-1254     | PCB-1260      |
| Industrial RSL (ug/kg)  |      |                |                     | 27,000                  | 720      | 720      | 970      | 940          | 970          | 990           |
| Residential RSL (ug/kg) |      |                |                     | 6,600                   | 170      | 170      | 230      | 230          | 240          | 240           |
| A8e-SB8                 | 8e   | 1/26/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50        | ND<50        | ND<50         |
| A8f-SB1                 | 8f   | 1/25/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50        | ND<50        | ND<50         |
| A8f-SB2                 | 8f   | 1/25/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50        | <b>161</b>   | ND<50         |
| A8f-SB3                 | 8f   | 1/25/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50        | <b>3,070</b> | ND<50         |
| A8g-SB1                 | 8g   | 1/26/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50        | ND<50        | ND<50         |
| A8g-SB2                 | 8g   | 1/26/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50        | ND<50        | ND<50         |
| A8g-SB3                 | 8g   | 1/26/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50        | ND<50        | ND<50         |
| A8h-SB1                 | 8h   | 1/28/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50        | ND<50        | ND<50         |
| A8h-SB10                | 8h   | 1/28/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50        | ND<50        | ND<50         |
| A8h-SB2                 | 8h   | 1/28/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50        | <b>1,300</b> | ND<50         |
| A8h-SB3                 | 8h   | 1/28/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | <b>1,180</b> | <b>699</b>   | ND<50         |
| A8h-SB4                 | 8h   | 1/28/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | <b>1,570</b> | <b>552</b>   | ND<50         |
| A8h-SB5                 | 8h   | 1/28/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50        | ND<50        | ND<50         |
| A8h-SB6                 | 8h   | 1/28/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | <b>84</b>    | ND<50        | ND<50         |
| A8h-SB7                 | 8h   | 1/28/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | <b>1,730</b> | <b>1,810</b> | ND<50         |
| A8h-SB8                 | 8h   | 1/28/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | <b>1,490</b> | <b>536</b>   | ND<50         |
| A8h-SB9                 | 8h   | 1/28/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50        | ND<50        | ND<50         |
| A10a-SB1                | 10a  | 1/28/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50        | ND<50        | ND<50         |
| A10a-SB2                | 10a  | 1/28/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50        | ND<50        | ND<50         |
| A10b-SB1                | 10b  | 1/26/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50        | <b>112</b>   | ND<50         |
| A10b-SB2                | 10b  | 1/26/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | <b>2,190</b> | <b>1,290</b> | ND<50         |
| A10b-SB3                | 10b  | 1/26/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50        | <b>7,120</b> | ND<50         |
| A10b-SB4                | 10b  | 1/26/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50        | ND<50        | <b>73,800</b> |
| A12-SB1                 | 12   | 1/31/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50        | ND<50        | <b>23,000</b> |
| A12-SB2                 | 12   | 1/31/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50        | ND<50        | ND<50         |
| A12-SB3                 | 12   | 1/31/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | <b>123</b>   | ND<50        | ND<50         |
| A12-SB4                 | 12   | 1/31/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | <b>205</b>   | <b>120</b>   | ND<50         |

**TABLE 1**

**SUMMARY OF POLYCHLORINATED BIPHENYLS (PCBS) IN SHALLOW SOIL**

Riverside Scrap Iron & Metal Site

Riverside, California

Concentrations reported in micrograms per kilogram (µg/kg)

| Sample/<br>Boring<br>ID | Area | Sample<br>Date | depth<br>(feet bgs) | EPA Method 8082 (µg/kg) |          |          |          |            |            |               |
|-------------------------|------|----------------|---------------------|-------------------------|----------|----------|----------|------------|------------|---------------|
|                         |      |                |                     | PCB-1016                | PCB-1221 | PCB-1232 | PCB-1242 | PCB-1248   | PCB-1254   | PCB-1260      |
| Industrial RSL (ug/kg)  |      |                |                     | 27,000                  | 720      | 720      | 970      | 940        | 970        | 990           |
| Residential RSL (ug/kg) |      |                |                     | 6,600                   | 170      | 170      | 230      | 230        | 240        | 240           |
| A12-SB5                 | 12   | 1/31/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50      | ND<50      | <b>6,200</b>  |
| A13-SB1                 | 13   | 1/31/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50      | <b>425</b> | ND<50         |
| A13-SB2                 | 13   | 1/31/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50      | ND<50      | ND<50         |
| A13-SB3                 | 13   | 2/3/2011       | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50      | ND<50      | ND<50         |
| A8e-SB7 (D1)            | 8e   | 1/26/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50      | ND<50      | <b>165</b>    |
| A10b-SB4 (D2)           | 10b  | 1/26/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50      | ND<50      | <b>69,500</b> |
| A8a-SB1 (D3)            | 8a   | 1/27/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50      | ND<50      | ND<50         |
| A8c-SB1 (D4)            | 8c   | 1/27/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50      | ND<50      | ND<50         |
| A8a-SB4 (D5)            | 8a   | 1/27/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | <b>224</b> | <b>236</b> | ND<50         |
| A8h-SB9 (D6)            | 8h   | 1/28/2011      | 1                   | ND<50                   | ND<100   | ND<50    | ND<50    | ND<50      | ND<50      | ND<50         |

Notes and Data Qualifiers

USEPA Region IX Regional Screening Levels (RSLs), June 2015, screening levels for industrial soil and residential soil.

Soil samples collected in 2011 at 0.5 to 1 foot bgs by Ami Adini & Associates (2011) shown for completeness.

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample due either to the quality of the data generated because certain quality control criteria were not met or the sample was analyzed outside the holding time. See data quality review memo for details.

UJ = The analyte was not detected above the laboratory reporting limit but the reporting limit is approximate due either to the quality of the data generated because certain quality control criteria were not met or the sample was analyzed outside the holding time for extraction. See data quality review memo for details.

Abbreviations

bgs = Below ground surface

ND = Not detected at the reporting limit shown

PCBs = Polychlorinated biphenyls

RSL = Regional soil screening level

USEPA = United States Environmental Protection Agency

µg/kg = Micrograms per kilogram

|               |
|---------------|
| <b>Tables</b> |
|---------------|

2017 Results: Hillmann Consulting, 2017, Off-Site Preliminary Environmental Assessment, Riverside Scrap Iron & Metal, Riverside, California, February 27.

2017 Results: Hillmann, 2017, Draft Remedial Action Plan, Riverside Scrap Iron & Metal, Riverside, California, May 8.



**TABLE 2**  
**Summary of PCB Soil Sampling Results (EPA)**

| Boring ID             | Area                        | Date     | Depth (ft) | PCB 1016           | PCB 1221           | PCB 1232           | PCB 1242           | PCB 1248           | PCB 1254           | PCB 1260           | Total PCB          |
|-----------------------|-----------------------------|----------|------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| S21-0.25<br>S21-1     | 2981 6 <sup>th</sup><br>St  | Feb 2017 | 0.25<br>1  | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 |
| S22-0.25<br>S22-1     | 2981 6 <sup>th</sup><br>St  | Feb 2017 | 0.25<br>1  | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 |
| S23-0.25<br>S23-1     | 2981 6 <sup>th</sup><br>St  | Feb 2017 | 0.25<br>1  | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 |
| S24-0.25<br>S24-1     | 2981 6 <sup>th</sup><br>St  | Feb 2017 | 0.25<br>1  | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 |
| S25-0.25<br>S25-1     | Mssn Inn<br>Entry           | Feb 2017 | 0.25<br>1  | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 |
| S26-0.25<br>S26-1     | Mssn Inn<br>Entry           | Feb 2017 | 0.25<br>1  | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 |
| S27-0.25<br>S27-1     | Mssn Inn<br>Entry           | Feb 2017 | 0.25<br>1  | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | 0.076<br>ND<0.05   | 0.076<br>ND<0.05   |
| S28-0.25<br>S28-1     | Mssn Inn<br>Entry           | Feb 2017 | 0.25<br>1  | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | 0.097<br>ND<0.05   | 0.097<br>ND<0.05   |
| S29-0.25<br>S29-1     | 5 <sup>th</sup> St<br>Entry | Feb 2017 | 0.25<br>1  | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | 0.74<br>0.12       | 0.74<br>0.12       |
| S30-0.25<br>No Sample | 5 <sup>th</sup> St<br>Entry | Feb 2017 | 0.25<br>-- | 0.39<br>--         | ND<0.05<br>--      | ND<0.05<br>--      | ND<0.05<br>--      | ND<0.05<br>--      | ND<0.05<br>--      | 0.22<br>--         | 0.61<br>--         |
| S31-0.25<br>S31-1     | 5 <sup>th</sup> St<br>Entry | Feb 2017 | 0.25<br>1  | 0.31<br>ND<0.05    | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | 0.40<br>ND<0.05    | 0.71<br>ND<0.05    |
| S32-0.25<br>S32-1     | 5 <sup>th</sup> St<br>Entry | Feb 2017 | 0.25<br>1  | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 |
| S33-0.25<br>S33-1     | 5 <sup>th</sup> St<br>Entry | Feb 2017 | 0.25<br>1  | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 |
| S34-0.25<br>S34-1     | 6 <sup>th</sup> St<br>Entry | Feb 2017 | 0.25<br>1  | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | 1.05<br>0.067      | 1.05<br>0.067      |
| S35-0.25<br>S35-1     | 6 <sup>th</sup> St<br>Entry | Feb 2017 | 0.25<br>1  | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | 0.94<br>ND<0.05    | 0.94<br>ND<0.05    |
| S36-0.25<br>S36-1     | 6 <sup>th</sup> St<br>Entry | Feb 2017 | 0.25<br>1  | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | 0.061<br>ND<0.05   | 0.061<br>ND<0.05   |
| S37-0.25<br>S37-1     | 6 <sup>th</sup> St<br>Entry | Feb 2017 | 0.25<br>1  | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | 0.60<br>ND<0.05    | 0.60<br>ND<0.05    |
| S38-0.25<br>S38-1     | 6 <sup>th</sup> St<br>Entry | Feb 2017 | 0.25<br>1  | 0.059<br>ND<0.05   | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | 0.37<br>ND<0.05    | 0.429<br>ND<0.05   |
| S39-0.25<br>S39-1     | 6 <sup>th</sup> St<br>Entry | Feb 2017 | 0.25<br>1  | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | 0.13<br>ND<0.05    | 0.13<br>ND<0.05    |
| S40-0.25<br>S40-1     | 6 <sup>th</sup> St<br>Entry | Feb 2017 | 0.25<br>1  | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | ND<0.05<br>ND<0.05 | 0.40<br>ND<0.05    | 0.40<br>ND<0.05    |
| NS1                   | 8e                          | Aug 2015 | 0.25       | ND<0.02            | ND<0.02            | ND<0.02            | ND<0.02            | ND<0.02            | 0.094              | 0.057              | 0.151              |

**TABLE 2**  
**Summary of PCB Soil Sampling Results (EPA)**

| Boring ID | Area | Date     | Depth (ft) | PCB 1016 | PCB 1221 | PCB 1232 | PCB 1242 | PCB 1248 | PCB 1254 | PCB 1260 | Total PCB |
|-----------|------|----------|------------|----------|----------|----------|----------|----------|----------|----------|-----------|
| NS2       | 8d   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | 8.6      | ND<0.02  | 28       | 2.3      | 38.9      |
|           |      |          | 1          | ND<0.02  | ND<0.02  | ND<0.02  | 62       | ND<0.02  | 290      | 34       | 386       |
|           |      |          | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | 0.023    | ND<0.02  | 0.023     |
| NS3       | 8f   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | 0.047    | 0.043    | 0.09      |
| NS4       | 8e   | Aug 2015 | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | 0.130    | 0.033    | 0.163     |
| NS5       | 8f   | Aug 2015 | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND        |
| NS6       | 8e   | Aug 2015 | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND        |
| NS7       | 8a   | Aug 2015 | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | 0.055    | ND<0.02  | 0.11     | 0.058    | 0.223     |
| NS8       | 8a   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | 2.2      | ND<0.02  | 0.35     | 0.11     | 2.66      |
|           |      |          | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND        |
| NS9       | 8a   | Aug 2015 | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND        |
| NS10A     | 8a   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | 0.11     | ND<0.02  | 0.200    | 0.100    | 0.41      |
| NS11      | 10b  | Aug 2015 | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | 0.039    | 0.027    | 0.066     |
| NS12      | 10b  | Aug 2015 | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND        |
| NS13      | 10b  | Aug 2015 | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | 0.071    | ND<0.02  | 0.076    | 0.032    | 0.179     |
| NS14      | 8c   | Aug 2015 | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND        |
| NS15      | 8c   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | 1.5      | ND<0.02  | 1.6      | 0.29     | 3.39      |
|           |      |          | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND        |
| NS16      | 12   | Aug 2015 | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND        |
| NS17      | 8h   | Aug 2015 | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND        |
| NS18      | 8h   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | 0.25     | ND<0.02  | 0.42     | 0.15     | 0.82      |
|           |      |          | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND        |
| NS19      | 8h   | Aug 2015 | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND        |
| NS20      | 8h   | Aug 2015 | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | 3.2      | ND<0.02  | 10.5     | 1.1      | 14.8      |
|           |      |          | 5          | ND<0.02  | ND<0.02  | ND<0.02  | 1.1      | ND<0.02  | 0.48     | 0.29     | 1.87      |
| NS21      | 8h   | Aug 2015 | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND        |
| NS24      | 8e   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | 0.024    | 0.021    | 0.045     |
|           |      |          | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND        |
| NS25      | 8d   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | 1.3      | 0.14     | 1.44      |
|           |      |          | 1          | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | 0.042    | ND<0.02  | 0.042     |
| NS26      | 8d   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | 0.32     | ND<0.02  | 12       | 1.6      | 13.92     |
|           |      |          | 1          | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND        |
| NS27      | 8a   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | 0.12     | 0.097    | 0.217     |
| NS28      | 8c   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | 2.0      | ND<0.02  | 0.86     | 0.18     | 3.04      |
|           |      |          | 1          | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND        |
| NS29      | 8c   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | 0.058    | ND<0.02  | 0.11     | 0.089    | 0.257     |

**TABLE 2**  
**Summary of PCB Soil Sampling Results (EPA)**

| Boring ID | Area | Date     | Depth (ft) | PCB 1016 | PCB 1221 | PCB 1232 | PCB 1242 | PCB 1248 | PCB 1254 | PCB 1260 | Total PCB |
|-----------|------|----------|------------|----------|----------|----------|----------|----------|----------|----------|-----------|
| NS30      | 8h   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | 0.044    | 0.045    | 0.089     |
| S1        | 8e   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND        |
|           |      |          | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02   |
| S2        | 8e   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | 0.051    | ND<0.02  | 0.051     |
|           |      |          | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02   |
| S3        | 8f   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | 0.076    | 0.047    | 0.123     |
|           |      |          | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02   |
| S4        | 8d   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | 0.14     | ND<0.02  | 0.94     | 0.071    | 1.151     |
|           |      |          | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02   |
| S5        | 8e   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | 0.17     | 0.093    | 0.263     |
|           |      |          | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02   |
| S6        | 8d   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | 19       | ND<0.02  | 51       | 6.1      | 76.1      |
| S7        | 12   | Aug 2015 | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND        |
| S8        | 8a   | Aug 2015 | 2.5        | ND<0.2   | ND<0.2   | ND<0.2   | ND<0.2   | ND<0.2   | ND<0.2   | ND<0.2   | ND        |
| S9        | 8a   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | 0.12     | ND<0.02  | 0.28     | 0.13     | 0.53      |
| S10       | 12   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | 1.4      | ND<0.02  | 4.3      | 3.5      | 9.2       |
|           |      |          | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02   |
| S11       | 8a   | Aug 2015 | 0.25       | ND<0.2   | ND<0.2   | ND<0.2   | 1.6      | ND<0.2   | 1.4      | 0.43     | 3.43      |
|           |      |          | 1          | ND<0.2   | ND<0.2   | ND<0.2   | ND<0.2   | ND<0.2   | ND<0.2   | ND<0.2   | ND        |
|           |      |          | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02   |
| S12       | 8a   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND        |
| S13       | 8a   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | 4.2      | ND<0.02  | 1.6      | 0.3      | 6.1       |
| S14       | 10b  | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | 2.9      | ND<0.02  | 15       | 9.3      | 27.2      |
|           |      |          | 1          | ND<0.2   | ND<0.2   | ND<0.2   | 48       | ND<0.2   | 50       | 18       | 116       |
|           |      |          | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.2   | ND<0.02  | 0.038    | ND<0.02  | 0.038     |
| S15       | 8c   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | 0.23     | ND<0.02  | 0.095    | 0.023    | 0.348     |
|           |      |          | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02   |
| S16       | 8b   | Aug 2015 | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND        |
| S17       | 8g   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | 0.026    | ND<0.02  | 0.06     | 0.030    | 0.116     |
| S18       | 8h   | Aug 2015 | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND        |
| S19       | 8g   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND        |
|           |      |          | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02   |
| ES1       | 10a  | Aug 2015 | 0.25       | ND<0.2   | ND<0.2   | ND<0.2   | ND<0.2   | ND<0.2   | ND<0.2   | ND<0.2   | ND        |
|           |      |          | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02   |
| ES2       | 8b   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | 0.022    | 0.022     |
|           |      |          | 2.5        | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02   |
| ES3       | 8h   | Aug 2015 | 0.25       | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | ND<0.02  | 0.410    | 0.170    | 0.58      |

**TABLE 2**  
**Summary of PCB Soil Sampling Results (EPA)**

| Boring ID | Area | Date     | Depth (ft) | PCB 1016 | PCB 1221 | PCB 1232 | PCB 1242 | PCB 1248 | PCB 1254 | PCB 1260 | Total PCB |
|-----------|------|----------|------------|----------|----------|----------|----------|----------|----------|----------|-----------|
| A8a-SB1   | 8a   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | 0.199    | ND<0.05  | 0.199     |
| A8a-SB2   | 8a   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | 0.790    | ND<0.05  | 0.79      |
| A8a-SB3   | 8a   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | 2.96     | 2.66     | ND<0.05  | 5.62      |
| A8a-SB4   | 8a   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A8a-SB5   | 8a   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | 8.15     | 4.62     | ND<0.05  | 12.77     |
| A8a-SB6   | 8a   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | 26.8     | 5.95     | ND<0.05  | 32.75     |
| A8b-SB1   | 8b   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | 369      | 125      | ND<0.05  | 494       |
| A8b-SB2   | 8b   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A8b-SB3   | 8b   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | 0.18     | 0.274    | ND<0.05  | 0.454     |
| A8b-SB4   | 8b   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | 0.903    | ND<0.05  | 0.903     |
| A8c-SB1   | 8c   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A8c-SB2   | 8c   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | 10.4     | 1.45     | ND<0.05  | 11.85     |
| A8c-SB3   | 8c   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | 24.3     | 2.67     | ND<0.05  | 26.97     |
| A8c-SB4   | 8c   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A8d-SB1   | 8d   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A8d-SB2   | 8d   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | 5.84     | ND<0.05  | 5.84      |
| A8d-SB3   | 8d   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | 0.903    | ND<0.05  | 0.903     |
| A8d-SB4   | 8d   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | 0.372    | ND<0.05  | 0.372     |
| A8e-SB1   | 8e   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | 0.219    | ND<0.05  | 0.219     |
| A8e-SB2   | 8e   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | 0.109    | ND<0.05  | 0.109     |
| A8e-SB3   | 8e   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A8e-SB4   | 8e   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | 62.8     | 62.8      |
| A8e-SB5   | 8e   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A8e-SB6   | 8e   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | 1.43     | ND<0.05  | 1.43      |
| A8e-SB7   | 8e   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A8e-SB8   | 8e   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A8f-SB1   | 8f   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A8f-SB2   | 8f   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | 0.161    | ND<0.05  | 0.161     |
| A8f-SB3   | 8f   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | 3.070    | ND<0.05  | 3.07      |
| A8g-SB1   | 8g   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A8g-SB2   | 8g   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |

**TABLE 2**  
**Summary of PCB Soil Sampling Results (EPA)**

| Boring ID         | Area | Date     | Depth (ft) | PCB 1016 | PCB 1221 | PCB 1232 | PCB 1242 | PCB 1248 | PCB 1254 | PCB 1260 | Total PCB |
|-------------------|------|----------|------------|----------|----------|----------|----------|----------|----------|----------|-----------|
| A8g-SB3           | 8g   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A8h-SB1           | 8h   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A8h-SB10          | 8h   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A8h-SB2           | 8h   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | 1.3      | ND<0.05  | 1.3       |
| A8h-SB3           | 8h   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | 1.18     | 0.699    | ND<0.05  | 1.879     |
| A8h-SB4           | 8h   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | 1.57     | 0.552    | ND<0.05  | 2.122     |
| A8h-SB5           | 8h   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A8h-SB6           | 8h   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | 0.084    | ND<0.05  | ND<0.05  | 0.084     |
| A8h-SB7           | 8h   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | 1.73     | 1.810    | ND<0.05  | 3.54      |
| A8h-SB8           | 8h   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | 1.49     | 0.536    | ND<0.05  | 2.026     |
| A8h-SB9           | 8h   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A10a-SB1          | 10a  | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A10a-SB2          | 10a  | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A10b-SB1          | 10b  | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | 0.112    | ND<0.05  | 0.112     |
| A10b-SB2          | 10b  | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | 2.190    | 1.29     | ND<0.05  | 3.48      |
| A10b-SB3          | 10b  | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | 7.12     | ND<0.05  | 7.12      |
| A10b-SB4          | 10b  | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | 73.8     | 73.8      |
| A12-SB1           | 12   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | 23       | 23        |
| A12-SB2           | 12   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A12-SB3           | 12   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | 0.123    | ND<0.05  | ND<0.05  | 0.123     |
| A12-SB4           | 12   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | 0.205    | 0.120    | ND<0.05  | 0.325     |
| A12-SB5           | 12   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | 6.2      | 6.2       |
| A13-SB1           | 13   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | 0.425    | ND<0.05  | 0.425     |
| A13-SB2           | 13   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A13-SB3           | 13   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| Duplicate Samples |      |          |            |          |          |          |          |          |          |          |           |
| A8e-SB7 (D1)      | 8e   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | 0.165    | 0.165     |
| A10b-SB4 (D2)     | 10b  | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | 69.5     | 69.5      |
| A8a-SB1 (D3)      | 8a   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A8c-SB1 (D4)      | 8c   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND<0.05  | ND        |
| A8a-SB4 (D5)      | 8a   | Jan 2011 | 1          | ND<0.05  | ND<0.1   | ND<0.05  | ND<0.05  | 0.224    | 0.236    | ND<0.05  | 0.46      |

**TABLE 2**  
**Summary of PCB Soil Sampling Results (EPA)**

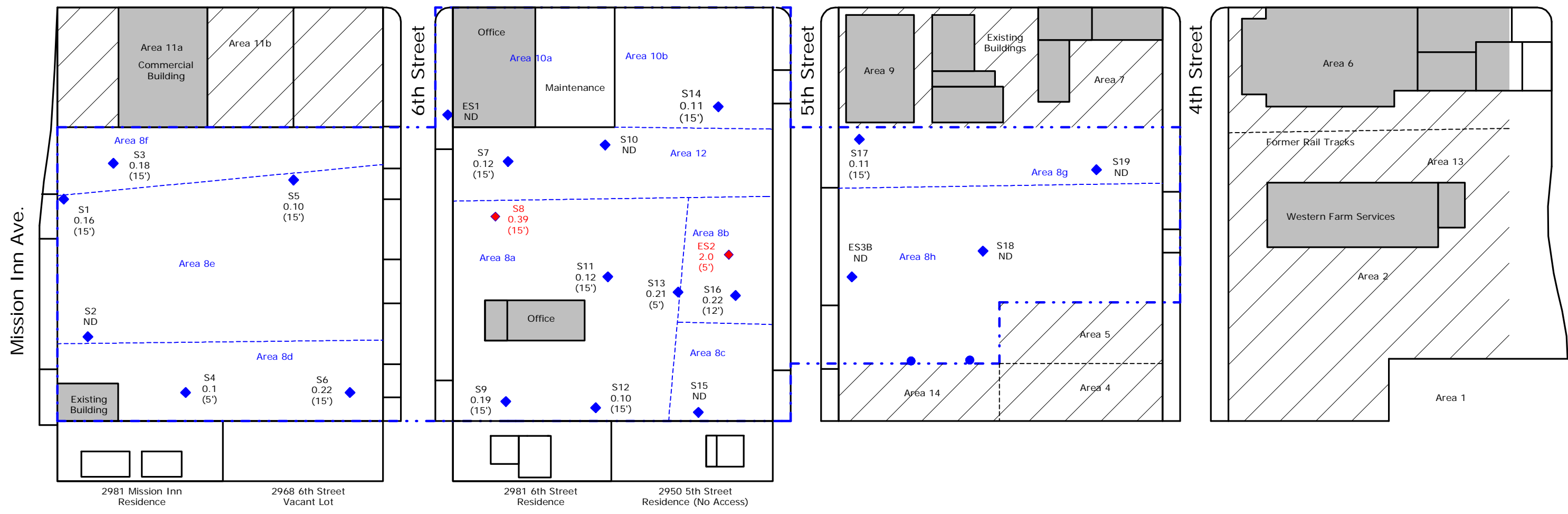
| <b>Boring ID</b> | <b>Area</b> | <b>Date</b> | <b>Depth (ft)</b> | <b>PCB 1016</b> | <b>PCB 1221</b> | <b>PCB 1232</b> | <b>PCB 1242</b> | <b>PCB 1248</b> | <b>PCB 1254</b> | <b>PCB 1260</b> | <b>Total PCB</b> |
|------------------|-------------|-------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|
| A8h-SB9 (D6)     | 8h          | Jan 2011    | 1                 | ND<0.05         | ND<0.1          | ND<0.05         | ND<0.05         | ND<0.05         | ND<0.05         | ND<0.05         | ND               |

Notes: USEPA requires a table that shows all PCB sampling results in mg/kg, and with a total PCB column. The Aroclors presented were the only ones detected in the testing. Samples with greater than 50 mg/Kg highlighted in RED.

## APPENDIX C.

### Historical Distribution of PCE in Soil Gas

Commerce Street

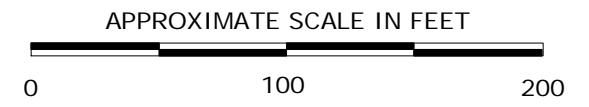


LEGEND

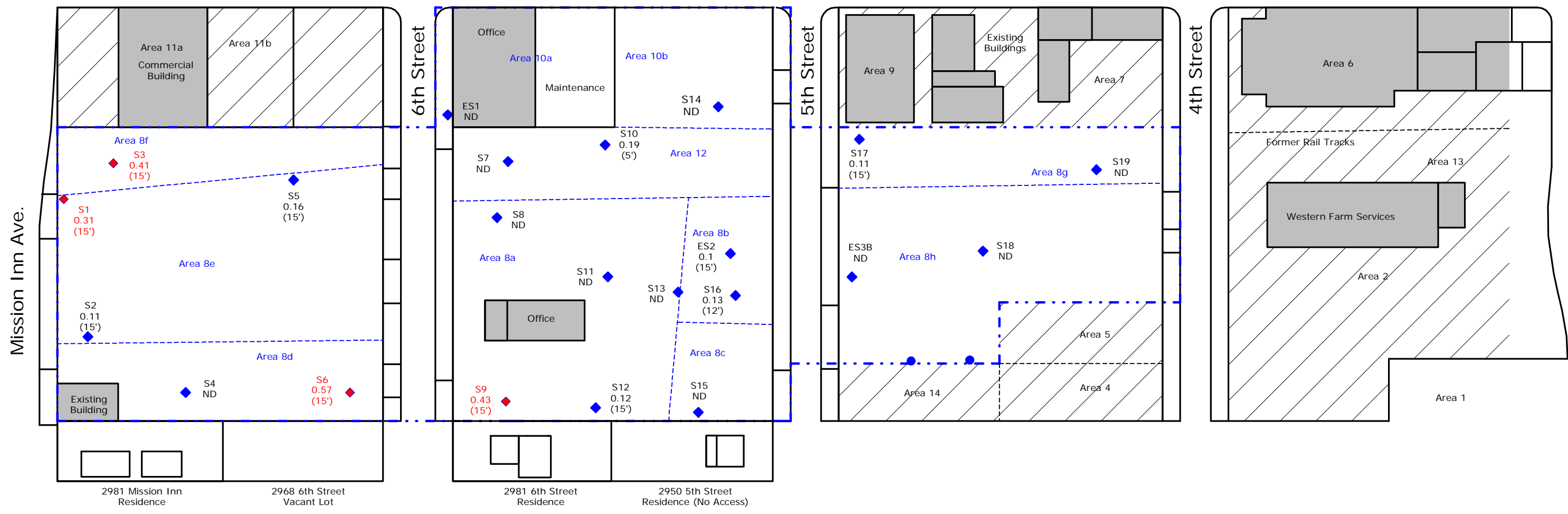
◆ Soil Gas Sampling Locations (Amec 2015)

**FIGURE 9A**  
**DISTRIBUTION OF PCE IN SOIL GAS**  
**RIVERSIDE SCRAP IRON & METAL**  
**Riverside, California**

Maximum PCE Concentrations Shown in ug/L.  
 Concentrations >0.24 ug/L Shown in RED.



Commerce Street

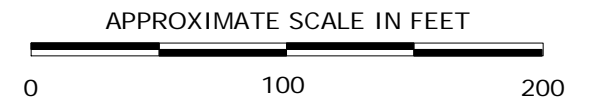


LEGEND

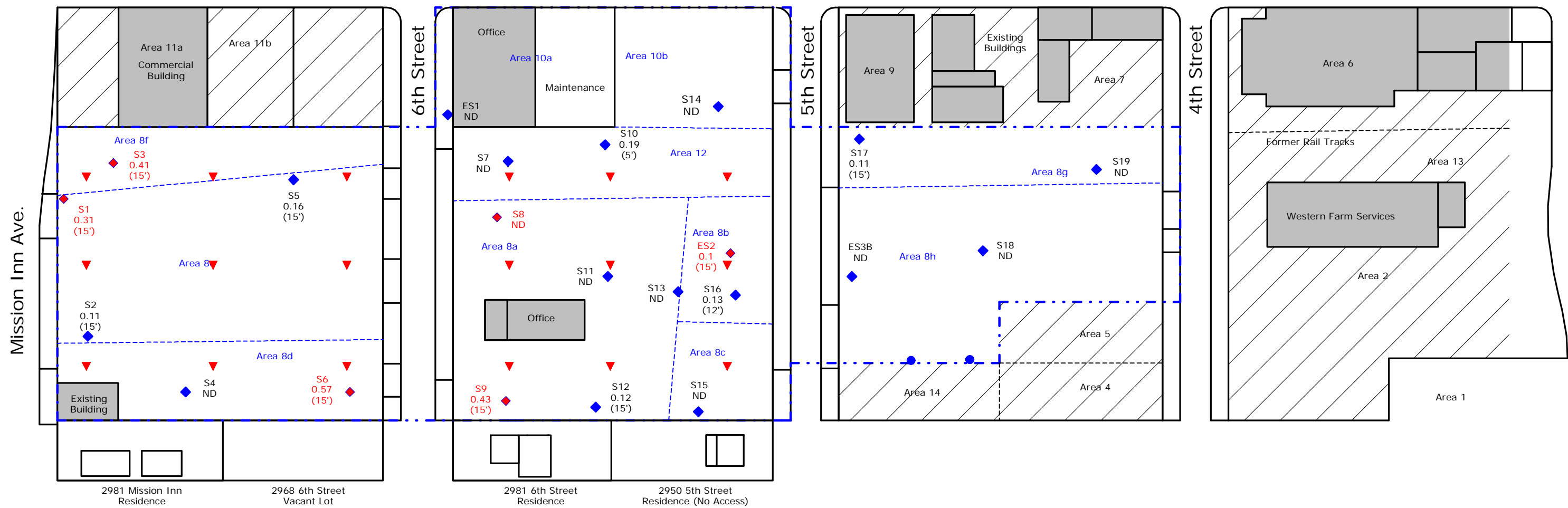
◆ Soil Gas Sampling Locations (Amec 2015)

**FIGURE 9B**  
**DISTRIBUTION OF TCE IN SOIL GAS**  
**RIVERSIDE SCRAP IRON & METAL**  
**Riverside, California**

Maximum TCE Concentrations Shown in ug/L.  
 Concentrations >0.24 ug/L Shown in RED.



Commerce Street



LEGEND

- ◆ Soil Gas Sampling Locations (Amec 2015)
- ▼ Proposed Soil Gas Probes (After Excavation Program)

FIGURE 9C  
 PROPOSED SOIL GAS PROBES  
 RIVERSIDE SCRAP IRON & METAL  
 Riverside, California

Probes with Maximum TCE or PCE Concentrations  
 >0.24 ug/L Shown in RED.

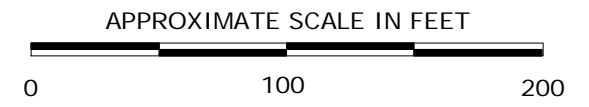


TABLE 7

SUMMARY OF VOLATILE ORGANIC COMPOUNDS (VOCS) AND GASOLINE RANGE ORGANICS (GRO) IN SOIL GAS  
 Riverside Scrap Iron & Metal Site  
 Riverside, California

Results reported in micrograms per liter (µg/L)

| Soil Gas Probe Designation                              | Depth (feet bgs) | Purge Volume (µg/L) | Date      | Chloro-methane | Freon 12    | Freon 11    | TCE         | PCE         | IPA    | Gasoline Range Organics |
|---|------------------|---------------------|-----------|----------------|-------------|-------------|-------------|-------------|--------|-------------------------|
| <b>Industrial RSLs or DTSC-modified Screening Level</b> |                  |                     |           | 390            | 440         | 3,100       | 3           | 2.1         | 880    | NA                      |
| <b>Ambient Air</b>                                      | ---              | ---                 | 10/1/2015 | ND<0.10        | ND<0.10     | ND<0.10     | ND<0.10     | ND<0.10     | ND<1.0 | ND<10                   |
|   | ---              | ---                 | 10/2/2015 | ND<0.10        | ND<0.10     | ND<0.10     | ND<0.10     | ND<0.10     | ND<1.0 | ND<10                   |
| <b>S1</b>   | 5                | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | ND<0.10     | ND<0.10     | ND<0.10     | ND<1.0 | ND<10                   |
| <b>S1</b>   | 15               | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | ND<0.10     | <b>0.31</b> | <b>0.16</b> | ND<1.0 | ND<10                   |
| <b>S2</b>   | 5                | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | ND<0.10     | ND<0.10     | ND<0.10     | ND<1.0 | ND<10                   |
| <b>S2</b>   | 15               | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | ND<0.10     | <b>0.11</b> | ND<0.10     | ND<1.0 | ND<10                   |
| <b>S3</b>   | 5                | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | ND<0.10     | ND<0.10     | ND<0.10     | ND<1.0 | ND<10                   |
| <b>S3</b>   | 15               | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | ND<0.10     | <b>0.37</b> | <b>0.17</b> | ND<1.0 | ND<10                   |
| <b>S3</b>   | 15 Dup           | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | ND<0.10     | <b>0.41</b> | <b>0.18</b> | ND<1.0 | ND<10                   |
| <b>S4</b>   | 5                | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | ND<0.10     | ND<0.10     | <b>0.10</b> | ND<1.0 | ND<10                   |
| <b>S4</b>   | 15               | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | ND<0.10     | ND<0.10     | ND<0.10     | ND<1.0 | ND<10                   |
| <b>S5</b>   | 5                | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | ND<0.10     | ND<0.10     | ND<0.10     | ND<1.0 | ND<10                   |
| <b>S5</b>   | 15               | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | ND<0.10     | <b>0.16</b> | <b>0.10</b> | ND<1.0 | ND<10                   |
| <b>S6</b>   | 5                | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | ND<0.10     | <b>0.14</b> | <b>0.14</b> | ND<1.0 | ND<10                   |
| <b>S6</b>   | 15               | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | ND<0.10     | <b>0.57</b> | <b>0.22</b> | ND<1.0 | ND<10                   |
| <b>S7</b>   | 5                | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | ND<0.10     | ND<0.10     | ND<0.10     | ND<1.0 | ND<10                   |
| <b>S7</b>   | 15               | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | ND<0.10     | ND<0.10     | <b>0.12</b> | ND<1.0 | ND<10                   |
| <b>S8</b>   | 5                | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | <b>0.12</b> | ND<0.10     | ND<0.10     | ND<1.0 | ND<200                  |
| <b>S8</b>   | 15               | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | <b>0.18</b> | ND<0.10     | <b>0.39</b> | ND<1.0 | ND<10                   |
| <b>S9</b>   | 5                | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | ND<0.10     | ND<0.10     | ND<0.10     | ND<1.0 | ND<10                   |
| <b>S9</b>   | 15               | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | ND<0.10     | <b>0.43</b> | <b>0.19</b> | ND<1.0 | ND<10                   |
| <b>S10</b>  | 5                | 3                   | 10/2/2015 | ND<0.10        | ND<0.10     | <b>0.21</b> | <b>0.19</b> | ND<0.10     | ND<1.0 | ND<10                   |
| <b>S10</b>  | 15               | 3                   | 10/2/2015 | ND<0.10        | ND<0.10     | ND<0.10     | ND<0.10     | ND<0.10     | ND<1.0 | ND<10                   |
| <b>S11</b>  | 5                | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | <b>1.9</b>  | ND<0.10     | ND<0.10     | ND<1.0 | ND<10                   |
| <b>S11</b>  | 15               | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | <b>2.6</b>  | ND<0.10     | <b>0.12</b> | ND<1.0 | ND<10                   |
| <b>S11</b>  | 15 Dup           | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | <b>2.6</b>  | ND<0.10     | <b>0.12</b> | ND<1.0 | ND<10                   |
| <b>S12</b>  | 5                | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | <b>1.1</b>  | ND<0.10     | ND<0.10     | ND<1.0 | ND<10                   |
| <b>S12</b>  | 15               | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | <b>1.5</b>  | <b>0.12</b> | <b>0.10</b> | ND<1.0 | ND<10                   |
| <b>S13 (see notes)</b>                                  | 5                | 3                   | 10/1/2015 | <b>0.49</b>    | <b>0.28</b> | <b>15</b>   | ND<0.10     | <b>0.21</b> | ND<1.0 | ND<10                   |
| <b>S13 (See notes)</b>                                  | 15               | 3                   | 10/1/2015 | ND<0.10        | <b>0.34</b> | <b>12</b>   | ND<0.10     | <b>0.18</b> | ND<1.0 | ND<10                   |
| <b>S14</b>  | 5                | 3                   | 10/2/2015 | ND<0.10        | ND<0.10     | <b>0.16</b> | ND<0.10     | ND<0.10     | ND<1.0 | ND<10                   |
| <b>S14</b>  | 15               | 3                   | 10/2/2015 | ND<0.10        | ND<0.10     | <b>0.11</b> | ND<0.10     | <b>0.11</b> | ND<1.0 | ND<10                   |
| <b>S15</b>  | 5                | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | <b>1.4</b>  | ND<0.10     | ND<0.10     | ND<1.0 | ND<10                   |
| <b>S15</b>  | 15               | 3                   | 10/1/2015 | ND<0.10        | ND<0.10     | <b>1.0</b>  | ND<0.10     | ND<0.10     | ND<1.0 | ND<10                   |
| <b>S16A</b>   | 5                | 3                   | 10/2/2015 | ND<0.10        | ND<0.10     | <b>3.5</b>  | ND<0.10     | <b>0.12</b> | ND<1.0 | ND<10                   |
| <b>S16A</b>   | 12               | 3                   | 10/2/2015 | ND<0.10        | ND<0.10     | <b>3.0</b>  | <b>0.13</b> | <b>0.22</b> | ND<1.0 | ND<10                   |
| <b>S17</b>  | 5                | 3                   | 10/2/2015 | ND<0.10        | ND<0.10     | ND<0.10     | ND<0.10     | ND<0.10     | ND<1.0 | ND<10                   |
| <b>S17</b>  | 15               | 3                   | 10/2/2015 | ND<0.10        | ND<0.10     | ND<0.10     | <b>0.11</b> | <b>0.11</b> | ND<1.0 | ND<10                   |

**TABLE 7**

**SUMMARY OF VOLATILE ORGANIC COMPOUNDS (VOCs) AND GASOLINE RANGE ORGANICS (GRO) IN SOIL GAS**  
 Riverside Scrap Iron & Metal Site  
 Riverside, California

Results reported in micrograms per liter (µg/L)

| Soil Gas Probe Designation | Depth (feet bgs) | Purge Volume (µg/L) | Date      | Chloro-methane | Freon 12  | Freon 11     | TCE         | PCE        | IPA         | Gasoline Range Organics |
|----------------------------|------------------|---------------------|-----------|----------------|-----------|--------------|-------------|------------|-------------|-------------------------|
| <b>S18</b>                 | 5                | 3                   | 10/2/2015 | ND<0.10UJ      | ND<0.10UJ | <b>0.62J</b> | ND<0.10UJ   | ND<0.10UJ  | <b>3.3J</b> | ND<10                   |
| <b>S18</b>                 | 15               | 3                   | 10/2/2015 | ND<0.10        | ND<0.10   | <b>0.50</b>  | ND<0.10     | ND<0.10    | ND<1.0      | ND<10                   |
| <b>S18</b>                 | 15 Dup           | 3                   | 10/2/2015 | ND<0.10        | ND<0.10   | <b>0.46</b>  | ND<0.10     | ND<0.10    | ND<1.0      | ND<10                   |
| <b>S19</b>                 | 5                | 3                   | 10/2/2015 | ND<0.10        | ND<0.10   | ND<0.10      | ND<0.10     | ND<0.10    | ND<1.0      | ND<10                   |
| <b>S19</b>                 | 15               | 3                   | 10/2/2015 | ND<0.10        | ND<0.10   | ND<0.10      | ND<0.10     | ND<0.10    | ND<1.0      | ND<10                   |
| <b>ES1</b>                 | 5                | 3                   | 10/2/2015 | ND<0.10        | ND<0.10   | ND<0.10      | ND<0.10     | ND<0.10    | ND<1.0      | ND<10                   |
| <b>ES1</b>                 | 15               | 3                   | 10/2/2015 | ND<0.10        | ND<0.10   | ND<0.10      | ND<0.10     | ND<0.10    | ND<1.0      | ND<10                   |
| <b>ES2</b>                 | 5                | 3                   | 10/2/2015 | ND<0.10        | ND<0.10   | <b>0.78</b>  | ND<0.10     | <b>2.0</b> | ND<1.0      | ND<10                   |
| <b>ES2</b>                 | 15               | 3                   | 10/2/2015 | ND<0.10        | ND<0.10   | <b>0.69</b>  | <b>0.10</b> | <b>1.1</b> | ND<1.0      | ND<10                   |
| <b>ES3B</b>                | 5                | 3                   | 10/2/2015 | ND<0.10        | ND<0.10   | ND<0.10      | ND<0.10     | ND<0.10    | ND<1.0      | ND<10                   |
| <b>ES3B</b>                | 5 Dup            | 3                   | 10/2/2015 | ND<0.10        | ND<0.10   | ND<0.10      | ND<0.10     | ND<0.10    | ND<1.0      | ND<10                   |
| <b>ES3B</b>                | 11.25            | 3                   | 10/2/2015 | ND<0.10        | ND<0.10   | <b>0.19</b>  | ND<0.10     | ND<0.10    | ND<1.0      | ND<10                   |

Notes and Data Qualifiers

Volatile Organic Compounds (VOCs) and Gasoline Range Organics (GRO) were analyzed using United States Environmental Protection Agency (EPA) Method 8260M. All remaining VOCs were not detected. For a complete list of EPA 8260M analytes, see laboratory reports.

The Regional Screening Levels (RSLs) are from the EPA Region 9, revised June 2015, <http://www.epa.gov/region9/superfund/prg/>. RSLs were adjusted for a default (DTSC, 2011) attenuation factor for existing commercial buildings by multiplying the air RSLs by 1000 (representing a soil vapor-to-indoor air attenuation factor of 0.001). Therefore, the soil vapor screening levels presented are protective of existing buildings. The DTSC-modified screening level (DTSC, 2015) was used for PCE (italicized) because it was more conservative than the USEPA RSL.

S13 at 5 bgs and S13 at 15 feet bgs -Freon 11 concentrations from soil vapor samples exceeded the laboratory instrument calibration range. The samples were re-run at a higher dilution rate to quantify Freon 11 concentrations.

J - The analyte was positively identified. However, the leak detection compound IPA was detected in the sample at a concentration greater than 10 times the reporting limit of target analytes and therefore, the detected value is estimated.

UJ - The analyte was reported as not detected at the laboratory reporting limit. However, the leak detection compound IPA was detected in the sample at concentration greater than 10 times the reporting limit of the target analytes and therefore, the reporting limit is estimated.

Abbreviations

|  |                                |
|--|--------------------------------|
| bgs = Below ground surface                     | IPA = Isopropanol              |
| ND = Not detected at the reporting limit shown | NA = Not available             |
| DUP = Duplicate sample                         | PCE = Tetrachloroethene        |
| DTSC = Department of Toxic Substances Control  | RSL = Regional Screening Level |
| Freon 11 = Trichlorofluoromethane              | TCE = Trichloroethene          |
| Freon 12 = Dichlorodifluoromethane             | µg/L = Micrograms per liter    |

References

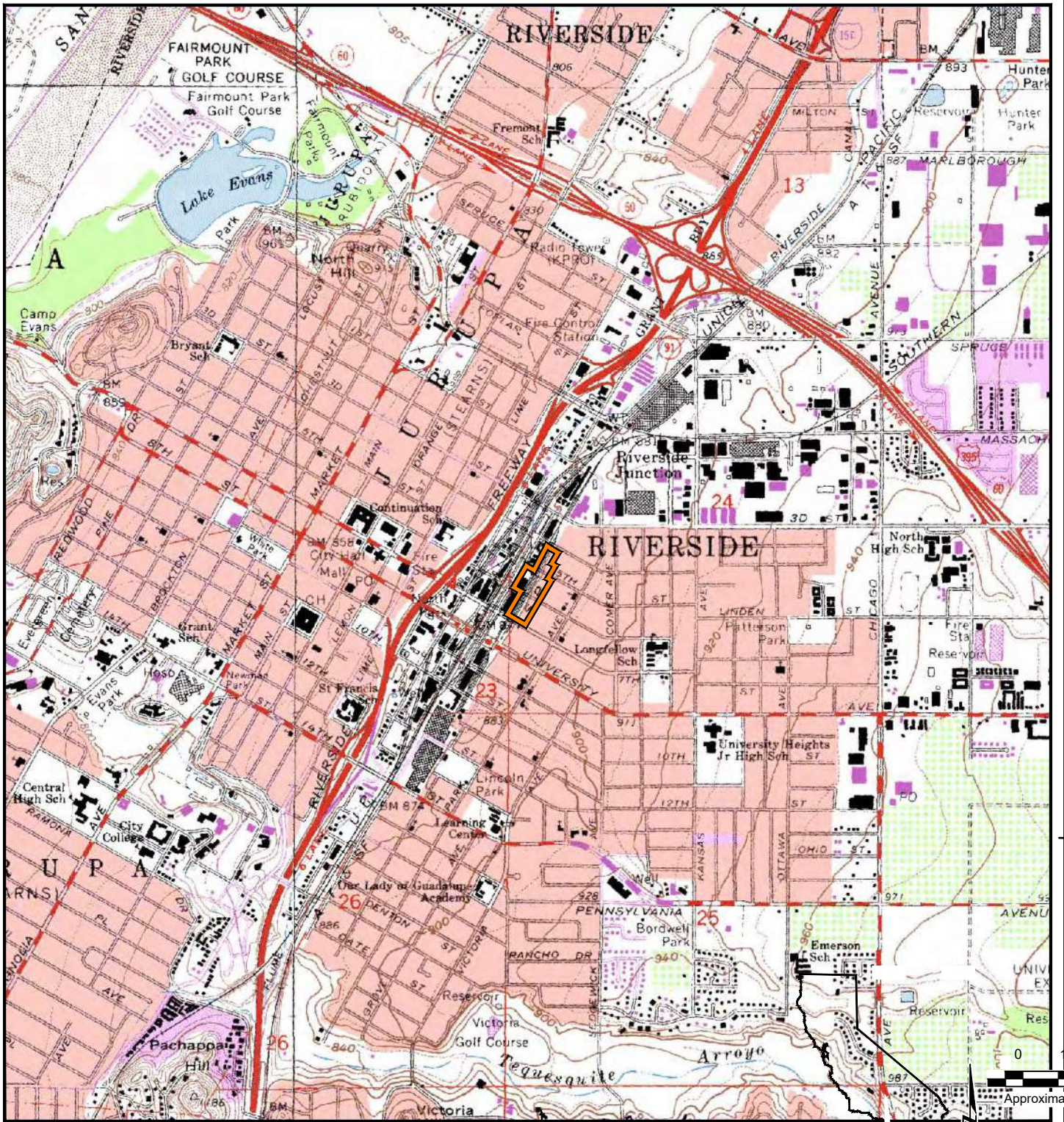
DTSC, 2015, Human Health Risk Assessment (HHRA) Note #3, DTSC-modified Screening Levels (DTSC-SLs), Human and Ecological Risk Office (HERO), October.  
 DTSC, 2011, Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air, October.

## APPENDIX D.

Data from 2015 AMEC Investigation

# APPENDIX A

## AMEC Data



**REFERENCE:**

USGS 7.5 Minute Quadrangle Maps RIVERSIDE EAST, RIVERSIDE WEST, SAN BERNARDINO SOUTH, & FONTANA, California, 1967.  
 Photos used 1980.



**SITE LOCATION MAP**

Riverside Scrap Iron & Metal Site

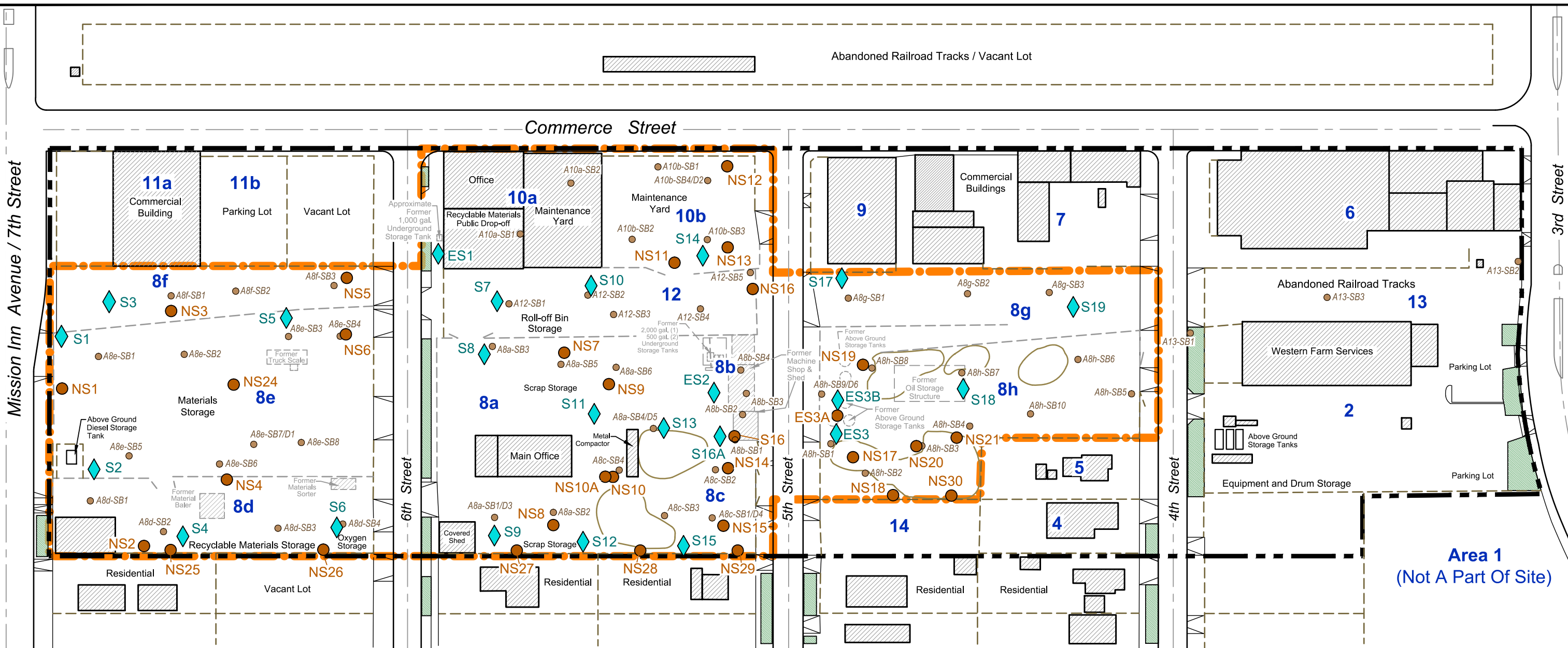
Riverside, California

Project No. 4681002015

grr Drawn By Submitted By:



Plot Date: 10/16/2015 11:38:50 AM. Plotted by: joanna.worker. Drawing Path: W:\Projects\010468.004 (Riverside Scrap Iron)\010468.004 (RS&M)\ACAD\Sample Locs.dwg. Sample locs



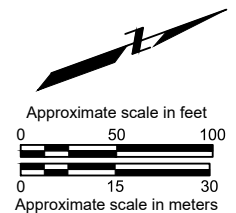
**Explanation**

- NS30 ● Soil sampling location (Amec Foster Wheeler, 2015)
- S19 ◆ Soil sampling and soil gas probe location (Amec Foster Wheeler, 2015)
- A13-SB3 ● Soil sample (Ami Adini & Associates, 2011)
- A8h-SB9/D6 ● Soil sample/duplicate (Ami Adini & Associates, 2011)
- 8h Site Area designation (Geomatrix, 2005)

- Building
- Former building or structure
- Former scrap heap
- Fence or wall
- Former fence or wall
- Riverside Marketplace Industrial District
- Riverside Scrap Metal & Iron Site
- Landscaped area

**Notes:**

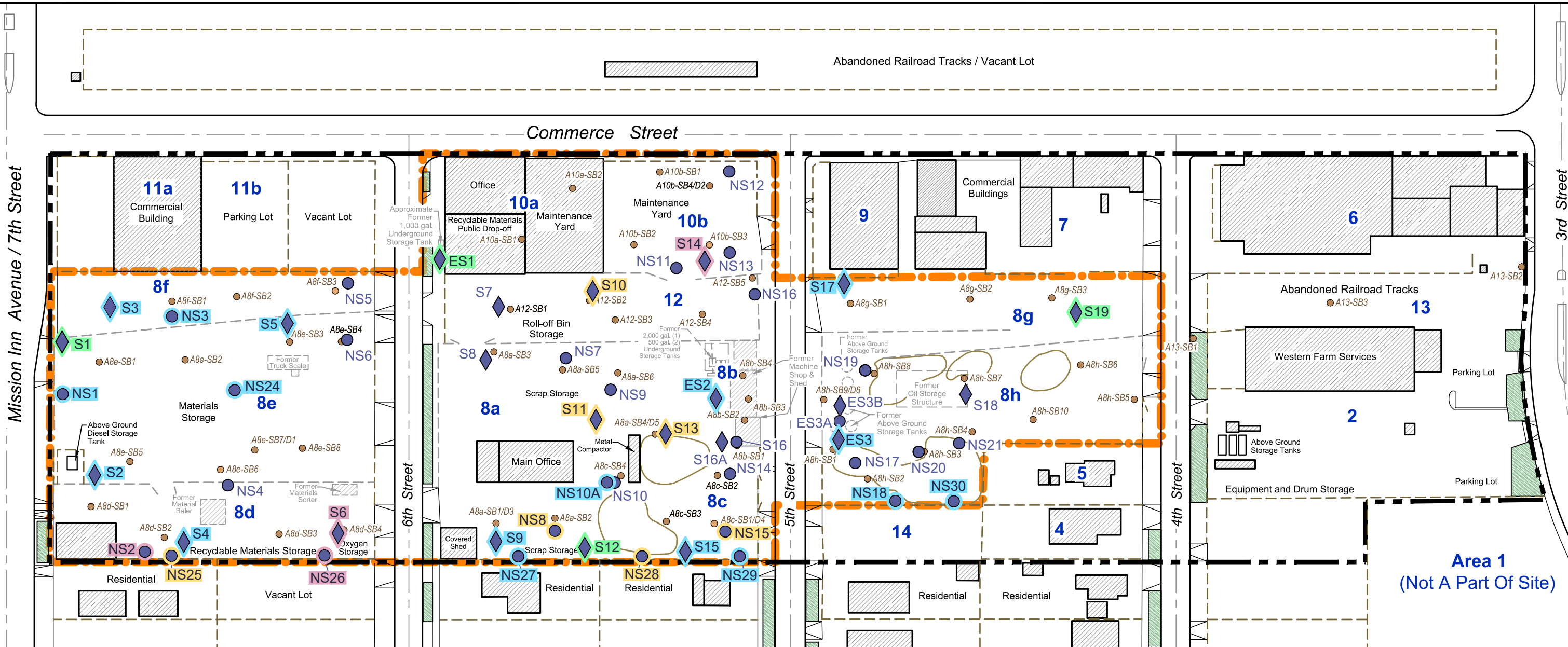
1. All locations are approximate.
2. Scrap heaps shown from locations identified in January/February 2011 field work.



Basemap modified from a drawing by Ami Adini & Associates, dated April 2011, and an aerial photo by Eagle Aerials, dated February 2011.

|   |                         |                               |
|---|-------------------------|-------------------------------|
| <b>SAMPLING LOCATIONS</b><br>Riverside Scrap Iron & Metal Site<br>Riverside, California |                         | <br>amec<br>foster<br>wheeler |
| Date: 10/16/2015  | Project No. 010468.0040 |                               |
| Submitted By: grr   | Drawn By: jrw           |                               |

Plot Date: 10/27/2015 8:55:47 AM, Plotted by: joanna.worker, Drawing Path: W:\Projects\010468.000 (Riverside Scrap Iron)\010468.004 (RSL&M)\ACAD\Results-2015.dwg, PCBs\_0.25



**Explanation**

- NS30 ● Soil sampling location (Amec Foster Wheeler, 2015)
- S19 ◆ Soil sampling and soil gas probe location (Amec Foster Wheeler, 2015)
- A13-SB3 ● Soil sample (Ami Adini & Associates, 2011)
- A8h-SB9/D6 ● Soil sample/duplicate (Ami Adini & Associates, 2011)

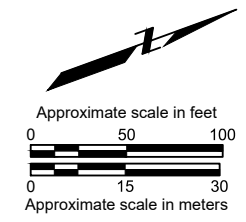
- 8h Site Area designation (Geomatrix, 2005)
- ▨ Building
- ▨ Former building or structure
- Former scrap heap
- - - Fence or wall
- - - Former fence or wall
- ▬▬▬ Riverside Marketplace Industrial District
- Riverside Scrap Metal & Iron Site
- ▨ Landscaped area

**Polychlorinated Biphenyl (PCB) Concentrations**

- ▨ All Aroclors Not Detected
- ▨ All Aroclors < Regional Screening Level (RSL)
- ▨ One or more Aroclors > RSL
- ▨ One or more Aroclors > 10x RSL

**Notes:**

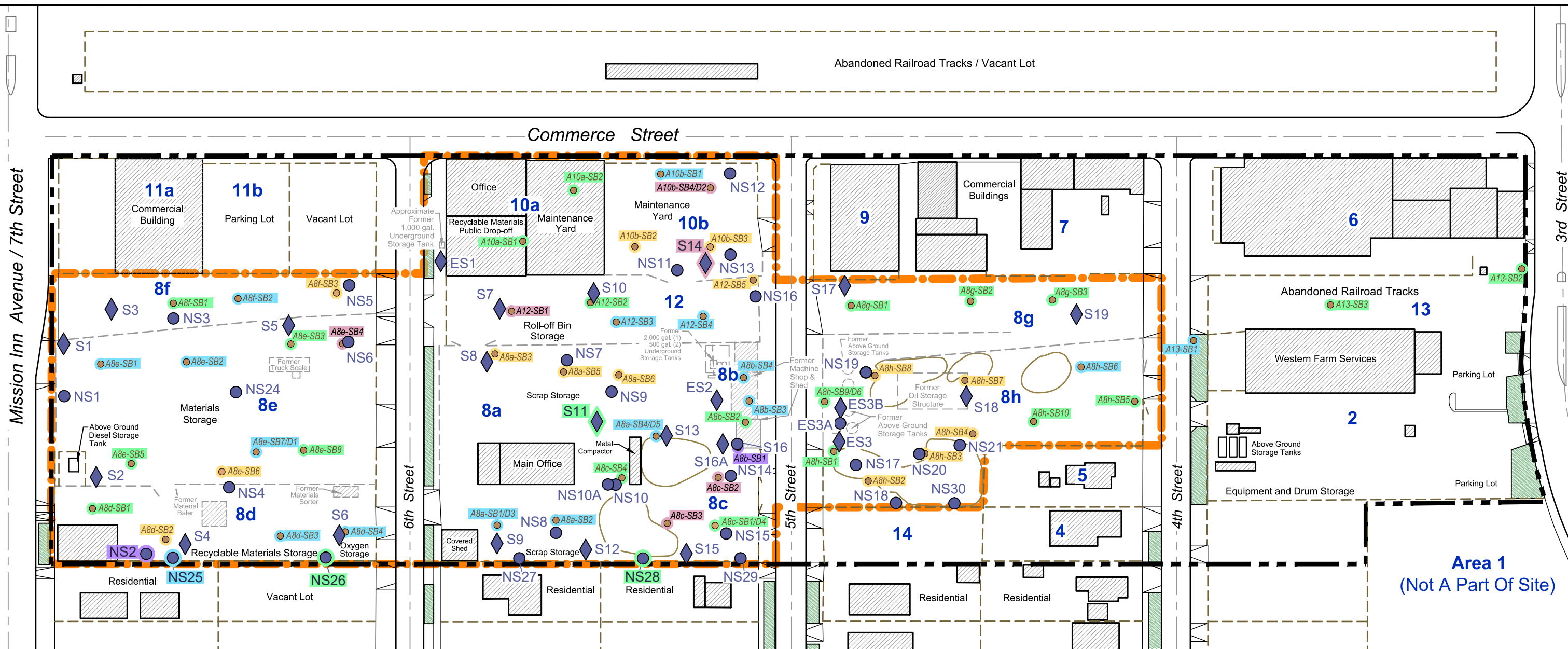
1. All locations are approximate.
2. RSLs are U.S. EPA Region 9 Industrial RSLs, updated June 2015.
3. Locations that were not sampled or analyzed have no color hi-lighting.
4. The posted concentration category for a sample/sample duplicate pair is the higher of the two categories if they differ.
5. Scrap heaps shown from locations identified in January/February 2011 field work



Basemap modified from a drawing by Ami Adini & Associates, dated April 2011, and an aerial photo by Eagle Aerials, dated February 2011.

|  |                         |                               |
|--|-------------------------|-------------------------------|
| <b>PCB CONCENTRATIONS IN SOIL</b><br>0.25 FOOT<br>Riverside Scrap Iron & Metal Site<br>Riverside, California |                         | <br>amec<br>foster<br>wheeler |
| Date: 10/27/2015   | Project No. 010468.0040 |                               |
| Submitted By: grr  | Drawn By: jrw           |                               |

Plot Date: 10/27/2015 9:01:48 AM, Plotted by: joanna.worker, Drawing Path: W:\Projects\010468.000 (Riverside Scrap Iron)\010468.004 (RSLM)ACAD\Results-2015.dwg, PCBs, 0.5-1



**Explanation**

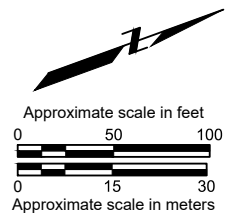
- NS30 ● Soil sampling location (Amec Foster Wheeler, 2015)
- S19 ◆ Soil sampling and soil gas probe location (Amec Foster Wheeler, 2015)
- A13-SB3 ● Soil sample (Ami Adini & Associates, 2011)
- A8h-SB9/D6 ● Soil sample/duplicate (Ami Adini & Associates, 2011)
- 8h Site Area designation (Geomatrix, 2005)
- ▨ Building
- ▨ Former building or structure
- Former scrap heap
- - - Fence or wall
- - - Former fence or wall
- ▬▬▬ Riverside Marketplace Industrial District
- Riverside Scrap Metal & Iron Site
- ▨ Landscaped area

**Polychlorinated Biphenyl (PCB) Concentrations**

- ▨ All Aroclors Not Detected
- ▨ All Aroclors < Regional Screening Level (RSL)
- ▨ One or more Aroclors > RSL
- ▨ One or more Aroclors > 10x RSL
- ▨ One or more Aroclors > 100x RSL

**Notes:**

1. All locations are approximate.
2. RSLs are U.S. EPA Region 9 Industrial RSLs, updated June 2015.
3. Locations that were not sampled or analyzed have no color hi-lighting.
4. The posted concentration category for a sample/sample duplicate pair is the higher of the two categories if they differ.
5. Scrap heaps shown from locations identified in January/February 2011 field work



Basemap modified from a drawing by Ami Adini & Associates, dated April 2011, and an aerial photo by Eagle Aerials, dated February 2011.

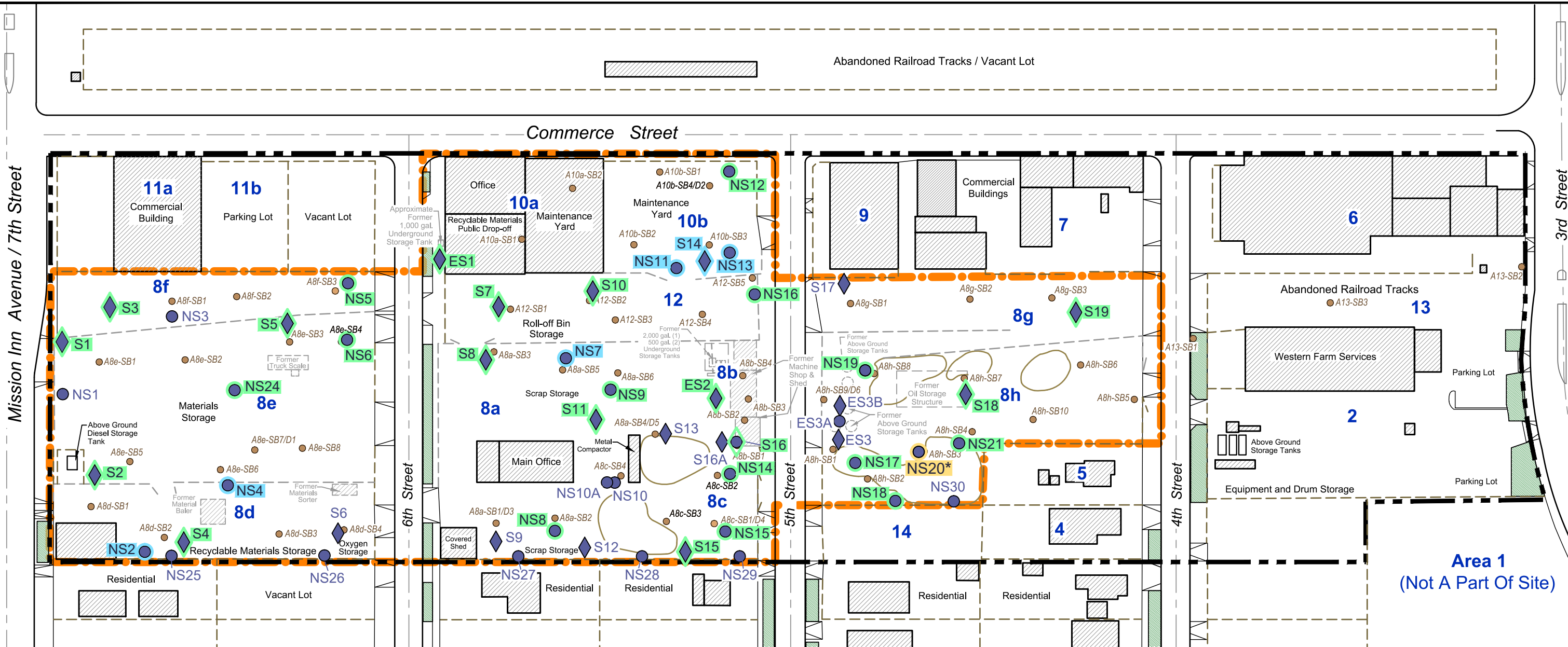
**PCB CONCENTRATIONS IN SOIL**  
0.5 - 1 FOOT  
Riverside Scrap Iron & Metal Site  
Riverside, California



Date: 10/27/2015 Project No. 010468.004  
Submitted By: grr Drawn By: jrw

Figure  
**3b**

Plot Date: 10/27/2015 9:03:53 AM, Plotted by: joanna.worker, Drawing Path: W:\Projects\010468.000 (Riverside Scrap Iron)\010468.004 (RSI&M)\ACAD\Results-2015.dwg, PCBs\_2.5



**Explanation**

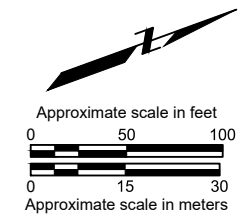
- NS30 ● Soil sampling location (Amec Foster Wheeler, 2015)
- S19 ◆ Soil sampling and soil gas probe location (Amec Foster Wheeler, 2015)
- A13-SB3 ● Soil sample (Ami Adini & Associates, 2011)
- A8h-SB9/D6 ● Soil sample/duplicate (Ami Adini & Associates, 2011)
- 8h Site Area designation (Geomatrix, 2005)
- ▨ Building
- ▨ Former building or structure
- Former scrap heap
- - - Fence or wall
- - - Former fence or wall
- ▬▬▬ Riverside Marketplace Industrial District
- Riverside Scrap Metal & Iron Site
- ▨ Landscaped area

**Polychlorinated Biphenyl (PCB) Concentrations**

- ▨ All Aroclors Not Detected
- ▨ All Aroclors < Regional Screening Level (RSL)
- ▨ One or more Aroclors > RSL

**Notes:**

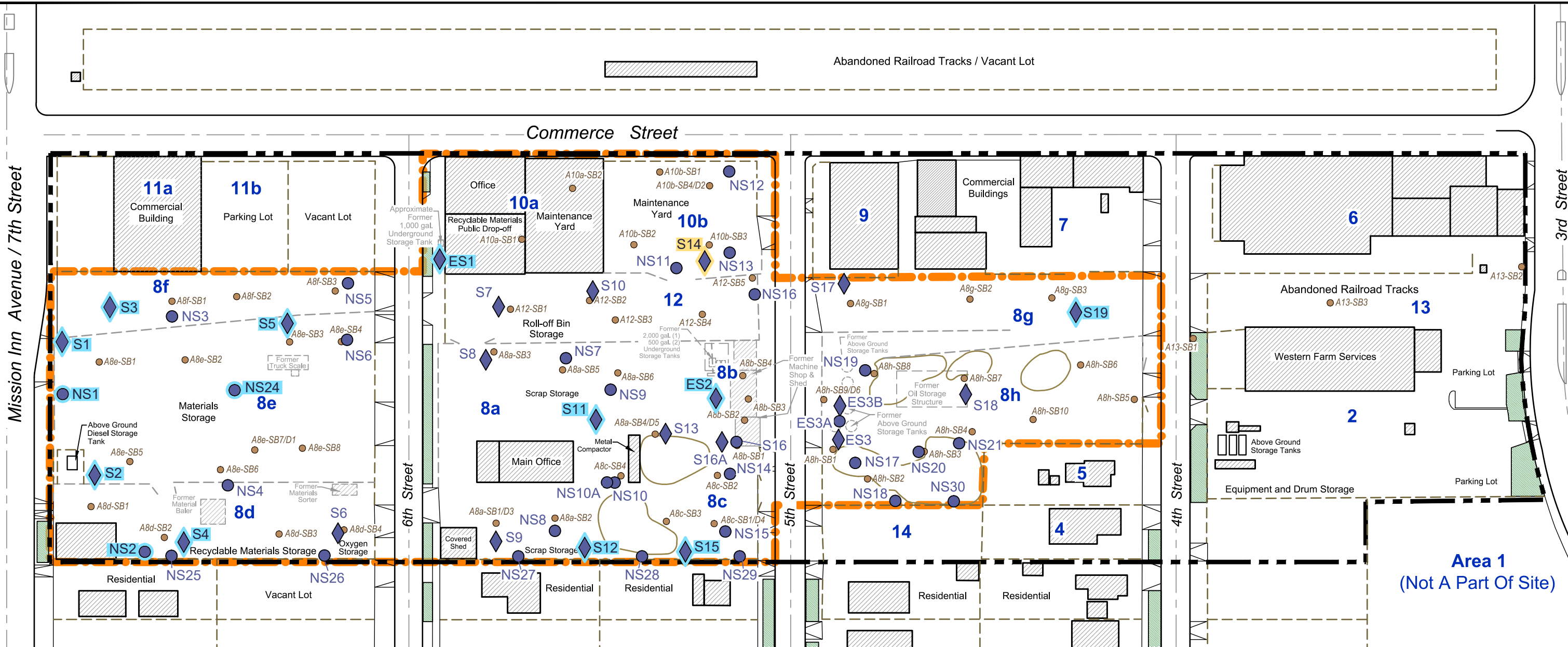
1. All locations are approximate.
2. RSLs are U.S. EPA Region 9 Industrial RSLs, updated June 2015.
3. Locations that were not sampled or analyzed have no color hi-lighting.
4. The posted concentration category for a sample/sample duplicate pair is the higher of the two categories if they differ.
5. \* = sample location NS20, Area 8h, indicated concentration greater than RSL for one or more Aroclors at 2.5 feet below ground surface (bgs). Underlying sample at 5 feet bgs indicated RSL of one Aroclor greater than the RSL.
6. Scrap heaps shown from locations identified in January/February 2011 field work



Basemap modified from a drawing by Ami Adini & Associates, dated April 2011, and an aerial photo by Eagle Aerials, dated February 2011.

|  |                         |  |
|--|-------------------------|--|
| <b>PCB CONCENTRATIONS IN SOIL</b><br><b>2.5 FEET</b><br><b>Riverside Scrap Iron &amp; Metal Site</b><br><b>Riverside, California</b> |                         | <br><b>amec<br/>foster<br/>wheeler</b> |
| Date: 10/27/2015   | Project No. 010468.0040 |  |
| Submitted By: grr  | Drawn By: jrw           |  |

Plot Date: 10/27/2015 9:34:38 AM, Plotted by: joanna.worker, Drawing Path: W:\Projects\010468.000 (Riverside Scrap Iron)\010468.004 (RSL&M)\ACAD\Results-2015.dwg, Lead 0.25



**Explanation**

- NS30 ● Soil sampling location (Amec Foster Wheeler, 2015)
- S19 ◆ Soil sampling and soil gas probe location (Amec Foster Wheeler, 2015)
- A13-SB3 ● Soil sample (Ami Adini & Associates, 2011)
- A8h-SB9/D6 ● Soil sample/duplicate (Ami Adini & Associates, 2011)
- 8h Site Area designation (Geomatrix, 2005)

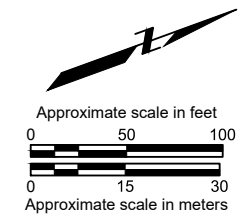
- Building
- Former building or structure
- Former scrap heap
- Fence or wall
- Former fence or wall
- Riverside Marketplace Industrial District
- Riverside Scrap Metal & Iron Site
- Landscaped area

**Lead Concentrations**

- Lead < Regional Screening Level (RSL) of 800 micrograms per kilogram
- Lead > RSL

**Notes:**

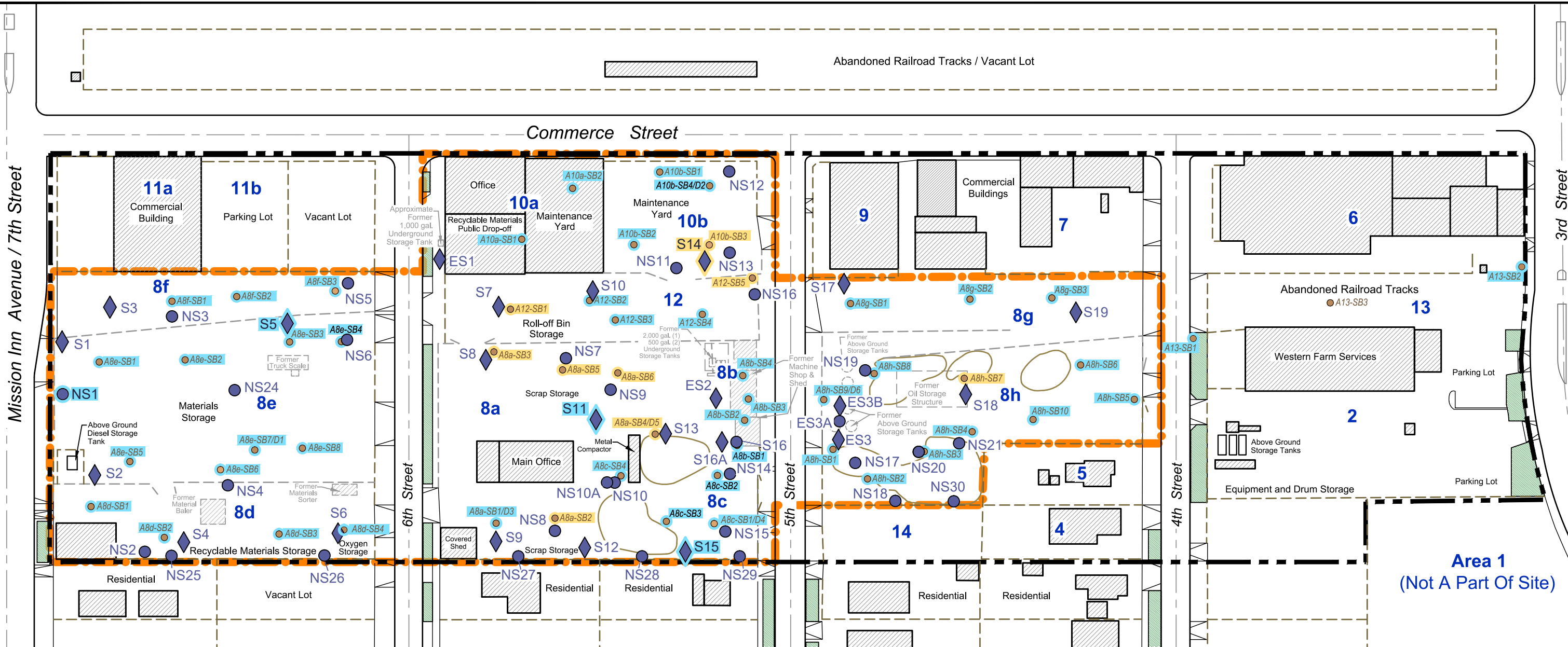
1. All locations are approximate.
2. RSLs are U.S. EPA Region 9 Industrial RSLs, updated June 2015.
3. Locations that were not sampled or analyzed have no color hi-lighting.
4. The posted concentration category for sample/sample duplicate pairs is the higher of the two categories if they differ.
5. Scrap heaps shown from locations identified in January/February 2011 field work



Basemap modified from a drawing by Ami Adini & Associates, dated April 2011, and an aerial photo by Eagle Aerials, dated February 2011.

|   |                         |  |
|---|-------------------------|--|
| <b>LEAD CONCENTRATIONS IN SOIL</b><br>0.25 FOOT<br>Riverside Scrap Iron & Metal Site<br>Riverside, California |                         |  |
| Date: 10/27/2015  | Project No. 010468.0040 |  |
| Submitted By: grr   | Drawn By: jrw           |  |

Plot Date: 10/27/2015 9:47:55 AM, Plotted by: joanna.worker, Drawing Path: W:\Projects\010468.000 (Riverside Scrap Iron)\010468.004 (RSI&MI)ACAD\Results-2015.dwg, Lead 0.5-1



**Explanation**

- NS30 ● Soil sampling location (Amec Foster Wheeler, 2015)
- S19 ◆ Soil sampling and soil gas probe location (Amec Foster Wheeler, 2015)
- A13-SB3 ● Soil sample (Ami Adini & Associates, 2011)
- A8h-SB9/D6 ● Soil sample/duplicate (Ami Adini & Associates, 2011)
- 8h Site Area designation (Geomatrix, 2005)

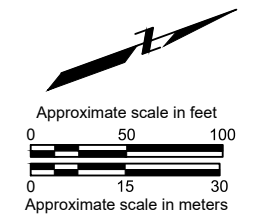
- Building
- Former building or structure
- Former scrap heap
- Fence or wall
- Former fence or wall
- Riverside Marketplace Industrial District
- Riverside Scrap Metal & Iron Site
- Landscaped area

**Lead Concentrations**

- Lead < Regional Screening Level (RSL) of 800 micrograms per kilogram
- Lead > RSL

**Notes:**

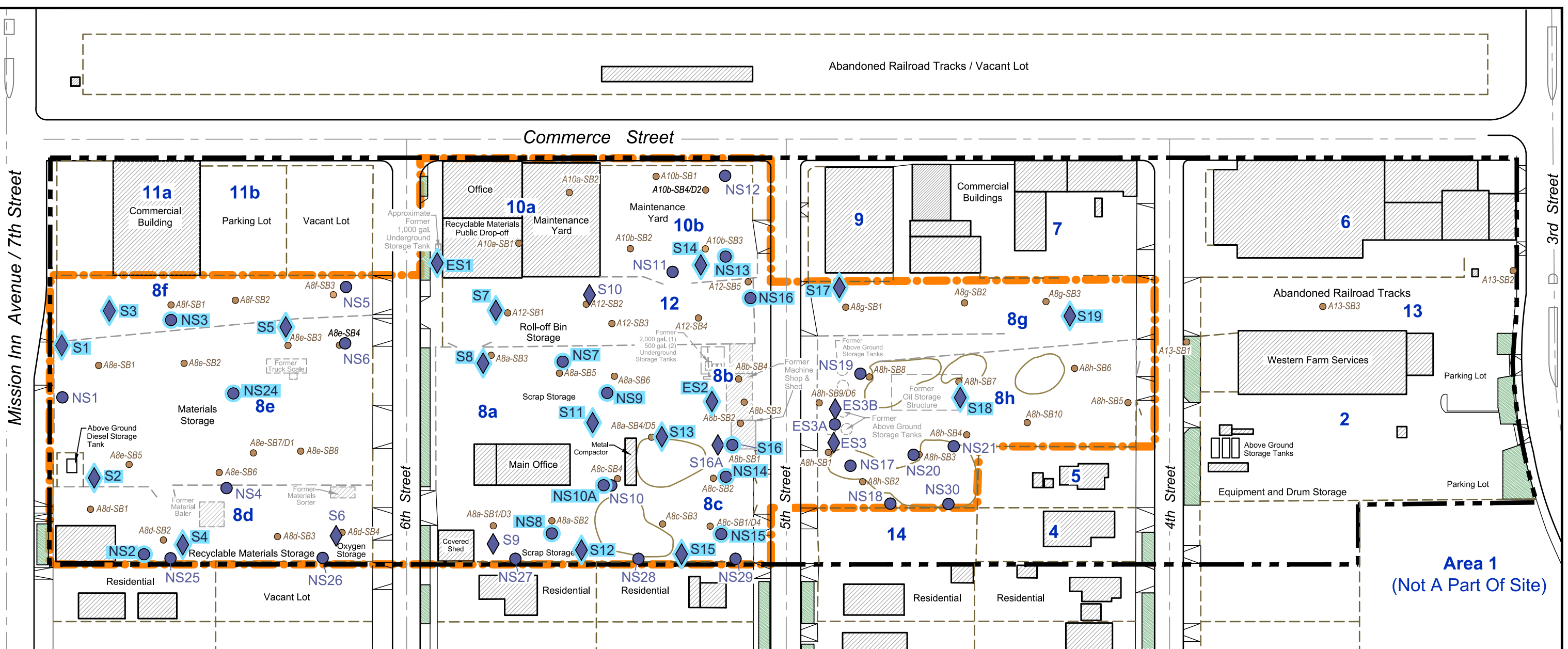
1. All locations are approximate.
2. RSLs are U.S. EPA Region 9 Industrial RSLs, updated June 2015.
3. Locations that were not sampled or analyzed have no color hi-lighting.
4. Scrap heaps shown from locations identified in January/February 2011 field work



Basemap modified from a drawing by Ami Adini & Associates, dated April 2011, and an aerial photo by Eagle Aerials, dated February 2011.

|  |                         |                     |
|--|-------------------------|---------------------|
| <b>LEAD CONCENTRATIONS IN SOIL</b><br>0.5 - 1 FOOT<br>Riverside Scrap Iron & Metal Site<br>Riverside, California |                         |                     |
| Date: 10/27/2015   | Project No. 010468.0040 |                     |
| Submitted By: grr  | Drawn By: jrw           | Figure<br><b>4b</b> |

Plot Date: 10/27/2015 9:49:46 AM, Plotted by: joanna.worker, Drawing Path: W:\Projects\010468.000 (Riverside Scrap Iron)\010468.004 (RSI&M)\ACAD\Results-2015.dwg, Lead 2.5



**Explanation**

- NS30 ● Soil sampling location (Amec Foster Wheeler, 2015)
- S19 ◆ Soil sampling and soil gas probe location (Amec Foster Wheeler, 2015)
- A13-SB3 ● Soil sample (Ami Adini & Associates, 2011)
- A8h-SB9/D6 ● Soil sample/duplicate (Ami Adini & Associates, 2011)
- 8h Site Area designation (Geomatrix, 2005)

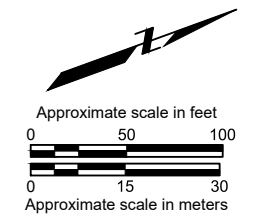
- Building
- Former building or structure
- Former scrap heap
- Fence or wall
- Former fence or wall
- Riverside MarketPlace Industrial District
- Riverside Scrap Metal & Iron Site
- Landscaped area

**Lead Concentrations**

- Lead <Regional Screening Level (RSL) of 800 micrograms per kilogram

**Notes:**

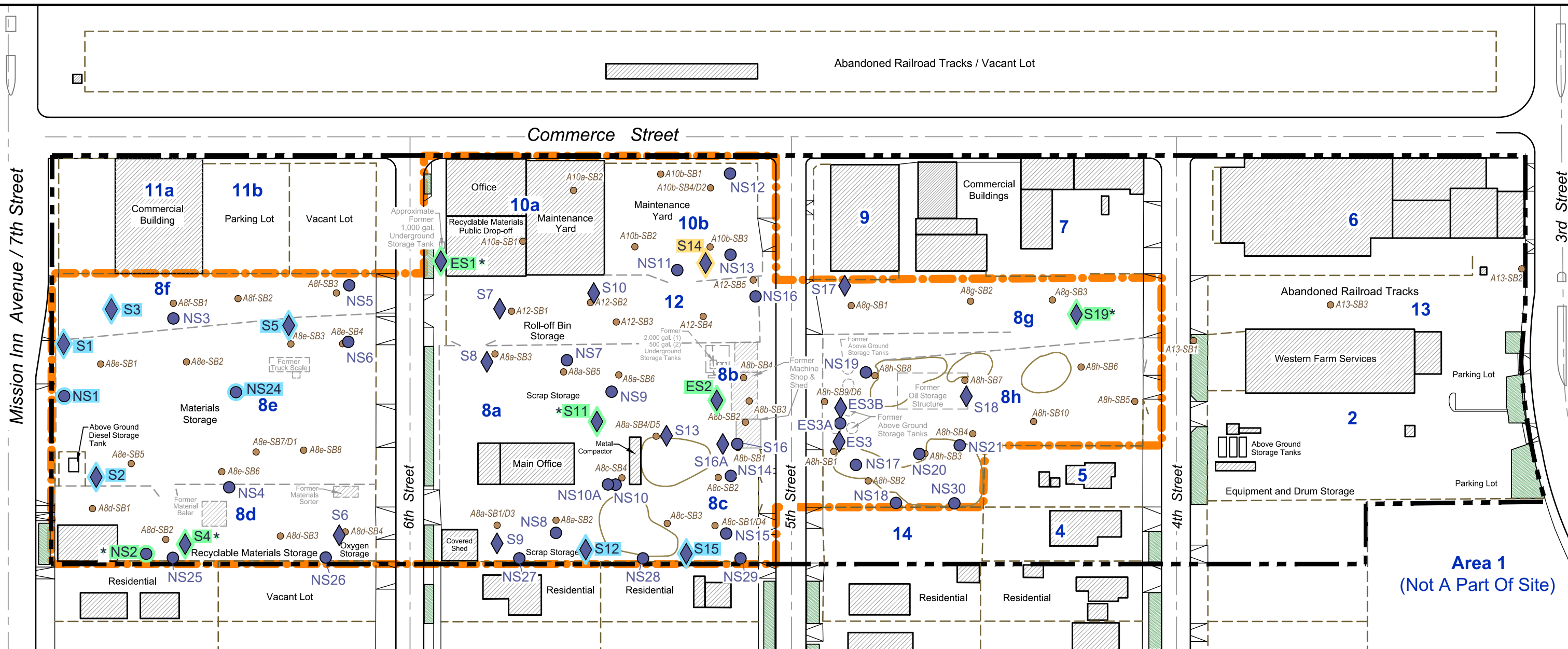
1. All locations are approximate.
2. RSLs are U.S. EPA Region 9 Industrial RSLs, updated June 2015.
3. Locations that were not sampled or analyzed have no color hi-lighting.
4. Scrap heaps shown from locations identified in January/February 2011 field work



Basemap modified from a drawing by Ami Adini & Associates, dated April 2011, and an aerial photo by Eagle Aerials, dated February 2011.

|  |                         |                               |
|--|-------------------------|-------------------------------|
| <b>LEAD CONCENTRATIONS IN SOIL</b><br>2.5 FEET<br>Riverside Scrap Iron & Metal Site<br>Riverside, California |                         | <br>amec<br>foster<br>wheeler |
| Date: 10/27/2015   | Project No. 010468.0040 |                               |
| Submitted By: grr  | Drawn By: jrw           | Figure<br><b>4c</b>           |

Plot Date: 10/27/2015 9:25:38 AM, Plotted by: joanna.worker, Drawing Path: W:\Projects\010468.000 (Riverside Scrap Iron)\010468.004 (RSI&MI)ACAD\Results-2015.dwg, PAH\_0.25



**Explanation**

- NS30 ● Soil sampling location (Amec Foster Wheeler, 2015)
- S19 ◆ Soil sampling and soil gas probe location (Amec Foster Wheeler, 2015)
- A13-SB3 ● Soil sample (Ami Adini & Associates, 2011)
- A8h-SB9/D6 ● Soil sample/duplicate (Ami Adini & Associates, 2011)
- 8h Site Area designation (Geomatrix, 2005)

- Building
- Former building or structure

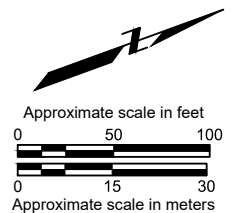
- Former scrap heap
- Fence or wall
- Former fence or wall
- Riverside Marketplace Industrial District
- Riverside Scrap Metal & Iron Site
- Landscaped area

**Polynuclear Aromatic Hydrocarbon (PAH) Concentrations**

- All PAHs with Regional Screening Level (RSL) Not Detected (\* indicates laboratory reporting limits > RSL)
- All PAHs < RSL where available
- One or more PAHs > RSL

**Notes:**

1. All locations are approximate.
2. RSLs are U.S. EPA Region 9 Industrial RSLs, updated June 2015.
3. Scrap heaps shown from locations identified in January/February 2011 field work



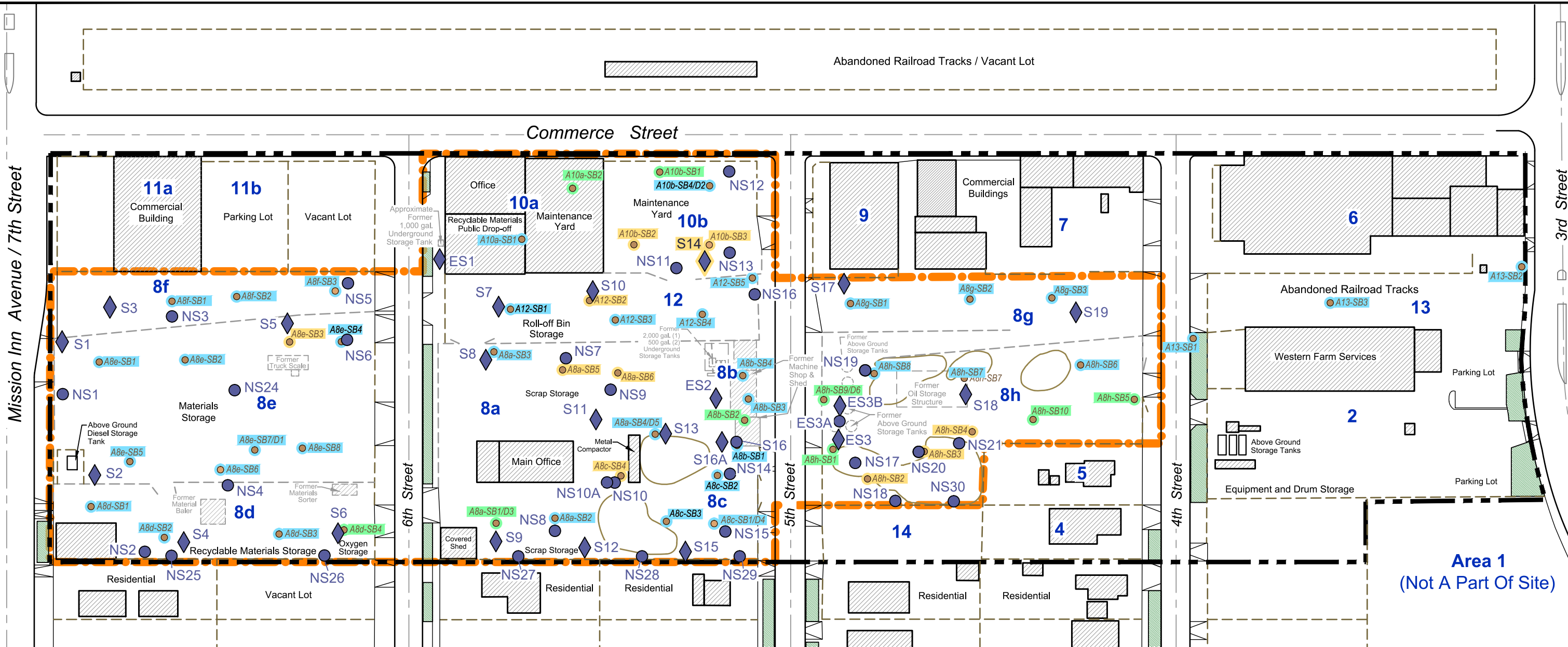
Basemap modified from a drawing by Ami Adini & Associates, dated April 2011, and an aerial photo by Eagle Aerials, dated February 2011.

**PAH CONCENTRATIONS IN SOIL**  
0.25 FOOT  
Riverside Scrap Iron & Metal Site  
Riverside, California



|                   |                         |           |
|-------------------|-------------------------|-----------|
| Date: 10/27/2015  | Project No. 010468.0040 | Figure    |
| Submitted By: grr | Drawn By: jrw           | <b>5a</b> |

Plot Date: 10/27/2015 9:27:09 AM, Plotted by: joanna.worker, Drawing Path: W:\Projects\010468.000 (Riverside Scrap Iron)\010468.004 (RSI&MI)ACAD\Results-2015.dwg, PAH 0.5-1



**Explanation**

- NS30 ● Soil sampling location (Amec Foster Wheeler, 2015)
- S19 ◆ Soil sampling and soil gas probe location (Amec Foster Wheeler, 2015)
- A13-SB3 ● Soil sample (Ami Adini & Associates, 2011)
- A8h-SB9/D6 ● Soil sample/duplicate (Ami Adini & Associates, 2011)
- 8h Site Area designation (Geomatrix, 2005)

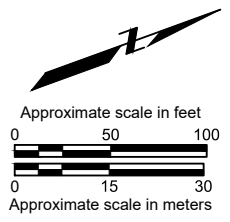
- Building
- Former building or structure
- Former scrap heap
- Fence or wall
- Former fence or wall
- Riverside Marketplace Industrial District
- Riverside Scrap Metal & Iron Site
- Landscaped area

**Polynuclear Aromatic Hydrocarbon (PAH) Concentrations**

- All PAHs with Regional Screening Level (RSL) Not Detected
- All PAHs < RSL where available
- One or more PAHs > RSL

**Notes:**

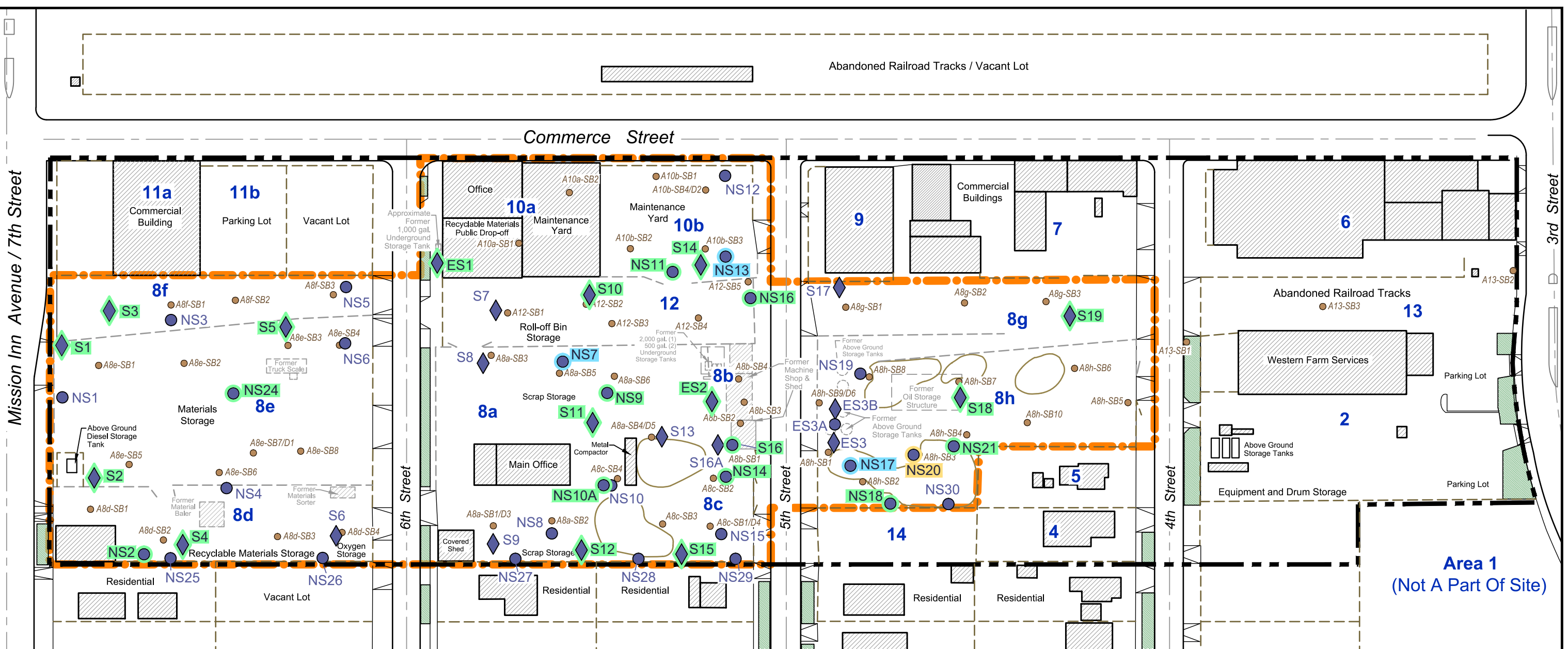
1. All locations are approximate.
2. RSLs are U.S. EPA Region 9 Industrial RSLs, updated June 2015.
3. Scrap heaps shown from locations identified in January/February 2011 field work



Basemap modified from a drawing by Ami Adini & Associates, dated April 2011, and an aerial photo by Eagle Aerials, dated February 2011.

|   |                         |  |
|---|-------------------------|--|
| <p><b>PAH CONCENTRATIONS IN SOIL</b><br/>0.5 - 1 FOOT<br/>Riverside Scrap Iron &amp; Metal Site<br/>Riverside, California</p> |                         |  |
| Date: 10/27/2015  | Project No. 010468.0040 |  |
| Submitted By: grr   | Drawn By: jrw           |  |

Plot Date: 10/27/2015 9:29:29 AM, Plotted by: joanna.worker, Drawing Path: W:\Projects\010468.000 (Riverside Scrap Iron)\010468.004 (RSI&M)\ACAD\Results-2015.dwg, PAH\_2.5



**Explanation**

- NS30 ● Soil sampling location (Amec Foster Wheeler, 2015)
- S19 ◆ Soil sampling and soil gas probe location (Amec Foster Wheeler, 2015)
- A13-SB3 ● Soil sample (Ami Adini & Associates, 2011)
- A8h-SB9/D6 ● Soil sample/duplicate (Ami Adini & Associates, 2011)
- 8h Site Area designation (Geomatrix, 2005)

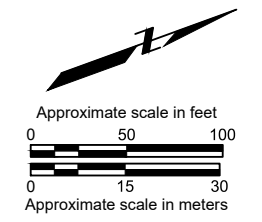
- Building
- Former building or structure
- Former scrap heap
- Fence or wall
- Former fence or wall
- Riverside Marketplace Industrial District
- Riverside Scrap Metal & Iron Site
- Landscaped area

**Polynuclear Aromatic Hydrocarbon (PAH) Concentrations**

- All PAHs with Regional Screening Level (RSL) Not Detected
- All PAHs < RSL where available
- One or more PAHs > RSL

**Notes:**

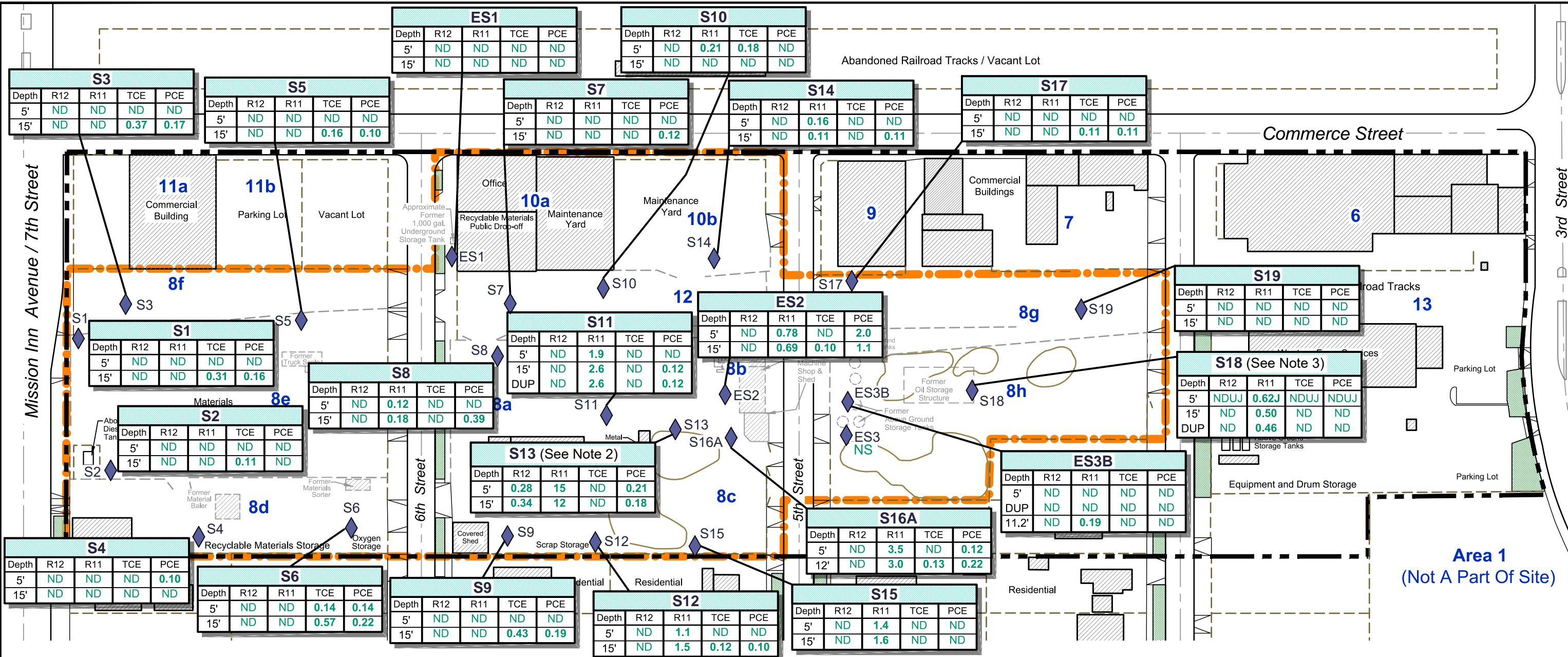
1. All locations are approximate.
2. RSLs are U.S. EPA Region 9 Industrial RSLs, updated June 2015.
3. Scrap heaps shown from locations identified in January/February 2011 field work



Basemap modified from a drawing by Ami Adini & Associates, dated April 2011, and an aerial photo by Eagle Aerials, dated February 2011.

|   |                         |  |
|---|-------------------------|--|
| <b>PAH CONCENTRATIONS IN SOIL</b><br>2.5 FEET<br>Riverside Scrap Iron & Metal Site<br>Riverside, California |                         |  |
| Date: 10/27/2015  | Project No. 010468.0040 |  |
| Submitted By: grr   | Drawn By: jrw           |  |

Plot Date: 10/27/2015 9:55:10 AM, Plotted by: joanna.worker Drawing Path: W:\Projects\010468.000 (Riverside Scrap Iron)\010468.004 (RSI&M)\ACAD\Results-2015.dwg - Soil Gas



**Explanation**

S19 ◆ Soil sampling and soil gas probe location (Amec Foster Wheeler, 2015)

| Sample Name |      |      |      |      |
|-------------|------|------|------|------|
| Depth       | R12  | R11  | TCE  | PCE  |
| 5'          | µg/L | µg/L | µg/L | µg/L |
| 15'         | µg/L | µg/L | µg/L | µg/L |

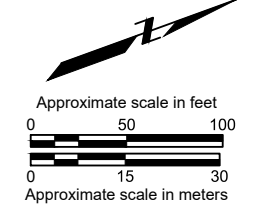
Results at depth indicated in feet below ground surface for Volatile Organic Compounds (VOCs) in micrograms per liter (µg/L)

- R12 Freon 12 (dichlorodifluoromethane)
- R11 Freon 11 (trichlorofluoromethane)
- TCE Trichloroethene
- PCE Tetrachloroethene
- DUP Duplicate sample
- ND Not detected at laboratory limit of <0.10
- NS Not sampled
- J Estimated concentration based on detection of leak detection compound
- UJ Estimated reporting limit based on detection of leak detection compound

- 8h Site Area designation (Geomatrix, 2005)
- ▨ Building
- ▨ Former building or structure
- Former scrap heap
- - - Fence or wall
- - - Former fence or wall
- - - Riverside Marketplace Industrial District
- Riverside Scrap Metal & Iron Site
- Landscaped area

**Notes:**

1. All locations are approximate.
2. Chloromethane detected at 0.49 µg/L in the soil gas probe S13 at depth of 5 feet below ground surface (bgs).
3. Leak detection compound Isopropyl alcohol detected at 3.3 µg/L in the soil gas probe S18 at depth of 5 feet bgs.
4. Scrap heaps shown from locations identified in January/February 2011 field work



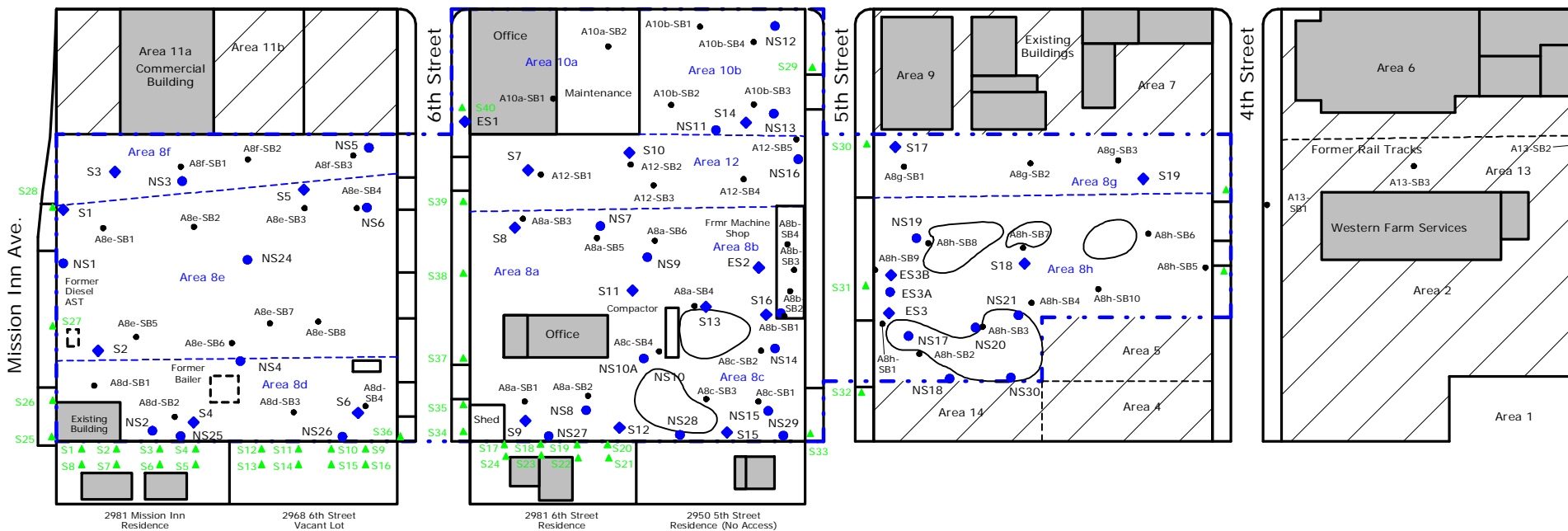
Basemap modified from a drawing by Ami Adini & Associates, dated April 2011, and an aerial photo by Eagle Aerials, dated February 2011.

|   |                         |  |
|---|-------------------------|--|
| <b>VOC CONCENTRATIONS IN SOIL GAS</b><br>Riverside Scrap Iron & Metal Site<br>Riverside, California |                         |  |
| Date: 10/27/2015  | Project No. 010468.0040 |  |
| Submitted By: grr   | Drawn By: jrw           |  |

## APPENDIX E.

### Historical Off-Site Sampling Locations

Commerce Street



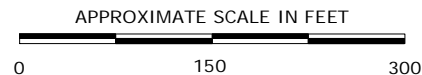
See Figure 3A

See Figure 3B

LEGEND

- Soil Sampling Locations (Amec 2015)
- ◆ Soil/Soil Gas Sampling Locations (Amec 2015)
- Soil Sampling Locations (AAA 2011)
- ▲ Off-Site Sampling Locations

FIGURE 2  
GENERAL SITE PLAN  
RIVERSIDE SCRAP IRON & METAL  
Riverside, California





Scale  
1-inch = 40 ft



FIGURE 3A  
Off-Site Soil Sampling Locations  
Riverside Scrap  
Riverside CA



Scale  
1-inch = 40 ft



FIGURE 3B  
Off-Site Soil Sampling Locations  
Riverside Scrap  
Riverside CA

## APPENDIX F.

### Summary Table for PCB Delineation

**Table 1**  
**Polychlorinated Biphenyls (PCBs) in Soil**  
**Remedial Action Plan**  
Riverside Scrap Iron & Metal Site  
Riverside, California

| Sample/<br>Boring<br>ID | Area | Sample<br>Location | 2018 Investigation<br>Step-Out Sample<br>Designation or<br>Information | Sample Date | depth<br>(feet bgs) | EPA Method 8082 (mg/kg) |          |          |          |          |          |          |        |        |            | Total<br>PCBs |
|-------------------------|------|--------------------|--|-------------|---------------------|-------------------------|----------|----------|----------|----------|----------|----------|--------|--------|------------|---------------|
|                         |      |                    |  |             |                     | PCB-1016                | PCB-1221 | PCB-1232 | PCB-1242 | PCB-1248 | PCB-1254 | PCB-1260 |        |        |            |               |
| <b>Area 8A</b>          |      |                    |  |             |                     |                         |          |          |          |          |          |          |        |        |            |               |
| A8a-SB1                 | 8a   | SB1                | NA   | 1/27/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | 0.199    | <0.05    |        |        | 0.199      |               |
| A8a-SB2                 | 8a   | SB2                | NA   | 1/27/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | 0.79     | <0.05    |        |        | 0.79       |               |
| A8a-SB3                 | 8a   | SB3                | NA   | 1/27/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | 2.96     | 2.66     | <0.05    |        |        | 5.62       |               |
| A8a-SB4                 | 8a   | SB4                | NA   | 1/27/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    |        |        | All ND     |               |
| A8a-SB5                 | 8a   | SB5                | NA   | 1/27/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | 8.15     | 4.6      | <0.05    |        |        | 12.75      |               |
| A8a-SB6                 | 8a   | SB6                | NA   | 1/27/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | 26.8     | 5.95     | <0.05    |        |        | 32.75      |               |
| NS9                     | 8a   | NS9                | NA   | 8/11/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        | All ND     |               |
| S12                     | 8a   | S12                | NA   | 8/12/2015   | 0.25                | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        | All ND     |               |
| S9                      | 8a   | S9                 | NA   | 8/12/2015   | 0.25                | <0.02UJ                 | <0.02UJ  | <0.02UJ  | .120J    | <0.02UJ  | 0.280J   | 0.130J   |        |        | 0.53       |               |
| S11                     | 8a   | S11                | NA   | 8/13/2015   | 0.25                | <0.2                    | <0.2     | <0.2     | 1.6      | <0.2     | 1.4J     | 0.43     |        |        | 3.43       |               |
| S11                     | 8a   | S11                | NA   | 8/13/2015   | 1                   | <0.2                    | <0.2     | <0.2     | <0.2     | <0.2     | <0.2     | <0.2     |        |        | All ND     |               |
| S11                     | 8a   | S11                | NA   | 8/13/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        | All ND     |               |
| S8                      | 8a   | S8                 | NA   | 8/13/2015   | 2.5                 | <0.2                    | <0.2     | <0.2     | <0.2     | <0.2     | <0.2     | <0.2     |        |        | All ND     |               |
| S13                     | 8a   | S13                | NA   | 8/14/2015   | 0.25                | <0.02                   | <0.02    | <0.02    | 4.2      | <0.02    | 1.6      | 0.3      |        |        | 6.1        |               |
| NS7                     | 8a   | NS7                | NA   | 8/21/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | 0.055    | <0.02    | 0.11     | 0.058    |        |        | 0.223      |               |
| NS8                     | 8a   | NS8                | NA   | 8/21/2015   | 0.25                | <0.02UJ                 | <0.02UJ  | <0.02UJ  | 2.2J     | <0.02UJ  | .350J    | 0.110J   |        |        | 2.66       |               |
| NS8                     | 8a   | NS8                | NA   | 8/21/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        | All ND     |               |
| <b>Area 8B</b>          |      |                    |  |             |                     |                         |          |          |          |          |          |          |        |        |            |               |
| A8b-SB2                 | 8b   | SB2                | NA   | 1/28/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    |        |        | All ND     |               |
| A8b-SB3                 | 8b   | SB3                | NA   | 1/28/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | 0.18     | 0.274    | <0.05    |        |        | 0.454      |               |
| A8b-SB4                 | 8b   | SB4                | NA   | 1/28/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | 0.903    | <0.05    |        |        | 0.903      |               |
| ES2                     | 8b   | ES2                | NA   | 8/14/2015   | 0.25                | <0.02UJ                 | <0.02UJ  | <0.02UJ  | <0.02UJ  | <0.02UJ  | <0.02UJ  | 22J      |        |        | 22         |               |
| ES2                     | 8b   | ES2                | NA   | 8/14/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        | All ND     |               |
| S16                     | 8b   | S16                | NA   | 8/14/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        | All ND     |               |
| A8b-SB1                 | 8b   | SB1                | Initial >50 Sample   | 1/27/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | 369      | 125      | <0.05    |        |        | <b>494</b> |               |
| A8b-SB1X-2.5            | 8b   | SB1                | X  | 1/23/2018   | 2.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055 | <0.055 | All ND     |               |
| A8b-SB1A-1              | 8b   | SB1                | A  | 1/23/2018   | 1                   | <0.054                  | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054 | <0.054 | All ND     |               |
| A8b-SB1A-2.5            | 8b   | SB1                | A  | 1/23/2018   | 2.5                 | <0.056                  | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056 | <0.056 | All ND     |               |
| A8b-SB1B-1              | 8b   | SB1                | B  | 1/23/2018   | 1                   | <0.054                  | 0.25     | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054 | <0.054 | 0.25       |               |
| A8b-SB1B-2.5            | 8b   | SB1                | B  | 1/23/2018   | 2.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055 | <0.055 | All ND     |               |
| A8b-SB1C-1              | 8b   | SB1                | C  | 1/23/2018   | 1                   | <0.055                  | <0.055   | <0.055   | <0.055   | 0.26     | 0.14     | <0.055   | <0.055 | <0.055 | 0.4        |               |
| A8b-SB1C-2.5            | 8b   | SB1                | C  | 1/23/2018   | 2.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055 | <0.055 | All ND     |               |
| A8b-SB1D-1              | 8b   | SB1                | D  | 1/23/2018   | 1                   | <0.054                  | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054 | <0.054 | All ND     |               |
| A8b-SB1D-2.5            | 8b   | SB1                | D  | 1/23/2018   | 2.5                 | <0.054                  | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054 | <0.054 | All ND     |               |

**Table 1**  
**Polychlorinated Biphenyls (PCBs) in Soil**  
**Remedial Action Plan**  
**Riverside Scrap Iron & Metal Site**  
**Riverside, California**

| Sample/<br>Boring<br>ID | Area | Sample<br>Location | 2018 Investigation<br>Step-Out Sample<br>Designation or<br>Information | Sample Date | depth<br>(feet bgs) | EPA Method 8082 (mg/kg) |          |          |          |          |          |          |        |        |             | Total<br>PCBs |
|-------------------------|------|--------------------|--|-------------|---------------------|-------------------------|----------|----------|----------|----------|----------|----------|--------|--------|-------------|---------------|
|                         |      |                    |  |             |                     | PCB-1016                | PCB-1221 | PCB-1232 | PCB-1242 | PCB-1248 | PCB-1254 | PCB-1260 |        |        |             |               |
| <b>Area 8C</b>          |      |                    |  |             |                     |                         |          |          |          |          |          |          |        |        |             |               |
| A8c-SB1                 | 8c   | SB1                | NA   | 1/27/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    |        |        | All ND      |               |
| A8c-SB2                 | 8c   | SB2                | NA   | 1/27/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | 10.4     | 1.4      | <0.05    |        |        | 11.8        |               |
| A8c-SB3                 | 8c   | SB3                | NA   | 1/27/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | 24.3     | 2.67     | <0.05    |        |        | 26.97       |               |
| A8c-SB4                 | 8c   | SB4                | NA   | 1/27/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    |        |        | All ND      |               |
| NS14                    | 8c   | NS14               | NA   | 8/14/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        | All ND      |               |
| NS15                    | 8c   | NS15               | NA   | 8/14/2015   | 0.25                | <0.02                   | <0.02    | <0.02    | 1.5      | <0.02    | 1.6      | 0.29     |        |        | 3.39        |               |
| NS15                    | 8c   | NS15               | NA   | 8/14/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        | All ND      |               |
| NS10A                   | 8c   | NS10A              | NA   | 8/21/2015   | 0.25                | <0.02UJ                 | <0.02UJ  | <0.02UJ  | .110J    | <0.02UJ  | .200J    | 0.100J   |        |        | 0.41        |               |
| <b>Area 8D</b>          |      |                    |  |             |                     |                         |          |          |          |          |          |          |        |        |             |               |
| A8d-SB1                 | 8d   | SB1                | NA   | 1/26/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    |        |        | All ND      |               |
| A8d-SB2                 | 8d   | SB2                | NA   | 1/26/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | 5.84     | <0.05    |        |        | 5.84        |               |
| A8d-SB3                 | 8d   | SB3                | NA   | 1/26/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | 0.903    | <0.05    |        |        | 0.903       |               |
| A8d-SB4                 | 8d   | SB4                | NA   | 1/26/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | 0.372    | <0.05    |        |        | 0.372       |               |
| NS25                    | 8d   | NS25               | NA   | 8/18/2015   | 0.25                | <0.02UJ                 | <0.02UJ  | <0.02UJ  | <0.02UJ  | <0.02UJ  | 1.3J     | 0.140J   |        |        | 1.44        |               |
| NS25                    | 8d   | NS25               | NA   | 8/18/2015   | 1                   | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | 0.042    | <0.02    |        |        | 0.042       |               |
| NS26                    | 8d   | NS26               | NA   | 8/12/2015   | 0.25                | <0.02UJ                 | <0.02UJ  | <0.02UJ  | 0.32J    | <0.02UJ  | 12J      | 1.600J   |        |        | 13.92       |               |
| NS26                    | 8d   | NS26               | NA   | 8/12/2015   | 1                   | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        | All ND      |               |
| NS27                    | 8d   | NS27               | NA   | 8/12/2015   | 0.25                | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | 0.012    | 0.097    |        |        | 0.109       |               |
| NS28                    | 8d   | NS28               | NA   | 8/12/2015   | 0.25                | <0.02UJ                 | <0.02UJ  | <0.02UJ  | 2.0J     | <0.02UJ  | 0.86J    | .180J    |        |        | 3.04        |               |
| NS28                    | 8d   | NS28               | NA   | 8/12/2015   | 1                   | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        | All ND      |               |
| NS29                    | 8d   | NS29               | NA   | 8/12/2015   | 0.25                | <0.02UJ                 | <0.02UJ  | <0.02UJ  | 0.058J   | <0.02UJ  | 0.11J    | 0.089J   |        |        | 0.257       |               |
| NS30                    | 8d   | NS30               | NA   | 8/21/2015   | 0.25                | <0.02UJ                 | <0.02UJ  | <0.02UJ  | <0.02UJ  | <0.02UJ  | 0.044J   | 0.045J   |        |        | 0.089       |               |
| S4                      | 8d   | S4                 | NA   | 8/18/2015   | 0.25                | <0.02                   | <0.02    | <0.02    | 0.14     | <0.02    | 0.94     | 0.071    |        |        | 1.151       |               |
| S4                      | 8d   | S4                 | NA   | 8/18/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        | All ND      |               |
| S5                      | 8d   | S5                 | NA   | 8/12/2015   | 0.25                | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | 0.17     | 0.093    |        |        | 0.263       |               |
| S5                      | 8d   | S5                 | NA   | 8/12/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        | All ND      |               |
| NS2                     | 8d   | NS2                | NA   | 8/18/2015   | 0.25                | <0.02                   | <0.02    | <0.02    | 8.6      | <0.02    | 28       | 2.3J     |        |        | 38.9        |               |
| NS2                     | 8d   | NS2                | Initial >50 Sample   | 8/18/2015   | 1                   | <0.02UJ                 | <0.02UJ  | <0.02UJ  | 62J      | <0.02UJ  | 290J     | 34J      |        |        | <b>386</b>  |               |
| NS2                     | 8d   | NS2                | Initial >50 Sample   | 8/18/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | 0.023    | <0.02    |        |        | 0.023       |               |
| NS2A-1                  | 8d   | NS2                | A  | 1/23/2018   | 1                   | <55                     | <55      | <55      | <55      | 500      | 670      | <55      | <55    | <55    | <b>1170</b> |               |
| NS2A-2.5                | 8d   | NS2                | A  | 1/23/2018   | 2.5                 | <0.054                  | <0.054   | <0.054   | <0.054   | 0.21     | 0.41     | <0.054   | <0.054 | <0.054 | 0.62        |               |
| NS2B-1                  | 8d   | NS2                | B  | 1/23/2018   | 1                   | <53                     | <53      | <53      | <53      | 350      | 520      | <53      | <53    | <53    | <b>870</b>  |               |
| NS2B-2.5                | 8d   | NS2                | B  | 1/23/2018   | 2.5                 | <0.27                   | <0.27    | <0.27    | <0.27    | 1.3      | 1.8      | <0.27    | <0.27  | <0.27  | 3.1         |               |
| NS2C-1                  | 8d   | NS2                | C  | 1/23/2018   | 1                   | <5.7                    | <5.7     | <5.7     | <5.7     | 39       | 71       | <5.7     | <5.7   | <5.7   | <b>110</b>  |               |
| NS2C-2.5                | 8d   | NS2                | C  | 1/23/2018   | 2.5                 | <0.28                   | <0.28    | <0.28    | <0.28    | 0.65     | 1.5      | <0.28    | <0.28  | <0.28  | 2.15        |               |
| NS2D-1                  | 8d   | NS2                | D  | 1/23/2018   | 1                   | <55                     | <55      | <55      | <55      | 150      | 280      | <55      | <55    | <55    | <b>430</b>  |               |
| NS2D-2.5                | 8d   | NS2                | D  | 1/23/2018   | 2.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | 0.12     | 0.2      | <0.055   | <0.055 | <0.055 | 0.32        |               |
| NS2E-0.5                | 8d   | NS2                | E  | 5/18/2018   | 0.5                 | <5.4                    | <5.4     | <5.4     | <5.4     | 17       | 23       | <5.4     | <5.4   | <5.4   | 40          |               |
| NS2E-1                  | 8d   | NS2                | E  | 5/18/2018   | 1                   | <0.55                   | <0.55    | <0.55    | <0.55    | 1.1      | 1.8      | <0.55    | <0.55  | <0.55  | 2.9         |               |
| NS2F-0.5                | 8d   | NS2                | F  | 5/18/2018   | 0.5                 | <0.053                  | <0.053   | <0.053   | <0.053   | 0.2      | 0.11     | <0.053   | <0.053 | <0.053 | 0.31        |               |
| NS2F-1                  | 8d   | NS2                | F  | 5/18/2018   | 1                   | <5.6                    | <5.6     | <5.6     | <5.6     | 11       | 13       | <5.6     | <5.6   | <5.6   | 24          |               |
| NS2G-0.5                | 8d   | NS2                | G  | 5/18/2018   | 0.5                 | <0.55                   | <0.55    | <0.55    | <0.55    | 4.3      | 8.3      | <0.55    | <0.55  | <0.55  | 12.6        |               |
| NS2G-1                  | 8d   | NS2                | G  | 5/18/2018   | 1                   | <5.3                    | <5.3     | <5.3     | <5.3     | 13       | 28       | <5.3     | <5.3   | <5.3   | 41          |               |
| NS2H-0.5                | 8d   | NS2                | H  | 5/18/2018   | 0.5                 | <5.4                    | <5.4     | <5.4     | <5.4     | 210      | 330      | <5.4     | <5.4   | <5.4   | <b>540</b>  |               |
| NS2H-1                  | 8d   | NS2                | H  | 5/18/2018   | 1                   | <2.7                    | <2.7     | <2.7     | <2.7     | 7.3      | 14       | <2.7     | <2.7   | <2.7   | 21.3        |               |

**Table 1**  
**Polychlorinated Biphenyls (PCBs) in Soil**  
**Remedial Action Plan**  
**Riverside Scrap Iron & Metal Site**  
**Riverside, California**

| Sample/<br>Boring<br>ID | Area | Sample<br>Location | 2018 Investigation<br>Step-Out Sample<br>Designation or<br>Information | Sample Date | depth<br>(feet bgs) | EPA Method 8082 (mg/kg) |          |          |          |          |          |          |        |        |               |
|-------------------------|------|--------------------|--|-------------|---------------------|-------------------------|----------|----------|----------|----------|----------|----------|--------|--------|---------------|
|                         |      |                    |  |             |                     | PCB-1016                | PCB-1221 | PCB-1232 | PCB-1242 | PCB-1248 | PCB-1254 | PCB-1260 |        |        | Total<br>PCBs |
| NS2I-0.5                | 8d   | NS2                | I  | 5/18/2018   | 0.5                 | <0.054                  | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054 | <0.054 | All ND        |
| NS2I-1                  | 8d   | NS2                | I  | 5/18/2018   | 1                   | <0.51                   | <0.51    | <0.51    | <0.51    | 0.78     | 2        | <0.51    | <0.51  | <0.51  | 2.78          |
| NS2K-0.5                | 8d   | NS2                | K  | 5/18/2018   | 0.5                 | <0.051                  | <0.051   | <0.051   | <0.051   | 0.21     | 0.12     | <0.051   | <0.051 | <0.051 | 0.33          |
| NS2K-1                  | 8d   | NS2                | K  | 5/18/2018   | 1                   | <5.3                    | <5.3     | <5.3     | <5.3     | 43       | 67       | <5.3     | <5.3   | <5.3   | 110           |
| NS2KK-2.5               | 8d   | NS2                | KK   | 8/3/2018    | 2.5                 | <0.053                  | <0.053   | <0.053   | <0.053   | 0.082    | 0.16     | <0.053   | <0.053 | <0.053 | 0.242         |
| NS2KK1-1                | 8d   | NS2                | KK1  | 8/3/2018    | 1                   | <2.6                    | <2.6     | <2.6     | <2.6     | 6.8      | 29       | <2.6     | <2.6   | <2.6   | 35.8          |
| NS2L-0.5                | 8d   | NS2                | L  | 5/18/2018   | 0.5                 | <0.11                   | <0.11    | <0.11    | <0.11    | 0.49     | 0.26     | <0.11    | <0.11  | <0.11  | 0.75          |
| NS2L-1                  | 8d   | NS2                | L  | 5/18/2018   | 1                   | <0.54                   | <0.54    | <0.54    | <0.54    | 75       | 280      | <0.54    | <0.54  | <0.54  | 355           |
| NS2LL-2.5               | 8d   | NS2                | LL   | 8/3/2018    | 2.5                 | <0.26                   | <0.26    | <0.26    | <0.26    | <0.26    | 1.2      | <0.26    | <0.26  | <0.26  | 1.2           |
| NS2M-0.5                | 8d   | NS2                | M  | 5/18/2018   | 0.5                 | <5.4                    | <5.4     | <5.4     | <5.4     | 98       | 86       | <5.4     | <5.4   | <5.4   | 184           |
| NS2M-1                  | 8d   | NS2                | M  | 5/18/2018   | 1                   | <0.57                   | <0.57    | <0.57    | <0.57    | 1.4      | 3        | <0.57    | <0.57  | <0.57  | 4.4           |
| NS2N-0.5                | 8d   | NS2                | N  | 5/18/2018   | 0.5                 | <0.5                    | <0.5     | <0.5     | <0.5     | 3.2      | <0.5     | <0.5     | <0.5   | <0.5   | 3.2           |
| NS2N-1                  | 8d   | NS2                | N  | 5/18/2018   | 1                   | <54                     | <54      | <54      | <54      | 410      | 670      | <54      | <54    | <54    | 1080          |
| NS2NN-1                 | 8d   | NS2                | NN   | 8/3/2018    | 1                   | <1.1                    | <1.1     | <1.1     | <1.1     | 5.3      | 12       | <1.1     | <1.1   | <1.1   | 17.3          |
| NS2NN-2.5               | 8d   | NS2                | NN   | 8/3/2018    | 2.5                 | <5.3                    | <5.3     | <5.3     | <5.3     | 14       | 30       | <5.3     | <5.3   | <5.3   | 44            |
| NS2O-0.5                | 8d   | NS2                | O  | 5/18/2018   | 0.5                 | <0.51                   | <0.51    | <0.51    | <0.51    | 3.9      | <0.51    | <0.51    | <0.51  | <0.51  | 3.9           |
| NS2O-1                  | 8d   | NS2                | O  | 5/18/2018   | 1                   | <5.2                    | <5.2     | <5.2     | <5.2     | 21       | 43       | <5.2     | <5.2   | <5.2   | 64            |
| NS2OO1-1                | 8d   | NS2                | OO   | 8/3/2018    | 1                   | <0.53                   | <0.53    | <0.53    | <0.53    | 4.5      | 4        | <0.53    | <0.53  | <0.53  | 8.5           |
| NS2OO-2.5               | 8d   | NS2                | OO   | 8/3/2018    | 2.5                 | <0.054                  | <0.054   | <0.054   | <0.054   | <0.054   | 0.065    | <0.054   | <0.054 | <0.054 | 0.065         |
| NS2P-0.5                | 8d   | NS2                | P  | 5/18/2018   | 0.5                 | <0.054                  | <0.054   | <0.054   | <0.054   | 0.19     | <0.054   | <0.054   | <0.054 | <0.054 | 0.19          |
| NS2P-1                  | 8d   | NS2                | P  | 5/18/2018   | 1                   | <5.4                    | <5.4     | <5.4     | <5.4     | 44       | 25       | <5.4     | <5.4   | <5.4   | 69            |
| NS2PP1-1                | 8d   | NS2                | PP   | 8/3/2018    | 1                   | <5.3                    | <5.3     | <5.3     | <5.3     | 88       | 53       | <5.3     | <5.3   | <5.3   | 141           |
| NS2PP-2.5               | 8d   | NS2                | PP   | 8/3/2018    | 2.5                 | <0.054                  | <0.054   | <0.054   | <0.054   | 0.11     | 0.13     | <0.054   | <0.054 | <0.054 | 0.24          |
| NS2PP1-2.5              | 8d   | NS2                | PP1  | 8/3/2018    | 2.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055 | <0.055 | All ND        |
| NS2PP2-1                | 8d   | NS2                | PP2  | 8/3/2018    | 1                   | <0.52                   | <0.52    | <0.52    | <0.52    | 3.4      | 3.5      | <0.52    | <0.52  | <0.52  | 6.9           |
| NS2PP3-1.0              | 8d   | NS2                | PP3  | 9/27/2018   | 1                   | <5.2                    | <5.2     | <5.2     | <5.2     | 42       | 37       | <5.2     |        |        | 79            |
| NS2PP3-2.5              | 8d   | NS2                | PP3  | 9/27/2018   | 2.5                 | <0.054                  | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054 | <0.054 | All ND        |
| NS2PP4-1.0              | 8d   | NS2                | PP4  | 9/27/2018   | 1                   | <0.52                   | <0.52    | <0.52    | <0.52    | 1.9      | 4.3      | <0.52    |        |        | 6.2           |
| NS2PP5-1.0              | 8d   | NS2                | PP5  | 9/27/2018   | 1                   | <55                     | <55      | <55      | <55      | 630      | 760      | <55      |        |        | 1390          |
| NS2PP5-2.5              | 8d   | NS2                | PP5  | 9/27/2018   | 2.5                 | <0.054                  | <0.054   | <0.054   | <0.054   | <0.054   | 1.2      | <0.054   | <0.054 | <0.054 | 1.2           |
| NS2PP6-1.0              | 8d   | NS2                | PP6  | 9/27/2018   | 1                   | <5.4                    | <5.4     | <5.4     | <5.4     | 310      | 600      | <5.4     | <5.4   | <5.4   | 910           |
| NS2PP6-2.5              | 8d   | NS2                | PP6  | 9/27/2018   | 2.5                 | <0.054                  | <0.054   | <0.054   | <0.054   | 0.19     | 0.25     | <0.054   | <0.054 | <0.054 | 0.44          |
| NS2PP7-1.0              | 8d   | NS2                | PP7  | 9/27/2018   | 1                   | <0.053                  | <0.053   | <0.053   | <0.053   | <0.053   | 0.12     | <0.053   | <0.053 | <0.053 | 0.12          |
| NS2PP7-2.5              | 8d   | NS2                | PP7  | 9/27/2018   | 2.5                 | <0.054                  | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054 | <0.054 | All ND        |
| NS2PP0-1                | 8d   | NS2                | PP9  | 9/27/2018   | 1                   | <0.052                  | <0.052   | <0.052   | <0.052   | 0.61     | 1        | <0.052   |        |        | 1.61          |
| NS2PP9-2.5              | 8d   | NS2                | PP9  | 9/27/2018   | 2.5                 | <0.053                  | <0.053   | <0.053   | <0.053   | <0.053   | <0.053   | <0.053   | <0.053 | <0.053 | All ND        |
| NS2PP10-1.0             | 8d   | NS2                | PP10   | 9/27/2018   | 1                   | <0.053                  | <0.053   | <0.053   | <0.053   | 11       | 19       | <0.053   | <0.053 | <0.053 | 30            |
| NS2PP10-2.5             | 8d   | NS2                | PP10   | 9/27/2018   | 2.5                 | <0.052                  | <0.052   | <0.052   | <0.052   | 0.13     | 0.1      | <0.052   | <0.052 | <0.052 | 0.23          |
| NS2Q-0.5                | 8d   | NS2                | Q  | 5/18/2018   | 0.5                 | <0.052                  | <0.052   | <0.052   | <0.052   | <0.052   | <0.052   | <0.052   | <0.052 | <0.052 | All ND        |
| NS2Q-1                  | 8d   | NS2                | Q  | 5/18/2018   | 1                   | <0.054                  | <0.054   | <0.054   | <0.054   | 0.075    | 0.068    | <0.054   | <0.054 | <0.054 | 0.143         |
| S6                      | 8d   | S6                 | Initial >50 Sample   | 8/12/2015   | 0.25                | <0.02UJ                 | <0.02UJ  | <0.02UJ  | 16J      | <0.02UJ  | 51J      | 6.10J    |        |        | 73.1          |
| S6X-2.5                 | 8d   | S6                 | X  | 1/23/2018   | 2.5                 | <0.054                  | <0.054   | <0.054   | <0.054   | 0.4      | 0.52     | <0.054   | <0.054 | <0.054 | 0.92          |
| S6A-1                   | 8d   | S6                 | A  | 1/23/2018   | 1                   | <0.054                  | <0.054   | <0.054   | <0.054   | <0.054   | 0.062    | <0.054   | <0.054 | <0.054 | 0.062         |
| S6A-2.5                 | 8d   | S6                 | A  | 1/23/2018   | 2.5                 | <0.054                  | <0.054   | <0.054   | <0.054   | <0.054   | 0.12     | <0.054   | <0.054 | <0.054 | 0.12          |
| S6B-1                   | 8d   | S6                 | B  | 1/23/2018   | 1                   | <0.053                  | <0.053   | <0.053   | <0.053   | 0.096    | 0.44     | <0.053   | <0.053 | <0.053 | 0.536         |
| S6B-2.5                 | 8d   | S6                 | B  | 1/23/2018   | 2.5                 | <0.053                  | <0.053   | <0.053   | <0.053   | 0.078    | 0.32     | <0.053   | <0.053 | <0.053 | 0.398         |

**Table 1**  
**Polychlorinated Biphenyls (PCBs) in Soil**  
**Remedial Action Plan**  
Riverside Scrap Iron & Metal Site  
Riverside, California

| Sample/<br>Boring<br>ID | Area | Sample<br>Location | 2018 Investigation<br>Step-Out Sample<br>Designation or<br>Information | Sample Date | depth<br>(feet bgs) | EPA Method 8082 (mg/kg) |          |          |          |          |          |          |        |        |             | Total<br>PCBs |
|-------------------------|------|--------------------|--|-------------|---------------------|-------------------------|----------|----------|----------|----------|----------|----------|--------|--------|-------------|---------------|
|                         |      |                    |  |             |                     | PCB-1016                | PCB-1221 | PCB-1232 | PCB-1242 | PCB-1248 | PCB-1254 | PCB-1260 |        |        |             |               |
| S6C-1                   | 8d   | S6                 | C  | 1/23/2018   | 1                   | <0.054                  | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054 | <0.054 | All ND      |               |
| S6C-2.5                 | 8d   | S6                 | C  | 1/23/2018   | 2.5                 | <0.053                  | <0.053   | <0.053   | <0.053   | <0.053   | <0.053   | <0.053   | <0.053 | <0.053 | All ND      |               |
| S6D-1                   | 8d   | S6                 | D  | 1/23/2018   | 1                   | <0.054                  | <0.054   | <0.054   | <0.054   | 0.39     | 0.66     | <0.054   | <0.054 | <0.054 | 1.05        |               |
| S6D-2.5                 | 8d   | S6                 | D  | 1/23/2018   | 2.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055 | <0.055 | All ND      |               |
| <b>Area 8E</b>          |      |                    |  |             |                     |                         |          |          |          |          |          |          |        |        |             |               |
| A8e-SB1                 | 8e   | SB1                | NA   | 1/25/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | 0.219    | <0.05    |        |        | 0.219       |               |
| A8e-SB2                 | 8e   | SB2                | NA   | 1/25/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | 0.109    | <0.05    |        |        | 0.109       |               |
| A8e-SB3                 | 8e   | SB3                | NA   | 1/25/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    |        |        | All ND      |               |
| A8e-SB5                 | 8e   | SB5                | NA   | 1/26/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    |        |        | All ND      |               |
| A8e-SB6                 | 8e   | SB6                | NA   | 1/26/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | 1.43     | <0.05    |        |        | 1.43        |               |
| A8e-SB7                 | 8e   | SB7                | NA   | 1/26/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    |        |        | All ND      |               |
| A8e-SB8                 | 8e   | SB8                | NA   | 1/26/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    |        |        | All ND      |               |
| NS1                     | 8e   | NS1                | NA   | 8/10/2015   | 0.25                | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | 0.094    | 0.057    |        |        | 0.151       |               |
| NS24                    | 8e   | NS24               | NA   | 8/10/2015   | 0.25                | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | 0.024    | 0.021    |        |        | 0.045       |               |
| NS24                    | 8e   | NS24               | NA   | 8/10/2015   | 2.5                 | <0.02UJ                 | <0.02UJ  | <0.02UJ  | <0.02UJ  | <0.02UJ  | <0.02UJ  | <0.02UJ  |        |        | All ND      |               |
| NS4                     | 8e   | NS4                | NA   | 8/10/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | 0.13     | 0.033    |        |        | 0.163       |               |
| NS6                     | 8e   | NS6                | NA   | 8/10/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        | All ND      |               |
| S1                      | 8e   | S1                 | NA   | 8/11/2015   | 0.25                | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        | All ND      |               |
| S1                      | 8e   | S1                 | NA   | 8/11/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        | All ND      |               |
| S2                      | 8e   | S2                 | NA   | 8/12/2015   | 0.25                | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | 0.051    | <0.02    |        |        | 0.051       |               |
| S2                      | 8e   | S2                 | NA   | 8/12/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        | All ND      |               |
| A8e-SB4                 | 8e   | SB4                | Initial >50 Sample   | 1/25/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | 62.8     |        |        | <b>62.8</b> |               |
| A8e-SB4X-2.5            | 8e   | SB4                | X  | 1/23/2018   | 2.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055 | <0.055 | All ND      |               |
| A8e-SB4A-1              | 8e   | SB4                | A  | 1/23/2018   | 1                   | <0.056                  | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056 | <0.056 | All ND      |               |
| A8e-SB4A-2.5            | 8e   | SB4                | A  | 1/23/2018   | 2.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055 | <0.055 | All ND      |               |
| A8e-SB4B-1              | 8e   | SB4                | B  | 1/23/2018   | 1                   | <0.055                  | <0.055   | <0.055   | <0.055   | 0.35     | 0.39     | <0.055   | <0.055 | <0.055 | 0.74        |               |
| A8e-SB4B-2.5            | 8e   | SB4                | B  | 1/23/2018   | 2.5                 | <0.056                  | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056 | <0.056 | All ND      |               |
| A8e-SB4C-1              | 8e   | SB4                | C  | 1/23/2018   | 1                   | <5.7                    | <5.7     | <5.7     | <5.7     | 48       | 76       | <5.7     | <5.7   | <5.7   | <b>124</b>  |               |
| A8e-SB4C-2.5            | 8e   | SB4                | C  | 1/23/2018   | 2.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055 | <0.055 | All ND      |               |
| A8e-SB4D-1              | 8e   | SB4                | D  | 1/23/2018   | 1                   | <0.056                  | <0.056   | <0.056   | <0.056   | 0.16     | 0.39     | <0.056   | <0.056 | <0.056 | 0.55        |               |
| A8e-SB4D-2.5            | 8e   | SB4                | D  | 1/23/2018   | 2.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055 | <0.055 | All ND      |               |
| A8e-SB4E-0.5            | 8e   | SB4                | E  | 5/18/2018   | 0.5                 | <0.053                  | <0.053   | <0.053   | <0.053   | 0.17     | 0.2      | <0.053   | <0.053 | <0.053 | 0.37        |               |
| A8e-SB4E-1              | 8e   | SB4                | E  | 5/18/2018   | 1                   | <0.055                  | <0.055   | <0.055   | <0.055   | 0.11     | 0.072    | <0.055   | <0.055 | <0.055 | 0.182       |               |
| A8e-SB4F-0.5            | 8e   | SB4                | F  | 5/18/2018   | 0.5                 | <0.053                  | <0.053   | <0.053   | <0.053   | 0.18     | 0.25     | 0.11     | <0.053 | <0.053 | 0.54        |               |
| A8e-SB4F-1              | 8e   | SB4                | F  | 5/18/2018   | 1                   | <0.057                  | <0.057   | <0.057   | <0.057   | <0.057   | <0.057   | <0.057   | <0.057 | <0.057 | All ND      |               |
| A8e-SB4G-0.5            | 8e   | SB4                | G  | 5/18/2018   | 0.5                 | <0.052                  | <0.052   | <0.052   | <0.052   | 0.17     | 0.71     | <0.052   | <0.052 | <0.052 | 0.88        |               |
| A8e-SB4G-1              | 8e   | SB4                | G  | 5/18/2018   | 1                   | <0.054                  | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054 | <0.054 | All ND      |               |
| <b>Area 8F</b>          |      |                    |  |             |                     |                         |          |          |          |          |          |          |        |        |             |               |
| A8f-SB1                 | 8f   | SB1                | NA   | 1/25/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    |        |        | All ND      |               |
| A8f-SB2                 | 8f   | SB2                | NA   | 1/25/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | 0.161    | <0.05    |        |        | 0.161       |               |
| A8f-SB3                 | 8f   | SB3                | NA   | 1/25/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | 3.07     | <0.05    |        |        | 3.07        |               |
| NS3                     | 8f   | NS3                | NA   | 8/10/2015   | 0.25                | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | 0.047    | 0.043    |        |        | 0.09        |               |
| NS5                     | 8f   | NS5                | NA   | 8/10/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        | All ND      |               |
| S3                      | 8f   | S3                 | NA   | 8/11/2015   | 0.25                | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | 0.076    | 0.047    |        |        | 0.123       |               |
| S3                      | 8f   | S3                 | NA   | 8/11/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        | All ND      |               |
| <b>Area 8G</b>          |      |                    |  |             |                     |                         |          |          |          |          |          |          |        |        |             |               |

**Table 1**  
**Polychlorinated Biphenyls (PCBs) in Soil**  
**Remedial Action Plan**  
**Riverside Scrap Iron & Metal Site**  
**Riverside, California**

| Sample/<br>Boring<br>ID | Area | Sample<br>Location | 2018 Investigation<br>Step-Out Sample<br>Designation or<br>Information | Sample Date | depth<br>(feet bgs) | EPA Method 8082 (mg/kg) |          |          |          |          |          |          |        |        |               |            |
|-------------------------|------|--------------------|--|-------------|---------------------|-------------------------|----------|----------|----------|----------|----------|----------|--------|--------|---------------|------------|
|                         |      |                    |  |             |                     | PCB-1016                | PCB-1221 | PCB-1232 | PCB-1242 | PCB-1248 | PCB-1254 | PCB-1260 |        |        | Total<br>PCBs |            |
| A8g-SB1                 | 8g   | SB1                | NA   | 1/26/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    | <0.05  |        |               | All ND     |
| A8g-SB2                 | 8g   | SB2                | NA   | 1/26/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    | <0.05  |        |               | All ND     |
| A8g-SB3                 | 8g   | SB3                | NA   | 1/26/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    | <0.05  |        |               | All ND     |
| S17                     | 8g   | S17                | NA   | 8/14/2015   | 0.25                | <0.02                   | <0.02    | <0.02    | 0.026    | <0.02    | 0.06     | 0.03     |        |        |               | 0.116      |
| S19                     | 8g   | S19                | NA   | 8/14/2015   | 0.25                | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        |               | All ND     |
| S19                     | 8g   | S19                | NA   | 8/14/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        |               | All ND     |
| <b>Area 8H</b>          |      |                    |  |             |                     |                         |          |          |          |          |          |          |        |        |               |            |
| A8h-SB1                 | 8h   | SB1                | NA   | 1/28/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    | <0.05  |        |               | All ND     |
| A8h-SB10                | 8h   | SB10               | NA   | 1/28/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    | <0.05  |        |               | All ND     |
| A8h-SB2                 | 8h   | SB2                | NA   | 1/28/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | 1.3      | <0.05    |        |        |               | 1.3        |
| A8h-SB3                 | 8h   | SB3                | NA   | 1/28/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | 1.18     | 0.699    | <0.05    |        |        |               | 1.879      |
| A8h-SB4                 | 8h   | SB4                | NA   | 1/28/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | 1.57     | 0.552    | <0.05    |        |        |               | 2.122      |
| A8h-SB5                 | 8h   | SB5                | NA   | 1/28/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    |        |        |               | All ND     |
| A8h-SB6                 | 8h   | SB6                | NA   | 1/28/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | 0.054    | <0.05    | <0.05    |        |        |               | 0.054      |
| A8h-SB7                 | 8h   | SB7                | NA   | 1/28/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | 1.73     | 1.81     | <0.05    |        |        |               | 3.54       |
| A8h-SB8                 | 8h   | SB8                | NA   | 1/28/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | 1.49     | 0.536    | <0.05    |        |        |               | 2.026      |
| A8h-SB9                 | 8h   | SB9                | NA   | 1/28/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    |        |        |               | All ND     |
| ES3                     | 8h   | ES3                | NA   | 8/14/2015   | 0.25                | <0.02                   | <0.02    | <0.02    | 0.2      | <0.02    | 0.41     | 0.17     |        |        |               | 0.78       |
| S18                     | 8h   | S18                | NA   | 8/14/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        |               | All ND     |
| NS17                    | 8h   | NS17               | NA   | 8/21/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        |               | All ND     |
| NS18                    | 8h   | NS18               | NA   | 8/21/2015   | 0.25                | <0.02UJ                 | <0.02UJ  | <0.02UJ  | .250J    | <0.02UJ  | .420J    | 0.150J   |        |        |               | 0.82       |
| NS18                    | 8h   | NS18               | NA   | 8/21/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        |               | All ND     |
| NS19                    | 8h   | NS19               | NA   | 8/21/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        |               | All ND     |
| NS20                    | 8h   | NS20               | NA   | 8/21/2015   | 2.5                 | <0.02UJ                 | <0.02UJ  | <0.02UJ  | 3.2J     | <0.02UJ  | 1.500J   | 1.1J     |        |        |               | 5.8        |
| NS20                    | 8h   | NS20               | NA   | 8/21/2015   | 5                   | <0.02UJ                 | <0.02UJ  | <0.02UJ  | 1.1J     | <0.02UJ  | .480J    | 0.290J   |        |        |               | 1.87       |
| NS21                    | 8h   | NS21               | NA   | 8/21/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        |               | All ND     |
| <b>Area 10A</b>         |      |                    |  |             |                     |                         |          |          |          |          |          |          |        |        |               |            |
| A10a-SB1                | 10a  | SB1                | NA   | 1/28/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    | <0.05  |        |               | All ND     |
| A10a-SB2                | 10a  | SB2                | NA   | 1/28/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    | <0.05  |        |               | All ND     |
| ES1                     | 10a  | ES1                | NA   | 8/19/2015   | 0.25                | <0.2                    | <0.2     | <0.2     | <0.2     | <0.2     | <0.2     | <0.2     |        |        |               | All ND     |
| ES1                     | 10a  | ES1                | NA   | 8/19/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        |               | All ND     |
| <b>Area 10B</b>         |      |                    |  |             |                     |                         |          |          |          |          |          |          |        |        |               |            |
| A10b-SB1                | 10b  | SB1                | NA   | 1/26/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | 0.112    | <0.05    |        |        |               | 0.112      |
| A10b-SB2                | 10b  | SB2                | NA   | 1/26/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | 2.19     | 1.29     | <0.05    |        |        |               | 3.48       |
| A10b-SB3                | 10b  | SB3                | NA   | 1/26/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | 7.12     | <0.05    |        |        |               | 7.12       |
| S15                     | 10b  | S15                | NA   | 8/12/2015   | 0.25                | <0.02UJ                 | <0.02UJ  | <0.02UJ  | 0.230J   | <0.02UJ  | 0.095J   | 0.023J   |        |        |               | 0.348      |
| S15                     | 10b  | S15                | NA   | 8/12/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        |               | 0          |
| NS11                    | 10b  | NS11               | NA   | 8/11/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | 0.039    | 0.027    |        |        |               | 0.066      |
| NS12                    | 10b  | NS12               | NA   | 8/13/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |        |        |               | All ND     |
| NS13                    | 10b  | NS13               | NA   | 8/13/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | 0.071    | <0.02    | 0.076    | 0.032    |        |        |               | 0.179      |
| S14                     | 10b  | S14                | Initial >50 Sample   | 8/13/2015   | 1                   | <0.2                    | <0.2     | <0.2     | 48J      | <0.02    | 50J      | 18.0J    |        |        |               | <b>116</b> |
| S14                     | 10b  | S14                | Initial >50 Sample   | 8/13/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | 0.038    | <0.02    |        |        |               | 0.038      |
| S14                     | 10b  | S14                | Initial >50 Sample   | 8/13/2015   | 0.25                | <0.02UJ                 | <0.02UJ  | <0.02UJ  | 2.9J     | <0.02UJ  | 15J      | 9.30J    |        |        |               | 27.2       |
| S14A-1                  | 10b  | S14                | A  | 1/23/2018   | 1                   | <5.7                    | <5.7     | <5.7     | <5.7     | 50       | 33       | 22       | <5.7   | <5.7   |               | <b>105</b> |
| S14A-2.5                | 10b  | S14                | A  | 1/23/2018   | 2.5                 | <0.057                  | <0.057   | <0.057   | <0.057   | 0.097    | <0.057   | <0.057   | <0.057 | <0.057 | <0.057        | 0.097      |
| S14B-1                  | 10b  | S14                | B  | 1/23/2018   | 1                   | <2.8                    | <2.8     | <2.8     | <2.8     | 14       | 13       | 10       | <2.8   | <2.8   |               | 37         |

**Table 1**  
**Polychlorinated Biphenyls (PCBs) in Soil**  
**Remedial Action Plan**  
**Riverside Scrap Iron & Metal Site**  
**Riverside, California**

| Sample/<br>Boring<br>ID | Area | Sample<br>Location | 2018 Investigation<br>Step-Out Sample<br>Designation or<br>Information | Sample Date | depth<br>(feet bgs) | EPA Method 8082 (mg/kg) |          |          |          |          |          |          |        |        |               |
|-------------------------|------|--------------------|--|-------------|---------------------|-------------------------|----------|----------|----------|----------|----------|----------|--------|--------|---------------|
|                         |      |                    |  |             |                     | PCB-1016                | PCB-1221 | PCB-1232 | PCB-1242 | PCB-1248 | PCB-1254 | PCB-1260 |        |        | Total<br>PCBs |
| S14B-2.5                | 10b  | S14                | B  | 1/23/2018   | 2.5                 | <0.056                  | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056 | <0.056 | 0             |
| S14C-1                  | 10b  | S14                | C  | 1/23/2018   | 1                   | <0.54                   | <0.54    | <0.54    | <0.54    | 8.5      | 11       | 11       | <0.54  | <0.54  | 30.5          |
| S14C-2.5                | 10b  | S14                | C  | 1/23/2018   | 2.5                 | <5.5                    | <5.5     | <5.5     | <5.5     | 82       | 47       | 8.9      | <5.5   | <5.5   | 137.9         |
| S14C-5                  | 10b  | S14                | C  | 1/23/2018   | 5                   | <0.055                  | <0.055   | <0.055   | <0.055   | 0.28     | 0.23     | <0.055   | <0.055 | <0.055 | 0.51          |
| S14D-1                  | 10b  | S14                | D  | 1/23/2018   | 1                   | <3                      | <3       | <3       | <3       | 43       | 36       | 22       | <3     | <3     | 101           |
| S14D-2.5                | 10b  | S14                | D  | 1/23/2018   | 2.5                 | <0.056                  | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056 | <0.056 | All ND        |
| S14BB-0.5               | 10b  | S14                | BB   | 5/18/2018   | 0.5                 | <0.52                   | <0.52    | <0.52    | <0.52    | 9.3      | 7.8      | 8.3      | <0.52  | <0.52  | 25            |
| S14BB-1                 | 10b  | S14                | BB   | 5/18/2018   | 1                   | <0.54                   | <0.54    | <0.54    | <0.54    | 7.1      | 8.4      | 9.2      | <0.54  | <0.54  | 25            |
| S14E-0.5                | 10b  | S14                | E  | 5/18/2018   | 0.5                 | <0.55                   | <0.55    | <0.55    | <0.55    | 6.7      | <0.55    | 260      | <0.55  | <0.55  | 270           |
| S14E-1                  | 10b  | S14                | E  | 5/18/2018   | 1                   | <0.57                   | <0.57    | <0.57    | <0.57    | 39       | 13       | 4        | <0.57  | <0.57  | 56            |
| S14F-0.5                | 10b  | S14                | F  | 5/18/2018   | 0.5                 | <5.2                    | <5.2     | <5.2     | <5.2     | 16       | 9.7      | 10       | <5.2   | <5.2   | 36            |
| S14F-1                  | 10b  | S14                | F  | 5/18/2018   | 1                   | <2.7                    | <2.7     | <2.7     | <2.7     | 17       | <2.7     | 37       | <2.7   | <2.7   | 53            |
| S14G-0.5                | 10b  | S14                | G  | 5/18/2018   | 0.5                 | <2.6                    | <2.6     | <2.6     | <2.6     | 9.4      | 9.4      | 10       | <2.6   | <2.6   | 29            |
| S14G-1                  | 10b  | S14                | G  | 5/18/2018   | 1                   | <2.7                    | <2.7     | <2.7     | <2.7     | 11       | 14       | 32       | <2.7   | <2.7   | 57            |
| S14G-2.5                | 10b  | S14                | G  | 5/18/2018   | 2.5                 | <0.26                   | <0.26    | <0.26    | <0.26    | 0.6      | 2.5      | 5.2      | <0.26  | <0.26  | 8.2           |
| S14H-0.5                | 10b  | S14                | H  | 5/18/2018   | 0.5                 | <2.5                    | <2.5     | <2.5     | <2.5     | 12       | 10       | 12       | <2.5   | <2.5   | 34            |
| S14H-1                  | 10b  | S14                | H  | 5/18/2018   | 1                   | <2.7                    | <2.7     | <2.7     | <2.7     | 9.7      | 8        | 8.9      | <2.7   | <2.7   | 27            |
| S14H-2.5                | 10b  | S14                | H  | 5/18/2018   | 2.5                 | <0.052                  | <0.052   | <0.052   | <0.052   | 0.23     | 0.32     | 0.52     | <0.052 | <0.052 | 1.1           |
| S14I-0.5                | 10b  | S14                | I  | 5/18/2018   | 0.5                 | <5.4                    | <5.4     | <5.4     | <5.4     | 13       | 8.4      | 8.8      | <5.4   | <5.4   | 30            |
| S14I-1                  | 10b  | S14                | I  | 5/18/2018   | 1                   | <2.7                    | <2.7     | <2.7     | <2.7     | 3.7      | <2.7     | 12       | <2.7   | <2.7   | 16            |
| S14I-2.5                | 10b  | S14                | I  | 5/18/2018   | 2.5                 | <2.7                    | <2.7     | <2.7     | <2.7     | 6.3      | <2.7     | 28       | <2.7   | <2.7   | 34            |
| S14J-0.5                | 10b  | S14                | J  | 5/18/2018   | 0.5                 | <0.053                  | <0.053   | <0.053   | <0.053   | 0.26     | 0.089    | 0.064    | <0.053 | <0.053 | 0.42          |
| S14J-1                  | 10b  | S14                | J  | 5/18/2018   | 1                   | <0.61                   | <0.61    | <0.61    | <0.61    | 1.1      | <0.61    | 30       | <0.61  | <0.61  | 31            |
| S14K-0.5                | 10b  | S14                | K  | 5/18/2018   | 0.5                 | <0.52                   | <0.52    | <0.52    | <0.52    | 4.3      | 3        | 3.5      | <0.52  | <0.52  | 11            |
| S14K-1                  | 10b  | S14                | K  | 5/18/2018   | 1                   | <6                      | <6       | <6       | <6       | 13       | 13       | 20       | <6     | <6     | 46            |
| S14L-0.5                | 10b  | S14                | L  | 5/18/2018   | 0.5                 | <0.25                   | <0.25    | <0.25    | <0.25    | 1.4      | <0.25    | 1.3      | <0.25  | <0.25  | 2.7           |
| S14L-1                  | 10b  | S14                | L  | 5/18/2018   | 1                   | <0.55                   | <0.55    | <0.55    | <0.55    | 6.1      | <0.55    | 57       | <0.55  | <0.55  | 64            |
| S14M-0.5                | 10b  | S14                | M  | 5/18/2018   | 0.5                 | <0.51                   | <0.51    | <0.51    | <0.51    | 5.7      | <0.51    | 75       | <0.51  | <0.51  | 81            |
| S14M-1                  | 10b  | S14                | M  | 5/18/2018   | 1                   | <0.54                   | <0.54    | <0.54    | <0.54    | 3.5      | <0.54    | 28       | <0.54  | <0.54  | 31            |
| S14E1-0.5               | 10b  | S14                | E1   | 7/26/2018   | 0.5                 | <0.53                   | <0.53    | <0.53    | <0.53    | <0.53    | <0.53    | 7.2      | <0.53  | <0.53  | 7.2           |
| S14EE-2.5               | 10b  | S14                | EE   | 7/26/2018   | 2.5                 | <0.052                  | <0.052   | <0.052   | <0.052   | 0.085    | <0.052   | <0.052   | <0.052 | <0.052 | 0.085         |
| S14FF-2.5               | 10b  | S14                | FF   | 7/26/2018   | 2.5                 | <0.054                  | <0.054   | <0.054   | <0.054   | 1.6      | 1.1      | 0.43     | <0.054 | <0.054 | 3.1           |
| S14FF1-1                | 10b  | S14                | FF1  | 7/26/2018   | 1                   | <2.6                    | <2.6     | <2.6     | <2.6     | 12       | 19       | 15       | <2.6   | <2.6   | 46            |
| S14G1-1                 | 10b  | S14                | G1   | 7/26/2018   | 1                   | <2.6                    | <2.6     | <2.6     | <2.6     | 12       | 15       | 12       | <2.6   | <2.6   | 39            |
| S14G2-1                 | 10b  | S14                | G2   | 7/26/2018   | 1                   | <2.6                    | <2.6     | <2.6     | <2.6     | 9.8      | 14       | 11       | <2.6   | <2.6   | 35            |
| S14LL-2.5               | 10b  | S14                | LL   | 7/26/2018   | 2.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | 0.17     | <0.055   | 0.2      | <0.055 | <0.055 | 0.37          |
| S14LL1-1                | 10b  | S14                | LL1  | 7/26/2018   | 1                   | <0.55                   | <0.55    | <0.55    | <0.55    | 3.3      | 3.3      | 2.7      | <0.55  | <0.55  | 9.4           |
| S14LL2-1                | 10b  | S14                | LL2  | 7/26/2018   | 1                   | <0.54                   | <0.54    | <0.54    | <0.54    | 6.9      | <0.54    | 1.3      | <0.54  | <0.54  | 8.2           |
| S14LL3-0.5              | 10b  | S14                | LL3  | 7/26/2018   | 0.5                 | <0.52                   | <0.52    | <0.52    | <0.52    | 9.4      | 6.9      | 1.7      | <0.52  | <0.52  | 18            |
| S14LL3-1                | 10b  | S14                | LL3  | 7/26/2018   | 1                   | <0.056                  | <0.056   | <0.056   | <0.056   | 15       | 12       | 13       | <0.056 | <0.056 | 40            |
| S14M1-0.5               | 10b  | S14                | M1   | 7/26/2018   | 0.5                 | <2.5                    | <2.5     | <2.5     | <2.5     | 17       | 12       | 7.5      | <2.5   | <2.5   | 36            |
| S14M1-1                 | 10b  | S14                | M1   | 7/26/2018   | 1                   | <2.6                    | <2.6     | <2.6     | <2.6     | 44       | <2.6     | 5        | <2.6   | <2.6   | 49            |
| A10b-SB4                | 10b  | SB4                | Initial >50 Sample   | 1/26/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | 73.8     |        |        | 73.8          |
| A10b-SB4X-2.5           | 10b  | SB4                | X  | 1/23/2018   | 2.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | 0.087    | <0.055   | 0.35     | <0.055 | <0.055 | 0.44          |
| A10b-SB4A-1             | 10b  | SB4                | A  | 1/23/2018   | 1                   | <5.6                    | <5.6     | <5.6     | <5.6     | <5.6     | <5.6     | 37       | <5.6   | <5.6   | 37            |
| A10b-SB4A-2.5           | 10b  | SB4                | A  | 1/23/2018   | 2.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | 0.14     | <0.055 | <0.055 | 0.14          |

**Table 1**  
**Polychlorinated Biphenyls (PCBs) in Soil**  
**Remedial Action Plan**  
**Riverside Scrap Iron & Metal Site**  
**Riverside, California**

| Sample/<br>Boring<br>ID | Area | Sample<br>Location | 2018 Investigation<br>Step-Out Sample<br>Designation or<br>Information | Sample Date | depth<br>(feet bgs) | EPA Method 8082 (mg/kg) |          |          |          |          |          |          |        |        |               |
|-------------------------|------|--------------------|--|-------------|---------------------|-------------------------|----------|----------|----------|----------|----------|----------|--------|--------|---------------|
|                         |      |                    |  |             |                     | PCB-1016                | PCB-1221 | PCB-1232 | PCB-1242 | PCB-1248 | PCB-1254 | PCB-1260 |        |        | Total<br>PCBs |
| A10b-SB4B-1             | 10b  | SB4                | B  | 1/23/2018   | 1                   | <28                     | <28      | <28      | <28      | <28      | <28      | 140      | <28    | <28    | <b>140</b>    |
| A10b-SB4B-2.5           | 10b  | SB4                | B  | 1/23/2018   | 2.5                 | <0.056                  | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | 0.24     | <0.056 | <0.056 | 0.24          |
| A10b-SB4C-1             | 10b  | SB4                | C  | 1/23/2018   | 1                   | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | 1.1      | <0.055 | <0.055 | 1.2           |
| A10b-SB4C-2.5           | 10b  | SB4                | C  | 1/23/2018   | 2.5                 | <0.054                  | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | 0.13     | <0.054 | <0.054 | 0.13          |
| A10b-SB4D-1             | 10b  | SB4                | D  | 1/23/2018   | 1                   | <5.6                    | <5.6     | <5.6     | <5.6     | <5.6     | <5.6     | 19       | <5.6   | <5.6   | 19            |
| A10b-SB4D-2.5           | 10b  | SB4                | D  | 1/23/2018   | 2.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | 0.12     | <0.055 | <0.055 | 0.12          |
| A10b-SB4AA-0.5          | 10b  | SB4                | AA   | 5/18/2018   | 0.5                 | <0.52                   | <0.52    | <0.52    | <0.52    | 6.8      | <0.52    | 87       | <0.52  | <0.52  | <b>94</b>     |
| A10b-SB4AA-1            | 10b  | SB4                | AA   | 5/18/2018   | 1                   | <0.054                  | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054 | <0.054 | All ND        |
| A10b-SB4E-0.5           | 10b  | SB4                | E  | 5/18/2018   | 0.5                 | <1.1                    | <1.1     | <1.1     | <1.1     | 2.7      | <1.1     | 26       | <1.1   | <1.1   | 29            |
| A10b-SB4E-1             | 10b  | SB4                | E  | 5/18/2018   | 1                   | <0.28                   | <0.28    | <0.28    | <0.28    | 0.72     | <0.28    | 21       | <0.28  | <0.28  | 22            |
| A10b-SB4F-0.5           | 10b  | SB4                | F  | 5/18/2018   | 0.5                 | <0.056                  | <0.056   | <0.056   | <0.056   | 0.26     | 0.31     | 0.46     | <0.056 | <0.056 | 1             |
| A10b-SB4F-1             | 10b  | SB4                | F  | 5/18/2018   | 1                   | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | 0.096    | <0.055 | <0.055 | 0.096         |
| A10b-SB4G-0.5           | 10b  | SB4                | G  | 5/18/2018   | 0.5                 | <0.27                   | <0.27    | <0.27    | <0.27    | 0.91     | 1.8      | 2.1      | <0.27  | <0.27  | 4.8           |
| A10b-SB4G-1             | 10b  | SB4                | G  | 5/18/2018   | 1                   | <27                     | <27      | <27      | <27      | <27      | <27      | 2600     | <27    | <27    | <b>2600</b>   |
| A10b-SB4J-0.5           | 10b  | SB4                | J  | 5/18/2018   | 0.5                 | <0.27                   | <0.27    | <0.27    | <0.27    | 0.32     | 0.64     | 1.3      | <0.27  | <0.27  | 2.2           |
| A10b-SB4J-1             | 10b  | SB4                | J  | 5/18/2018   | 1                   | <0.055                  | <0.055   | <0.055   | <0.055   | 0.057    | <0.055   | 0.13     | <0.055 | <0.055 | 0.19          |
| A10b-SB4K-0.5           | 10b  | SB4                | K  | 5/18/2018   | 0.5                 | <0.054                  | <0.054   | <0.054   | <0.054   | 0.11     | <0.054   | 2.4      | <0.054 | <0.054 | 2.5           |
| A10b-SB4K-1             | 10b  | SB4                | K  | 5/18/2018   | 1                   | <27                     | <27      | <27      | <27      | <27      | <27      | 180      | <27    | <27    | <b>180</b>    |
| SB4AA1-0.5              | 10b  | SB4                | AA   | 7/26/2018   | 0.5                 | <5.4                    | <5.4     | <5.4     | <5.4     | <5.4     | <5.4     | 55       | <5.4   | <5.4   | <b>55</b>     |
| SB4AA1-1                | 10b  | SB4                | AA   | 7/26/2018   | 1                   | <0.054                  | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | 0.24     | <0.054 | <0.054 | 0.24          |
| SB4AA2-0.5              | 10b  | SB4                | AA2  | 7/26/2018   | 0.5                 | <5.2                    | <5.2     | <5.2     | <5.2     | <5.2     | <5.2     | 50       | <5.2   | <5.2   | <b>50</b>     |
| SB4AA2-1                | 10b  | SB4                | AA2  | 7/26/2018   | 1                   | <0.53                   | <0.53    | <0.53    | <0.53    | 0.54     | <0.53    | 2.4      | <0.53  | <0.53  | 2.9           |
| SB4AA7-0.5              | 10b  | SB4                | AA7  | 9/27/2018   | 0.5                 | <2.5                    | <2.5     | <2.5     | <2.5     | <2.5     | <2.5     | 13       |        |        | 13            |
| SB4AA7-1.0              | 10b  | SB4                | AA7  | 9/27/2018   | 1                   | <0.052                  | <0.052   | <0.052   | <0.052   | <0.052   | <0.052   | <0.052   |        |        | All ND        |
| SB4AA8-0.5              | 10b  | SB4                | AA8  | 9/27/2018   | 0.5                 | <0.51                   | <0.51    | <0.51    | <0.51    | <0.51    | <0.51    | 4.2      |        |        | 4.2           |
| SB4AA8-1.0              | 10b  | SB4                | AA8  | 9/27/2018   | 1                   | <0.052                  | <0.052   | <0.052   | <0.052   | <0.052   | <0.052   | <0.052   |        |        | All ND        |
| SB4GG-2.5               | 10b  | SB4                | GG   | 7/26/2018   | 2.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055 | <0.055 | All ND        |
| SB4KK1-1                | 10b  | SB4                | KK   | 7/26/2018   | 1                   | <5.5                    | <5.5     | <5.5     | <5.5     | <5.5     | <5.5     | 110      | <5.5   | <5.5   | <b>110</b>    |
| SB4KK-2.5               | 10b  | SB4                | KK   | 7/26/2018   | 2.5                 | <0.054                  | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054 | <0.054 | All ND        |
| SB4KK1-2.5              | 10b  | SB4                | KK1  | 7/26/2018   | 2.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055 | <0.055 | All ND        |
| SB4KK2-1                | 10b  | SB4                | KK2  | 7/26/2018   | 1                   | <5.4                    | <5.4     | <5.4     | <5.4     | <5.4     | <5.4     | 27       | <5.4   | <5.4   | 27            |
| SB4KK3-1                | 10b  | SB4                | KK3  | 7/26/2018   | 1                   | <5.4                    | <5.4     | <5.4     | <5.4     | <5.4     | <5.4     | 21       | <5.4   | <5.4   | 21            |
| SB4AA3-0.5              | 10b  | SB4                | AA3  | 8/3/2018    | 0.5                 | <0.26                   | <0.26    | <0.26    | <0.26    | <0.26    | <0.26    | 1.7      | <0.26  | <0.26  | 1.7           |
| SB4AA3-1                | 10b  | SB4                | AA3  | 8/3/2018    | 1                   | <0.054                  | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | 0.85     | <0.054 | <0.054 | 0.85          |
| SB4AA4-0.5              | 10b  | SB4                | AA4  | 8/3/2018    | 0.5                 | <25                     | <25      | <25      | <25      | <25      | <25      | 140      | <25    | <25    | <b>140</b>    |
| SB4AA4-1                | 10b  | SB4                | AA4  | 8/3/2018    | 1                   | <0.053                  | <0.053   | <0.053   | <0.053   | <0.053   | <0.053   | 0.058    | <0.053 | <0.053 | 0.058         |
| SB4AA5-0.5              | 10b  | SB4                | AA5  | 8/3/2018    | 0.5                 | <0.051                  | <0.051   | <0.051   | <0.051   | <0.051   | <0.051   | 0.1      | <0.051 | <0.051 | 0.1           |
| SB4AA5-1                | 10b  | SB4                | AA5  | 8/3/2018    | 1                   | <0.052                  | <0.052   | <0.052   | <0.052   | <0.052   | <0.052   | <0.052   | <0.052 | <0.052 | All ND        |
| SB4AA6-0.5              | 10b  | SB4                | AA6  | 8/3/2018    | 0.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | 0.072    | <0.055 | <0.055 | 0.072         |
| SB4AA6-1                | 10b  | SB4                | AA6  | 8/3/2018    | 1                   | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | 0.31     | <0.055 | <0.055 | 0.31          |
| SB4KK4-1                | 10b  | SB4                | KK4  | 8/3/2018    | 1                   | <27                     | <27      | <27      | <27      | <27      | <27      | 170      | <27    | <27    | <b>170</b>    |
| SB4KK4-2.5              | 10b  | SB4                | KK4  | 8/3/2018    | 2.5                 | <0.05                   | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    | 0.06     | <0.05  | <0.05  | 0.06          |
| SBKK5-1                 | 10b  | SB4                | KK5  | 8/3/2018    | 1                   | <54                     | <54      | <54      | <54      | 70       | <54      | 140      | <54    | <54    | <b>210</b>    |
| SB4KK5-2.5              | 10b  | SB4                | KK5  | 8/3/2018    | 2.5                 | <0.056                  | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | 0.21     | <0.056 | <0.056 | 0.21          |
| SB4KK6-0.5              | 10b  | SB4                | KK6  | 9/27/2018   | 0.5                 | <0.5                    | <0.5     | <0.5     | <0.5     | 4.5      | 2.9      | 2.1      |        |        | 9.5           |
| SB4KK6-1.0              | 10b  | SB4                | KK6  | 9/27/2018   | 1                   | <2.7                    | <2.7     | <2.7     | <2.7     | <2.7     | <2.7     | 11       |        |        | 11            |

**Table 1**  
**Polychlorinated Biphenyls (PCBs) in Soil**  
**Remedial Action Plan**  
Riverside Scrap Iron & Metal Site  
Riverside, California

| Sample/<br>Boring<br>ID | Area | Sample<br>Location | 2018 Investigation<br>Step-Out Sample<br>Designation or<br>Information | Sample Date | depth<br>(feet bgs) | EPA Method 8082 (mg/kg) |          |          |          |          |          |          |        |        |               |
|-------------------------|------|--------------------|--|-------------|---------------------|-------------------------|----------|----------|----------|----------|----------|----------|--------|--------|---------------|
|                         |      |                    |  |             |                     | PCB-1016                | PCB-1221 | PCB-1232 | PCB-1242 | PCB-1248 | PCB-1254 | PCB-1260 |        |        | Total<br>PCBs |
| SB4KK7-0.5              | 10b  | SB4                | KK7  | 9/27/2018   | 0.5                 | <0.25                   | <0.25    | <0.25    | <0.25    | 1.6      | 0.81     | 0.69     |        |        | 3.1           |
| SB4KK7-1.0              | 10b  | SB4                | KK7  | 9/27/2018   | 1                   | <5.4                    | <5.4     | <5.4     | <5.4     | 19       | <5.4     | 87       |        |        | <b>110</b>    |
| SB4KK7-2.5              | 10b  | SB4                | KK7  | 9/27/2018   | 2.5                 | <0.056                  | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056 | <0.056 | All ND        |
| SB4KK8-0.5              | 10b  | SB4                | KK8  | 9/27/2018   | 0.5                 | <0.5                    | <0.5     | <0.5     | <0.5     | 2.2      | 1.1      | 0.84     |        |        | 4.1           |
| SB4KK8-1.0              | 10b  | SB4                | KK8  | 9/27/2018   | 1                   | <5.4                    | <5.4     | <5.4     | <5.4     | <5.4     | <5.4     | 76       |        |        | <b>76</b>     |
| SB4KK9-0.5              | 10b  | SB4                | KK9  | 9/27/2018   | 0.5                 | <0.26                   | <0.26    | <0.26    | <0.26    | 1.5      | 0.39     | <0.26    |        |        | 2.1           |
| SB4KK9-1.0              | 10b  | SB4                | KK9  | 9/27/2018   | 1                   | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | 0.88     |        |        | 0.88          |
| SB4KK11-0.5             | 10b  | SB4                | KK11   | 9/27/2018   | 0.5                 | <0.5                    | <0.5     | <0.5     | <0.5     | 30       | 7.7      | 4        | <0.5   | <0.5   | 41            |
| SB4KK11-1.0             | 10b  | SB4                | KK11   | 9/27/2018   | 1                   | <0.54                   | <0.54    | <0.54    | <0.54    | <0.54    | <0.54    | 76       | <0.54  | <0.54  | <b>76</b>     |
| SB4KK11-2.5             | 10b  | SB4                | KK11   | 9/27/2018   | 2.5                 | <0.057                  | <0.057   | <0.057   | <0.057   | <0.057   | <0.057   | <0.057   | <0.057 | <0.057 | All ND        |
| SB4KK12-0.5             | 10b  | SB4                | KK12   | 9/27/2018   | 0.5                 | <0.054                  | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054 | <0.054 | All ND        |
| SB4KK12-1.0             | 10b  | SB4                | KK12   | 9/27/2018   | 1                   | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055 | <0.055 | All ND        |
| SB4KK12-2.5             | 10b  | SB4                | KK12   | 9/27/2018   | 2.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055 | <0.055 | All ND        |
| SB4KK13-0.5             | 10b  | SB4                | KK13   | 9/27/2018   | 0.5                 | <0.05                   | <0.05    | <0.05    | <0.05    | 0.45     | 0.43     | 0.37     | <0.05  | <0.05  | 1.3           |
| SB4KK13-1.0             | 10b  | SB4                | KK13   | 9/27/2018   | 1                   | <2.8                    | <2.8     | <2.8     | <2.8     | 18       | <2.8     | 59       | <2.8   | <2.8   | <b>77</b>     |
| SB4KK13-2.5             | 10b  | SB4                | KK13   | 9/27/2018   | 2.5                 | <0.054                  | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054   | <0.054 | <0.054 | All ND        |
| SB4KK14-0.5             | 10b  | SB4                | KK14   | 9/27/2018   | 0.5                 | <0.05                   | <0.05    | <0.05    | <0.05    | 3.4      | 3        | 3.2      | <0.05  | <0.05  | 9.6           |
| SB4KK14-1.0             | 10b  | SB4                | KK14   | 9/27/2018   | 1                   | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | 13       | <0.055 | <0.055 | 13            |
| SB4KK14-2.5             | 10b  | SB4                | KK14   | 9/27/2018   | 2.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055 | <0.055 | All ND        |
| SB4KK17-0.5             | 10b  | SB4                | KK17   | 12/20/2018  | 0.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | 0.083    | 0.088    | 0.08     | <0.055 | <0.055 | 0.25          |
| SB4KK17-1               | 10b  | SB4                | KK17   | 12/20/2018  | 1                   | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | <0.055 | <0.055 | All ND        |
| SB4KK18-0.5             | 10b  | SB4                | KK18   | 12/20/2018  | 0.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | 12       | <0.055 | <0.055 | 12            |
| SB4KK18-1               | 10b  | SB4                | KK18   | 12/20/2018  | 1                   | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | 0.53     | <0.055 | <0.055 | 0.53          |
| SB4KK19-0.5             | 10b  | SB4                | KK19   | 12/20/2018  | 0.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | 1.9      | 2.8      | 2.9      | <0.055 | <0.055 | 7.6           |
| SB4KK19-1               | 10b  | SB4                | KK19   | 12/20/2018  | 1                   | <0.055                  | <0.055   | <0.055   | <0.055   | 110      | <0.055   | 7        | <0.055 | <0.055 | <b>120</b>    |
| SB4KK20-0.5             | 10b  | SB4                | KK20   | 12/20/2018  | 0.5                 | <0.055                  | <0.055   | <0.055   | <0.055   | <0.055   | <0.055   | 11       | <0.055 | <0.055 | 11            |
| SB4KK20-1               | 10b  | SB4                | KK20   | 12/20/2018  | 1                   | <0.055                  | <0.055   | <0.055   | <0.055   | 90       | <0.055   | 4.5      | <0.055 | <0.055 | <b>95</b>     |
| SB4KK19-2.5             | 10b  | SB4                | KK19   | 12/20/2018  | 2.5                 | <0.056                  | <0.056   | <0.056   | <0.056   | 0.12     | <0.056   | <0.056   | <0.056 | <0.056 | 0.12          |
| SB4KK19-5               | 10b  | SB4                | KK19   | 12/20/2018  | 5                   | <0.056                  | <0.056   | <0.056   | <0.056   | 0.26     | <0.056   | 0.12     | <0.056 | <0.056 | 0.38          |
| SB4KK20-2.5             | 10b  | SB4                | KK20   | 12/20/2018  | 2.5                 | <0.056                  | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056 | <0.056 | All ND        |
| SB4KK20-5               | 10b  | SB4                | KK20   | 12/20/2018  | 5                   | <0.056                  | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056 | <0.056 | All ND        |
| SB4KK24-0.5             | 10b  | SB4                | KK24   | 12/20/2018  | 0.5                 | <0.056                  | <0.056   | <0.056   | <0.056   | 33       | <0.056   | 1.8      | <0.056 | <0.056 | 35            |
| SB4KK24-1               | 10b  | SB4                | KK24   | 12/20/2018  | 1                   | <0.056                  | <0.056   | <0.056   | <0.056   | 30       | <0.056   | 1.7      | <0.056 | <0.056 | 32            |
| SB4KK24-2.5             | 10b  | SB4                | KK24   | 12/20/2018  | 2.5                 | <0.056                  | <0.056   | <0.056   | <0.056   | 0.32     | <0.056   | 0.058    | <0.056 | <0.056 | 0.37          |
| SB4KK24-5               | 10b  | SB4                | KK24   | 12/20/2018  | 5                   | <0.056                  | <0.056   | <0.056   | <0.056   | 0.07     | <0.056   | <0.056   | <0.056 | <0.056 | 0.07          |
| SB4KK25-0.5             | 10b  | SB4                | KK25   | 12/20/2018  | 0.5                 | <0.056                  | <0.056   | <0.056   | <0.056   | 0.83     | <0.056   | 3.4      | <0.056 | <0.056 | 4.3           |
| SB4KK25-1               | 10b  | SB4                | KK25   | 12/20/2018  | 1                   | <0.056                  | <0.056   | <0.056   | <0.056   | 7.5      | <0.056   | 0.28     | <0.056 | <0.056 | 7.8           |
| SB4KK25-2.5             | 10b  | SB4                | KK25   | 12/20/2018  | 2.5                 | <0.056                  | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056 | <0.056 | All ND        |
| SB4KK25-5               | 10b  | SB4                | KK25   | 12/20/2018  | 5                   | <0.056                  | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056 | <0.056 | All ND        |
| SB4KK26-0.5             | 10b  | SB4                | KK26   | 12/20/2018  | 0.5                 | <0.056                  | <0.056   | <0.056   | <0.056   | 0.91     | 3.1      | 2.5      | <0.056 | <0.056 | 6.5           |
| SB4KK26-1               | 10b  | SB4                | KK26   | 12/20/2018  | 1                   | <0.056                  | <0.056   | <0.056   | <0.056   | 87       | <0.056   | 6.4      | <0.056 | <0.056 | <b>93</b>     |
| SB4KK26-2.5             | 10b  | SB4                | KK26   | 12/20/2018  | 2.5                 | <0.056                  | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056 | <0.056 | All ND        |
| SB4KK26-5               | 10b  | SB4                | KK26   | 12/20/2018  | 5                   | <0.056                  | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056   | <0.056 | <0.056 | All ND        |

**Table 1**  
**Polychlorinated Biphenyls (PCBs) in Soil**  
**Remedial Action Plan**  
Riverside Scrap Iron & Metal Site  
Riverside, California

| Sample/<br>Boring<br>ID | Area | Sample<br>Location | 2018 Investigation<br>Step-Out Sample<br>Designation or<br>Information | Sample Date | depth<br>(feet bgs) | EPA Method 8082 (mg/kg) |          |          |          |          |          |          |       |  |               |
|-------------------------|------|--------------------|--|-------------|---------------------|-------------------------|----------|----------|----------|----------|----------|----------|-------|--|---------------|
|                         |      |                    |  |             |                     | PCB-1016                | PCB-1221 | PCB-1232 | PCB-1242 | PCB-1248 | PCB-1254 | PCB-1260 |       |  | Total<br>PCBs |
| <b>Area 12</b>          |      |                    |  |             |                     |                         |          |          |          |          |          |          |       |  |               |
| A12-SB1                 | 12   | SB1                | NA   | 1/31/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | 23       |       |  | 23            |
| A12-SB2                 | 12   | SB2                | NA   | 1/31/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    | <0.05 |  | All ND        |
| A12-SB3                 | 12   | SB3                | NA   | 1/31/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | 0.123    | <0.05    | <0.05    |       |  | 0.123         |
| A12-SB4                 | 12   | SB4                | NA   | 1/31/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | 0.205    | 0.12     | <0.05    |       |  | 0.325         |
| A12-SB5                 | 12   | SB5                | NA   | 1/31/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | 6.2      |       |  | 6.2           |
| S10                     | 12   | S10                | NA   | 8/11/2015   | 0.25                | <0.02UJ                 | <0.02UJ  | <0.02UJ  | 1.4J     | <0.02UJ  | 4.3J     | 3.50J    |       |  | 9.2           |
| S10                     | 12   | S10                | NA   | 8/11/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |       |  | All ND        |
| S7                      | 12   | S7                 | NA   | 8/11/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |       |  | All ND        |
| NS16                    | 12   | NS16               | NA   | 8/13/2015   | 2.5                 | <0.02                   | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    | <0.02    |       |  | All ND        |
| <b>Area 13</b>          |      |                    |  |             |                     |                         |          |          |          |          |          |          |       |  |               |
| A13-SB1                 | 13   | SB1                | NA   | 1/31/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | 0.425    | <0.05    |       |  | 0.425         |
| A13-SB2                 | 13   | SB2                | NA   | 1/31/2011   | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    |       |  | ALL ND        |
| A13-SB3                 | 13   | SB3                | NA   | 2/3/2011    | 1                   | <0.05                   | <0.1     | <0.05    | <0.05    | <0.05    | <0.05    | <0.05    |       |  | ALL ND        |

**Notes and Data Qualifiers**

USEPA Region IX Regional Screening Levels (RSLs), June 2015, screening levels for industrial soil and residential soil.

J = The analyte was detected at a concentration above the method detection limit, but below the reporting limit and is an approximate concentration of the analyte in the sample.

UJ = The analyte was not detected above the laboratory reporting limit but the reporting limit is approximate due either to the quality of the data generated

because certain quality control criteria were not met or the sample was analyzed outside the holding time for extraction.

J-flagged results are included in the calculation of "Total PCBs"

The following PCB Arochlors were not detected in any sample above laboratory reporting limits: PCB-1016, PCB-1232, PCB-1262, and PCB-1268.

Note that some Aroclor's with higher concentrations required dilution to report within calibration range, which resulted in elevated laboratory reporting limits. During excavation confirmation sampling activities, chain-of-custody instructions will note to report each Arochlors at the lowest dilution possible that either has a reportable result or ND at the applicable reporting limit.

**Abbreviations**

bgs = Below ground surface

NA = Not applicable to 2018 investigation

< = Not detected at the reporting limit shown

PCBs = Polychlorinated biphenyls

RSL = Regional soil screening level

USEPA = United States Environmental Protection Agency

mg/kg = milligrams per kilogram

## APPENDIX G.

### 2023 Soil Vapor Investigation Reports



# SOIL VAPOR INVESTIGATION REPORT

**FORMER RIVERSIDE SCRAP IRON & METAL PROPERTY**  
2993 6<sup>th</sup> Street  
Riverside, California 92507  
*Department of Toxic Substances Control Docket No HAS-FY21/22-032*

**Issued:** January 17, 2023

**Prepared for:** **IRON LOFTS LLC**  
1201 Dove Street, Suite 520  
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# SOIL VAPOR INVESTIGATION REPORT

## FORMER RIVERSIDE SCRAP IRON & METAL PROPERTY

2993 6th Street

Riverside, California 92507

Department of Toxic Substances Control Docket No HAS-FY21/22-032

This Soil Vapor Investigation Report was prepared by the staff of GSI Environmental Inc., under the supervision of the Engineer(s) and/or Geologist(s) whose signatures appear hereon.

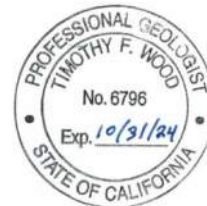
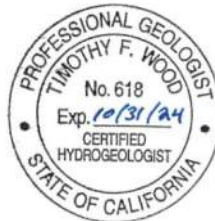
The findings, recommendations, specifications, or professional opinions were prepared in accordance with generally accepted professional engineering and/or geologic practice. No warranty is expressed or implied.

**Issued:** January 17, 2023



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**SOIL VAPOR INVESTIGATION REPORT**  
**Former Riverside Scrap Iron & Metal Property**  
2993 6th Street  
Riverside, California 92507

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Appendix B. Boring Logs

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**SOIL VAPOR INVESTIGATION REPORT**  
**Former Riverside Scrap Iron & Metal Property**  
2993 6th Street  
Riverside, California 92507

## 1.0 INTRODUCTION

On behalf of Iron Lofts LLC (Iron Lofts), GSI Environmental Inc. (GSI) has prepared this Soil Vapor Investigation Report (SVI Report) for the former Riverside Scrap Iron & Metal (RSIM) property located at 2993 6<sup>th</sup> Street in Riverside, California (the Site; Figures 1 and 2).

The Site has a 45-year history of use as a scrap metal recycling facility and is located in a mixed-use area that is adjoined by residential and commercial properties. Redevelopment plans for the Site are to construct a multi-family, multi-story residential building development, similar to the recently constructed residential development located adjacent, across Mission Inn Avenue, to the south of the Site.

In 2015, AMEC Foster Wheeler conducted a soil vapor investigation at the Site, and results identified VOCs in soil vapor at concentrations above residential screening levels (GSI, 2022). The objective of the work summarized in this SVI Report is to further evaluate PCE and TCE in soil vapor and provide the additional assessment data required to support the planned multifamily redevelopment planning, design, and regulatory oversight, and for the evaluation of unrestricted Site use.

## 2.0 SITE DESCRIPTION

The Site is approximately 7 acres in size and is identified as “light industrial” by the Riverside County Assessor’s Office. Surrounding properties are mixed commercial and residential. The Site is located within the former Marketplace Brownfields Study Area in the City of Riverside, bound by Commerce Street to the northwest, Mission Inn Avenue and 7th Street to the southwest, and 4th Street to the northeast. The Site is being planned for redevelopment for multi-family residential use, similar to surrounding recent redevelopment projects. The current layout of the Site is shown on Figure 2. Two existing historic buildings (“Buildings of Merit”) with crawl spaces remain at the Site (approximately 1,200 and 5,000 square feet) and will be repurposed for use as amenity space (i.e., gymnasium, club room, co-working space).

### 2.1 Current and Historical Uses

The Site was used as a scrap metal recycling yard for over 45 years and formerly maintained underground and aboveground storage tanks on the western portion of the Site that were used to store and dispense fuel and oil. The scrap metal and recycling business ceased operations in 2015. By August 2015, the Site had been cleared of utilities and most mixed trash, debris and scrap metal, and currently consists mostly of unpaved bare earth and paved surfaces with some remaining debris. Surrounding land uses to the north and west are primarily commercial. Residential housing is located along the eastern border of the Site and across Mission Inn Avenue to the south.

### 2.2 Site Geology and Hydrogeology

The Site is located in the Riverside-Arlington Subbasin of the Upper Santa Ana River Groundwater Basin and within the Peninsular Ranges Geomorphic Province of California. The subbasin is bounded by the impermeable rocks on the south by Arlington Mountain, on the southeast by the Box Springs Mountains, on the northwest by the La Sierra Heights and Mount Rubidoux, and on the north by the Jurupa Mountains. The northeast boundary is defined as the

Rialto-Colton fault and a portion of the groundwater divide beneath the city of Bloomington and the Santa Ana River flows over the northern portion of the subbasin (Department of Water Resources [DWR], 2004).

Groundwater in the subbasin is dominantly found in young Quaternary-aged alluvial deposits from the lateral migration of the Santa Ana River over time and consist chiefly of sand, gravel, silt, and clay. The geology in the surrounding mountains and basement rock consists of Quaternary alluvium, Pleistocene nonmarine, and Mesozoic granitic rocks (California Division of Mines and Geology [CDMG], 1965). Based on the drilling logs provided in AMEC's 2015 Soil and Soil Vapor Investigation, soils beneath the Site consist primarily of silty sand and sandy silt with occasional thin layers of clay from near surface to 20 feet bgs, the maximum depth of exploration (AMEC, 2015).

In December 2009, the depth to groundwater ranged from 114 to 125 feet bgs with a southwestern groundwater gradient direction at the former Ken's Arco property, located approximately 650 feet southeast of the Site at 2871 University Avenue (as reported by Pacific Edge Engineering, Inc. and referenced in AMEC's 2015 Soil and Soil Vapor Investigation). Based on the general drought conditions since this measurement was taken, currently groundwater levels would be expected to be deeper than reported in December 2009.

### **3.0 SCOPE OF WORK**

Soil vapor sample locations were selected to provide Site coverage and target historical Site features and are presented in Figure 2. Soil vapor probe installation and sampling was performed in accordance with the Cal-EPA July 2015 *Advisory for Active Soil Gas Investigations* (Advisory).

Soil vapor probes were installed at 21 locations on November 3, 4, and 7, 2022, and 47 soil vapor samples were collected on November 16, 2022 from the following depths:

- 5 feet: VP-1 through VP-21 (21 locations)
- 13 to 15 feet: VP-1 through VP-14 and VP-16 through VP-21 (20 locations)
- 22 to 30 feet: VP-1, VP-9, VP-12, VP-14, VP-19, and VP-20 (6 locations)

Soil samples were not collected during drilling. At each soil vapor sample location, the recovered soil core was screened for organic vapors using a photoionization detector (PID). No elevated PID readings or stained soil was observed.

### **3.1 Pre-field Activities**

Prior to the sampling activities, the Site-Specific Health and Safety Plan (HASP) was updated in accordance with the requirements of the State of California General Industry Safety Order 5192 and Title 29 of the Code of Federal Regulations, Section 1910.120. The HASP was kept on-Site during field activities. Proposed investigation locations were marked by GSI, and Underground Services Alert (USA) was contacted a minimum of two full working days prior to initiating the field activities. In addition, GSI retained a private geophysical subcontractor to perform utility locating services to assess for the presence of underground utilities and other potential subsurface obstructions in the vicinity of the proposed investigation locations.

### 3.2 Soil Vapor Probe Installation

Soil vapor probes were installed at 21 locations identified on Figure 2. The probe locations included the following:

- 1 single probe set at 5 feet bgs;
- 14 dual nested probes (probes at 5 and 15 feet bgs); and
- 6 triple nested probes (probes at 5, 15, and approximately 30 feet).

Each soil vapor probe location was manually cleared to approximately 1-foot bgs using a hand auger. Direct push equipment was utilized to initially penetrate through any surface concrete and the boring was advanced from approximately 1-foot bgs to the final borehole depths.

During probe installation, the proposed 15-foot bgs soil vapor probe installation at VP-6 was adjusted to 13 feet bgs, and the 30-foot bgs soil vapor probe at VP-14 was adjusted to 22 feet bgs, due to refusal during drilling operations. Only one soil vapor probe was installed to 5 feet bgs at VP-15 due to refusal while attempting to reach the target depth of 15.5 feet bgs. The soil vapor probe proposed as VP-22 was not completed due to borehole collapse in soft fill material.

Soil vapor probes were constructed using nominal ¼-inch diameter Nylaflow tubing connected to a porous polyethylene soil vapor sample probe, set within approximately 1 foot of #3 sand placed around the sample probe. A dry bentonite seal of at least 6 inches followed by a cement and bentonite grout seal was placed on top of the sand pack to the ground surface or to the next soil vapor probe interval. The tubing was capped with a vapor-tight two-way valve or cap at the surface to eliminate the potential for barometric pressure fluctuations inducing vapor transport between the subsurface and the atmosphere. The two-way valve or cap was installed in the closed position and allowed equilibration of soil vapor concentrations after installation.

All probe locations were completed as semi-permanent, with probes protected with a plastic bag and covered with a bentonite patch and sand, with a labeled survey flag. The tubing was labeled and color coded at the surface<sup>1</sup> to identify the probe location and depth. In addition, the length of the tubing at the surface corresponds to the relative depth of the probe, with the shortest surface tubing corresponding with the shallowest probe, and the longest surface tubing corresponding with the deepest probe.

### 3.3 Soil Vapor Sampling and Analysis

Soil vapor samples were collected after an equilibration time of more than 48 hours following installation. Prior to the commencement of sampling, shut-in tests were conducted on the soil vapor probes. The probe heads were attached to the sampling train assembly of tubing, valves, and fittings and connected to a purge pump. A minimum vacuum of 100 inches of water column (W.C.) was applied to the sealed sampling train and monitored for at least 1 minute. After a successful shut-in test was completed, the soil vapor probe and sampling train was purged. A total of 3 purge volumes were removed from soil vapor probes prior to sampling. Each soil vapor probe was purged at a rate of 200 milliliters per minute (mL/min) and at a vacuum less than of 100 inches W.C. One purge volume is equal to the internal sample tubing volume and volume of stagnant air within the sand pack and dry bentonite layers (assuming 40 percent porosity). During

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<sup>1</sup> See associated boring logs for color codes.

purging and sampling, 1,1-difluoroethane (DFA) was applied as a leak-check tracer gas to check for ambient air leaks near the above-ground probe tubing and sampling train.

Following the completion of purging, soil vapor samples were collected into Summa canisters through flow controllers at a rate of approximately 200 mL/min. Duplicate soil vapor samples were collected at a frequency of one per day. In addition, one field quality assurance/quality control sample consisting of an ambient-air blank was collected by drawing ambient air into a Summa canister through an attached sampling train.

Soil vapor samples were analyzed for VOCs using United States Environmental Protection Agency (USEPA) Method TO-15.

### **3.4 Equipment Decontamination**

Downhole drilling and sampling equipment was washed with a potable water-detergent solution and rinsed twice with potable water before each use.

### **3.5 Investigation Derived Wastes**

Soil cuttings were left onsite near the boring locations pending Site excavation activities. Minimal decontamination water was produced during the drilling activities and left onsite pending waste characterization for disposal.

## **4.0 SOIL VAPOR SAMPLE RESULTS**

This section presents the results of soil vapor sampling and analysis, including a presentation of the analytical results, and a comparison of analytical results to risk-based screening criteria. Analytical results for soil vapor samples are presented in Table 1. The analytical laboratory reports for soil vapor samples are presented in Appendix A.

### **4.1 Soil Lithology**

Soil vapor probes were installed at 21 locations in a generally gridded pattern throughout the vacant Site, and recovered soil was observed and described in accordance with the Unified Soil Classification System (USCS). Soil encountered generally consisted of silt with silty sand and/or poorly to well graded sand with silt intervals at greater depths. Soil boring logs are included as Appendix B.

### **4.2 Data Quality Summary**

Analytical results for soil vapor sampling were reviewed to determine the data usability. Each laboratory data package was reviewed consistent with guidance provided by the USEPA. A sample evaluation was completed for primary and duplicate soil vapor samples and is presented in Appendix C. The following quality assurance/quality control (QA/QC) criteria from the analysis of the project samples were reviewed as applicable: sample preservation and holding time compliance, reporting limits and sample dilution, blank sample analysis, surrogate recovery compliance, laboratory control samples, field duplicate samples and use of laboratory data qualifiers. No data qualifiers were applied based on the results of the data validation review.

Field quality control measures included leak testing with DFA and the collection of a split-t duplicate pair of soil vapor samples. The leak test compound DFA was evaluated by comparison to an action level of 10,000  $\mu\text{g}/\text{m}^3$ , which is equivalent to 3.7 parts per million by volume (ppmv). DFA was not detected in any soil vapor samples at a concentration exceeding this action level. DFA was detected in the soil vapor sample VP-8-5 at 5 feet bgs at a maximum concentration of

520  $\mu\text{g}/\text{m}^3$ , which is equivalent to 0.19 ppmv. This low concentration of DFA does not represent an ambient air leak that could affect the soil vapor results.

### 4.3 Soil Vapor Results

Soil vapor samples were collected at 21 locations from soil vapor probes with inlets installed at depths between 5 and 30 feet bgs in November 2022 (Figure 2).

Analytical results for soil vapor samples are evaluated by comparison to risk-based screening levels for residential and commercial/industrial Site use. Screening levels (SLs) for soil vapor are developed by applying an attenuation factor to screening levels for indoor air:

$$\text{Soil Vapor Screening Level (SL}_{sv}) = \frac{\text{SL}_{ia}}{\text{AF}}$$

Where:

|                  |   |   |
|------------------|---|---|
| SL <sub>sv</sub> | = | Soil vapor screening level ( $\mu\text{g}/\text{m}^3$ ) |
| SL <sub>ia</sub> | = | Indoor air screening level ( $\mu\text{g}/\text{m}^3$ ) |
| AF               | = | Attenuation factor (unitless)                           |

For this evaluation, Regional Screening Levels (RSLs) for residential air published by USEPA (2022) and endorsed or modified by the DTSC (2022) were selected as the indoor air SLs. Soil vapor SLs were calculated using the default attenuation factors published by DTSC for residential use (0.001 for future residential buildings; DTSC, 2011 and 2022); these soil vapor SLs are referred to in this report as the “DTSC AF SLs.” In addition, soil vapor data also are presented in Table 1 with soil vapor SLs calculated using the USEPA default attenuation factor (0.03 for all buildings; USEPA, 2015); these soil vapor SLs are referred to in this report as the “USEPA AF SLs.” Soil vapor data are evaluated by comparison to the DTSC AF SLs and USEPA AF SLs.

As shown in Table 1, 17 VOCs were detected in at least one soil vapor sample. PCE, TCE, chloroform, 1,2-dichloroethane (1,2-DCA), and benzene were the only VOCs detected in at least one soil vapor sample at a concentration exceeding its residential DTSC AF SL, and the results for these VOCs are summarized below:

- PCE was detected in all soil vapor samples collected at concentrations ranging from 8 to 840  $\mu\text{g}/\text{m}^3$ . The highest PCE concentrations in soil vapor were observed in the soil vapor samples collected at 30 feet bgs at the southwestern and northeastern property boundary of the southern parcel (720  $\mu\text{g}/\text{m}^3$  at VP-1-30, 670  $\mu\text{g}/\text{m}^3$  at VP-9-30, and 840  $\mu\text{g}/\text{m}^3$  at VP-19-30) and southeastern property boundary of the central parcel (710  $\mu\text{g}/\text{m}^3$  at VP-20-30 and 750  $\mu\text{g}/\text{m}^3$  at VP-20-30 Rep). The highest concentrations of PCE identified in soil vapor samples (up to 840  $\mu\text{g}/\text{m}^3$ ) slightly exceed the residential DTSC AF SL of 460  $\mu\text{g}/\text{m}^3$ .
- TCE was detected in 43 of 49 total soil vapor samples at concentrations ranging from 6.4 to 1,700  $\mu\text{g}/\text{m}^3$ . The highest TCE concentrations in soil vapor were also observed at the same soil vapor samples with the highest PCE concentrations. Specifically, TCE was detected at the highest concentrations in the soil vapor sample collected at 30 feet bgs at the southwestern and northeastern property boundary of the southern parcel (1,700  $\mu\text{g}/\text{m}^3$  at VP-1-30, 1,700  $\mu\text{g}/\text{m}^3$  at VP-9-30, and 1,500  $\mu\text{g}/\text{m}^3$  at VP-19-30) and southeastern property boundary of the central parcel (1,600  $\mu\text{g}/\text{m}^3$  at VP-20-30 and 1,700  $\mu\text{g}/\text{m}^3$  at VP-20-30 Rep). The highest concentrations of TCE identified in soil vapor samples (up to 1,700  $\mu\text{g}/\text{m}^3$ ) exceed the residential DTSC AF SL of 480  $\mu\text{g}/\text{m}^3$ .

- Chloroform was detected in sixteen soil vapor samples at concentrations ranging from 5.9 to 34  $\mu\text{g}/\text{m}^3$ , all of which exceed the residential USEPA AF SL for chloroform of 4.0  $\mu\text{g}/\text{m}^3$  but do not exceed the residential DTSC AF SL of 120  $\mu\text{g}/\text{m}^3$ .
- 1,2-DCA was detected in only one soil vapor sample (VP-15-5) at a concentration of 17  $\mu\text{g}/\text{m}^3$ , which exceeds the residential USEPA AF SL for 1,2-DCA of 3.7  $\mu\text{g}/\text{m}^3$  but does not exceed the residential DTSC AF SL of 120  $\mu\text{g}/\text{m}^3$ .
- Benzene was detected in thirteen soil vapor samples at concentrations ranging from 3.4 to 39  $\mu\text{g}/\text{m}^3$ , all of which exceed the residential USEPA AF SL for benzene of 3.2  $\mu\text{g}/\text{m}^3$  but do not exceed the residential DTSC AF SL of 97  $\mu\text{g}/\text{m}^3$ .

## 5.0 SUMMARY AND CONCLUSIONS

Soil vapor sampling was completed at locations throughout the Site in November 2022. Specifically, 47 primary soil vapor samples (and 2 duplicate soil vapor samples) were collected from 21 locations installed at depths ranging between 5 and 30 feet bgs. The key findings of the soil vapor survey are summarized below:

- PCE and TCE were the primary VOCs detected in soil vapor samples. PCE was detected in every soil vapor sample, but at relatively low concentrations (up to 840  $\mu\text{g}/\text{m}^3$ ). TCE was detected less frequently (43 of 49 total samples), but at slightly higher concentrations (up to 1700  $\mu\text{g}/\text{m}^3$ ).
- PCE and TCE concentrations in soil vapor are consistent with an off-site source.
  - Concentrations increased with depth at all soil vapor sample locations (i.e., higher concentrations were detected in deeper soil vapor samples) with the exception of two locations (VP-4 and VP-5).
  - The highest PCE and TCE concentrations in soil vapor were observed from soil vapor samples collected at 30 feet bgs at the southwestern and northeastern property boundary of the southern parcel and southeastern property boundary of the central parcel.
  - A source of PCE or TCE to soil vapor was not identified on the Site and the low concentrations of PCE and TCE detected in soil vapor samples and increasing concentrations with depth are not indicative of an on-Site release. It is possible that the low concentrations are attributed to minor releases associated with historical on-Site operations and/or an off-Site release that is migrating in deeper soil vapor or groundwater to the Site.
- To mitigate potential for PCE and TCE detected in soil vapor to migrate to indoor air, vapor intrusion mitigation systems are recommended for future on-Site buildings. As part of the repurposing of the two existing historic buildings for amenity space, existing crawl spaces will be vented passively, and the structures will be improved and built out, including installation of modern HVAC systems. Following completion of building improvements, indoor air samples will be collected to confirm the effectiveness of the vapor mitigation measures.

## 6.0 REFERENCES

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**TABLE**

Table 1. Analytical Results for Volatile Organic Compounds in Soil Vapor Samples

**TABLE 1: Volatile Organic Compounds (VOCs) in Soil Vapor <sup>1</sup>**  
Former Riverside Scrap Iron & Metal Property  
Riverside, California

| Sample Location | Sample ID    | Probe Depth (feet bgs) | Date Sampled | Units             | Tetrachloroethene (PCE) | Trichloroethene (TCE) | Chloroform | 1,1-Dichloroethene (1,1-DCE) | 1,2-Dichloroethene (1,2-DCA) | Benzene | Ethylbenzene | Toluene | Xylene | 1,1,1-Trichloroethane | 1,1,2-Trichlorotrifluoroethane (F113) | 1,2,4-Trimethylbenzene | 2-Butanone (MEK) | Carbon disulfide | Dichlorodifluoromethane (F12) | Methylene chloride (Dichloromethane) | Trichlorofluoromethane (F11) | 1,1-difluoroethane (DFA) (leak check compound) |
|-----------------|--------------|------------------------|--------------|-------------------|-------------------------|-----------------------|------------|------------------------------|------------------------------|---------|--------------|---------|--------|-----------------------|---------------------------------------|------------------------|------------------|------------------|-------------------------------|--------------------------------------|------------------------------|--|
| VP-1            | VP-1-5       | 5                      | 11/16/2022   | µg/m <sup>3</sup> | 150                     | 97                    | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | 94                                    | <5                     | <30              | <6.3             | <5                            | <3.5                                 | 22                           | <5.5   |
|                 | VP-1-15      | 15                     | 11/16/2022   | µg/m <sup>3</sup> | 390                     | <b>680</b>            | 12         | 49                           | <4.1                         | 25      | <4.4         | 6.3     | <8.8   | <5.5                  | 290                                   | <5                     | 69               | 69               | <5                            | <3.5                                 | 66                           | <5.5   |
|                 | VP-1-30      | 30                     | 11/16/2022   | µg/m <sup>3</sup> | <b>720</b>              | <b>1700</b>           | 20         | 120                          | <4.1                         | 8.7     | <4.4         | 4.4     | <8.8   | <5.5                  | 370                                   | <5                     | 54               | 20               | 8.5                           | <3.5                                 | 85                           | <5.5   |
| VP-2            | VP-2-5       | 5                      | 11/16/2022   | µg/m <sup>3</sup> | 110                     | 48                    | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | 72                                    | <5                     | <30              | 7.5              | <5                            | <3.5                                 | 23                           | <5.5   |
|                 | VP-2-15      | 15                     | 11/16/2022   | µg/m <sup>3</sup> | 450                     | <b>510</b>            | 33         | 17                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | 210                                   | <5                     | <30              | 7.4              | 8.2                           | <3.5                                 | 56                           | <5.5   |
| VP-3            | VP-3-5       | 5                      | 11/16/2022   | µg/m <sup>3</sup> | 12                      | 28                    | 11         | <4                           | <4.1                         | 6.7     | <4.4         | 14      | <8.8   | <5.5                  | 8.3                                   | <5                     | <30              | 19               | <5                            | 9.1                                  | 5.9                          | 14   |
|                 | VP-3-15      | 15                     | 11/16/2022   | µg/m <sup>3</sup> | 240                     | 250                   | 23         | <4                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | 140                                   | <5                     | <30              | <6.3             | 7.9                           | <3.5                                 | 66                           | <5.5   |
| VP-4            | VP-4-5       | 5                      | 11/17/2022   | µg/m <sup>3</sup> | 35                      | 19                    | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | 11      | <8.8   | <5.5                  | 15                                    | <5                     | <30              | 67               | <5                            | <3.5                                 | 64                           | <5.5   |
|                 | VP-4-15      | 15                     | 11/17/2022   | µg/m <sup>3</sup> | 180                     | 13                    | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | 26                                    | <5                     | <30              | <6.3             | <5                            | <3.5                                 | 99                           | <5.5   |
| VP-5            | VP-5-5       | 5                      | 11/17/2022   | µg/m <sup>3</sup> | 12                      | 180                   | 17         | <4                           | <4.1                         | 6.3     | <4.4         | 23      | 4.9    | <5.5                  | <7.7                                  | <5                     | <30              | 71               | <5                            | 26                                   | 60                           | <5.5   |
|                 | VP-5-15      | 15                     | 11/17/2022   | µg/m <sup>3</sup> | 110                     | 11                    | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | 20                                    | <5                     | <30              | <6.3             | 6.7                           | <3.5                                 | 220                          | <5.5   |
| VP-6            | VP-6-5       | 5                      | 11/17/2022   | µg/m <sup>3</sup> | 39                      | <5.5                  | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | 35                                    | <5                     | <30              | <6.3             | 7.8                           | <3.5                                 | 91                           | <5.5   |
|                 | VP-6-13      | 13                     | 11/17/2022   | µg/m <sup>3</sup> | 140                     | 32                    | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | 39                                    | <5                     | <30              | 73               | 7.2                           | <3.5                                 | 100                          | <5.5   |
| VP-7            | VP-7-5       | 5                      | 11/17/2022   | µg/m <sup>3</sup> | 47                      | 14                    | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | <7.7                                  | <5                     | <30              | <6.3             | <5                            | <3.5                                 | 53                           | <5.5   |
|                 | VP-7-15      | 15                     | 11/17/2022   | µg/m <sup>3</sup> | 210                     | 40                    | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | 26                                    | <5                     | <30              | <6.3             | 6.1                           | <3.5                                 | 180                          | <5.5   |
| VP-8            | VP-8-5       | 5                      | 11/17/2022   | µg/m <sup>3</sup> | 30                      | <5.5                  | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | <7.7                                  | <5                     | <30              | <6.3             | <5                            | <3.5                                 | 14                           | 520  |
|                 | VP-8-15      | 15                     | 11/17/2022   | µg/m <sup>3</sup> | 140                     | 190                   | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | 50                                    | <5                     | <30              | 52               | 6.8                           | 5.3                                  | 85                           | <5.5   |
| VP-9            | VP-9-5       | 5                      | 11/16/2022   | µg/m <sup>3</sup> | 71                      | 17                    | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | 51                                    | <5                     | <30              | 15               | <5                            | <3.5                                 | 13                           | <5.5   |
|                 | VP-9-15      | 15                     | 11/16/2022   | µg/m <sup>3</sup> | 250                     | 380                   | 6.4        | 6.5                          | <4.1                         | 6.2     | <4.4         | 4.7     | <8.8   | <5.5                  | 230                                   | <5                     | 40               | 29               | 6.8                           | <3.5                                 | 53                           | <5.5   |
|                 | VP-9-30      | 30                     | 11/16/2022   | µg/m <sup>3</sup> | <b>670</b>              | <b>1700</b>           | 20         | 110                          | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | 370                                   | <5                     | 62               | 12               | 8.4                           | <3.5                                 | 86                           | <5.5   |
| VP-10           | VP-10-5      | 5                      | 11/16/2022   | µg/m <sup>3</sup> | 80                      | 70                    | <4.9       | <4                           | <4.1                         | 3.5     | <4.4         | <3.8    | <8.8   | <5.5                  | 37                                    | <5                     | <30              | 8                | <5                            | <3.5                                 | 23                           | <5.5   |
|                 | VP-10-15     | 15                     | 11/16/2022   | µg/m <sup>3</sup> | 270                     | 430                   | <4.9       | 17                           | <4.1                         | <3.2    | <4.4         | 4.3     | <8.8   | <5.5                  | 99                                    | <5                     | <30              | 13               | 6.3                           | <3.5                                 | 51                           | <5.5   |
| VP-11           | VP-11-5      | 5                      | 11/16/2022   | µg/m <sup>3</sup> | 89                      | 29                    | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | 95                                    | <5                     | <30              | <6.3             | 5.3                           | <3.5                                 | 34                           | <5.5   |
|                 | VP-11-15     | 15                     | 11/16/2022   | µg/m <sup>3</sup> | <b>460</b>              | <b>770</b>            | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | 240                                   | <5                     | <30              | <6.3             | 7.9                           | <3.5                                 | 90                           | <5.5   |
| VP-12           | VP-12-5      | 5                      | 11/17/2022   | µg/m <sup>3</sup> | 94                      | <5.5                  | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | 27                                    | <5                     | <30              | <6.3             | <5                            | <3.5                                 | 68                           | <5.5   |
|                 | VP-12-15     | 15                     | 11/17/2022   | µg/m <sup>3</sup> | 210                     | 73                    | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | 50                                    | <5                     | <30              | 13               | 8.7                           | <3.5                                 | 100                          | <5.5   |
|                 | VP-12-30     | 30                     | 11/17/2022   | µg/m <sup>3</sup> | 330                     | 310                   | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | 79                                    | <5                     | 32               | <6.3             | 10                            | <3.5                                 | 230                          | <5.5   |
| VP-13           | VP-13-5      | 5                      | 11/17/2022   | µg/m <sup>3</sup> | 40                      | 20                    | <4.9       | <4                           | <4.1                         | 3.4     | <4.4         | 6.9     | <8.8   | <5.5                  | 14                                    | <5                     | <30              | 32               | <5                            | 3.6                                  | 180                          | <5.5   |
|                 | VP-13-15     | 15                     | 11/17/2022   | µg/m <sup>3</sup> | 120                     | 36                    | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | 22                                    | <5                     | <30              | <6.3             | 8.2                           | <3.5                                 | 410                          | <5.5   |
| VP-14           | VP-14-5      | 5                      | 11/17/2022   | µg/m <sup>3</sup> | 160                     | 94                    | 5.9        | <4                           | <4.1                         | 15      | 6.3          | 77      | 20.1   | <5.5                  | 21                                    | 7.9                    | <30              | 120              | 8.4                           | 6.2                                  | 200                          | <5.5   |
|                 | VP-14-15     | 15                     | 11/17/2022   | µg/m <sup>3</sup> | <b>460</b>              | 120                   | <4.9       | <4                           | <4.1                         | 6.5     | <4.4         | 27      | 23.4   | <5.5                  | 23                                    | 7.6                    | <30              | <6.3             | 8.9                           | 3.6                                  | 200                          | <5.5   |
|                 | VP-14-22     | 22                     | 11/17/2022   | µg/m <sup>3</sup> | <b>570</b>              | 360                   | 8.5        | <4                           | <4.1                         | 3.8     | <4.4         | 8.7     | <8.8   | <5.5                  | 51                                    | <5                     | <30              | 16               | 13                            | <3.5                                 | 350                          | <5.5   |
| VP-15           | VP-15-5      | 5                      | 11/17/2022   | µg/m <sup>3</sup> | 14                      | <5.5                  | 6.9        | <4                           | 17                           | <3.2    | <4.4         | <3.8    | <8.8   | 9.4                   | 10                                    | <5                     | <30              | 13               | <5                            | <3.5                                 | 460                          | <5.5   |
| VP-16           | VP-16-5      | 5                      | 11/17/2022   | µg/m <sup>3</sup> | 97                      | 6.4                   | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | 16                                    | <5                     | <30              | <6.3             | <5                            | <3.5                                 | 23                           | <5.5   |
|                 | VP-16-15     | 15                     | 11/17/2022   | µg/m <sup>3</sup> | 360                     | 190                   | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | 44                                    | <5                     | <30              | <6.3             | <5                            | <3.5                                 | 50                           | <5.5   |
| VP-17           | VP-17-5      | 5                      | 11/16/2022   | µg/m <sup>3</sup> | 76                      | 55                    | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | 6.5     | <8.8   | <5.5                  | 23                                    | <5                     | <30              | 9.3              | <5                            | <3.5                                 | 11                           | <5.5   |
|                 | VP-17-15     | 15                     | 11/16/2022   | µg/m <sup>3</sup> | 180                     | 290                   | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | 6.6     | <8.8   | <5.5                  | 49                                    | <5                     | 39               | 11               | <5                            | <3.5                                 | 19                           | <5.5   |
|                 | VP-17-15 Rep | 15                     | 11/16/2022   | µg/m <sup>3</sup> | 180                     | 300                   | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | 6.7     | <8.8   | <5.5                  | 51                                    | <5                     | 74               | 12               | <5                            | <3.5                                 | 19                           | <5.5   |
| VP-18           | VP-18-5      | 5                      | 11/16/2022   | µg/m <sup>3</sup> | 49                      | 7.6                   | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | 4.1     | <8.8   | <5.5                  | 14                                    | <5                     | <30              | <6.3             | <5                            | <3.5                                 | 41                           | <5.5   |
|                 | VP-18-15     | 15                     | 11/16/2022   | µg/m <sup>3</sup> | 200                     | 110                   | <4.9       | <4                           | <4.1                         | <3.2    | <4.4         | 6.6     | <8.8   | <5.5                  | 43                                    | <5                     | 100              | 16               | <5                            | <3.5                                 | 79                           | <5.5   |
| VP-19           | VP-19-5      | 5                      | 11/17/2022   | µg/m <sup>3</sup> | 91                      | 41                    | <4.9       | <4                           | <4.1                         | 8.1     | <4.4         | 6.5     | <8.8   | <5.5                  | 32                                    | <5                     | <30              | 44               | <5                            | <3.5                                 | 11                           | <5.5   |
|                 | VP-19-15     | 15                     | 11/17/2022   | µg/m <sup>3</sup> | 420                     | 380                   | <4.9       | <4                           | <4.1                         | 4.9     | <4.4         | 10      | <8.8   | <5.5                  | 100                                   | <5                     | <30              | 71               | <5                            | <3.5                                 | 52                           | <5.5   |
|                 | VP-19-30     | 30                     | 11/17/2022   | µg/m <sup>3</sup> | <b>840</b>              | <b>1500</b>           | 7.5        | 26                           | <4.1                         | <3.2    | <4.4         | <3.8    | <8.8   | <5.5                  | 180                                   | <5                     | <30              | <6.3             | <5                            | <3.5                                 | 64                           | <5.5   |

**TABLE 1: Volatile Organic Compounds (VOCs) in Soil Vapor <sup>1</sup>**  
Former Riverside Scrap Iron & Metal Property  
Riverside, California

| Sample Location   | Sample ID    | Probe Depth (feet bgs) | Date Sampled | Units                   | Tetrachloroethene (PCE) | Trichloroethene (TCE) | Chloroform | 1,1-Dichloroethene (1,1-DCE) | 1,2-Dichloroethene (1,2-DCA) | Benzene   | Ethylbenzene | Toluene   | Xylene    | 1,1,1-Trichloroethane | 1,1,2-Trichloro-trifluoroethane (F113) | 1,2,4-Trimethylbenzene | 2-Butanone (MEK) | Carbon disulfide | Dichlorodifluoromethane (F12) | Methylene chloride (Dichloromethane) | Trichloro-fluoromethane (F11) | 1,1-difluoroethane (DFA) (leak check compound) |
|---|--------------|------------------------|--------------|-------------------------|-------------------------|-----------------------|------------|------------------------------|------------------------------|-----------|--------------|-----------|-----------|-----------------------|--|------------------------|------------------|------------------|-------------------------------|--------------------------------------|-------------------------------|--|
| VP-20   | VP-20-5      | 5                      | 11/17/2022   | µg/m <sup>3</sup>       | 91                      | 51                    | <4.9       | <4                           | <4.1                         | <3.2      | <4.4         | <3.8      | <8.8      | <5.5                  | 19                                     | <5                     | <30              | <6.3             | <5                            | <3.5                                 | 22                            | <5.5   |
|   | VP-20-15     | 15                     | 11/17/2022   | µg/m <sup>3</sup>       | 450                     | 650                   | 6.7        | <4                           | <4.1                         | <3.2      | <4.4         | 4.4       | <8.8      | <5.5                  | 73                                     | <5                     | <30              | <6.3             | 6.9                           | <3.5                                 | 82                            | <5.5   |
|   | VP-20-30     | 30                     | 11/17/2022   | µg/m <sup>3</sup>       | 710                     | 1600                  | 21         | 32                           | <4.1                         | <3.2      | <4.4         | 4.3       | <8.8      | <5.5                  | 130                                    | <5                     | <30              | <6.3             | 8.9                           | <3.5                                 | 130                           | <5.5   |
|   | VP-20-30 Rep | 30                     | 11/17/2022   | µg/m <sup>3</sup>       | 750                     | 1700                  | 22         | 31                           | <4.1                         | <3.2      | <4.4         | 5         | <8.8      | <5.5                  | 140                                    | <5                     | <30              | <6.3             | 9.9                           | <3.5                                 | 160                           | <5.5   |
| VP-21   | VP-21-5      | 5                      | 11/17/2022   | µg/m <sup>3</sup>       | 8                       | <5.5                  | 34         | <4                           | <4.1                         | 39        | <4.4         | 10        | <8.8      | <5.5                  | <7.7                                   | <5                     | <30              | 92               | <5                            | <3.5                                 | 160                           | 11   |
|   | VP-21-15     | 15                     | 11/17/2022   | µg/m <sup>3</sup>       | 150                     | <5.5                  | <4.9       | <4                           | <4.1                         | <3.2      | <4.4         | <3.8      | <8.8      | <5.5                  | 39                                     | <5                     | <30              | <6.3             | 7.3                           | <3.5                                 | 510                           | <5.5   |
| <b>Maximum Detected Concentration</b>                                 |              |                        |              | <b>µg/m<sup>3</sup></b> | <b>840</b>              | <b>1700</b>           | <b>34</b>  | <b>120</b>                   | <b>17</b>                    | <b>39</b> | <b>6.3</b>   | <b>77</b> | <b>23</b> | <b>9.4</b>            | <b>370</b>                             | <b>7.9</b>             | <b>100</b>       | <b>120</b>       | <b>13</b>                     | <b>26</b>                            | <b>510</b>                    | <b>520</b>                                     |
| <b>Soil Vapor Screening Levels</b>                                    |              |                        |              |                         |                         |                       |            |                              |                              |           |              |           |           |                       |  |                        |                  |                  |                               |                                      |                               |  |
| <b>Commercial/Industrial Soil Vapor Screening Levels <sup>2</sup></b> |              |                        |              |                         |                         |                       |            |                              |                              |           |              |           |           |                       |  |                        |                  |                  |                               |                                      |                               |  |
| DTSC AF SL (AF=0.001)<br>Existing Commercial/Industrial Buildings     |              |                        |              | µg/m <sup>3</sup>       | 2,000                   | 3,000                 | 530        | 310,000                      | 470                          | 420       | 4,900        | 1,300,000 | 440,000   | 1,000,000             | 5,200,000                              | 260,000                | 5,200,000        | 730,000          | 100,000                       | 1,000                                | 1,300,000                     | NA   |
| USEPA AF SL (AF=0.03)<br>All Commercial/Industrial Buildings          |              |                        |              | µg/m <sup>3</sup>       | 67                      | 100                   | 18         | 10,000                       | 16                           | 14        | 160          | 43,000    | 15,000    | 33,000                | 170,000                                | 8,700                  | 170,000          | 24,000           | 3,300                         | 33                                   | 43,000                        | NA   |
| <b>Residential Soil Vapor Screening Levels <sup>3</sup></b>           |              |                        |              |                         |                         |                       |            |                              |                              |           |              |           |           |                       |  |                        |                  |                  |                               |                                      |                               |  |
| DTSC AF SL (AF=0.001)<br>Existing Residential Buildings               |              |                        |              | µg/m <sup>3</sup>       | 460                     | 480                   | 120        | 73,000                       | 110                          | 97        | 1,100        | 310,000   | 100,000   | 4,400,000             | 22,000,000                             | 63,000                 | 22,000,000       | 3,100,000        | 440,000                       | 12,000                               | 5,300,000                     | NA   |
| USEPA AF SL (AF=0.03)<br>All Residential Buildings                    |              |                        |              | µg/m <sup>3</sup>       | 15                      | 16                    | 4.0        | 2,400                        | 3.7                          | 3.2       | 37           | 10,000    | 3,300     | 150,000               | 730,000                                | 2,100                  | 730,000          | 100,000          | 14,700                        | 400                                  | 180,000                       | NA   |

**Notes:**

<sup>1</sup> Soil vapor samples collected by H&P Mobile Geochemistry, Inc. (H&P) of Carlsbad, CA into batch-certified, 400 or 450 milliliter summa canisters under the field oversight of GSI Environmental Inc., and analyzed by H&P at a fixed laboratory using USEPA Method TO-15.

<sup>2</sup> Soil vapor results are compared to soil vapor screening levels generated by applying default attenuation factors (AF) for all buildings (0.03), as published by the USEPA (2015), or for current commercial buildings (0.001), as published by the California Department of Toxic Substances Control (DTSC, 2011) to regional screening levels for indoor air under residential land use published by the USEPA (2022) and modified by the DTSC (2022).

<sup>3</sup> Soil vapor results are compared to soil vapor screening levels generated by applying default attenuation factors (AF) for all buildings (0.03), as published by the USEPA (2015), or for current commercial buildings (0.001), as published by the California Department of Toxic Substances Control (DTSC, 2011) to regional screening levels for indoor air under residential land use published by the USEPA (2022) and modified by the DTSC (2022).

µg/m<sup>3</sup> = micrograms per cubic meter

NA = Not available

**References:**

California Environmental Protection Agency (Cal/EPA). 2011. Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance). DTSC. October.  
Department of Toxic Substances Control (DTSC). 2022. Human Health Risk Assessment (HHRA) Note, HERO HHRA Note 3, DTSC-modified Screening Levels (DTSC-SLs). May.  
United States Environmental Protection Agency (USEPA). 2022. Regional Screening Levels (RSLs). November.

## FIGURES

Figure 1. Site Location Map

Figure 2. Site Map with Sample Locations

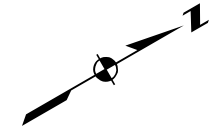
Figure 3. PCE and TCE Concentrations in Soil Vapor ( $\mu\text{g}/\text{m}^3$ )



|             |            |                 |     |
|-------------|------------|-----------------|-----|
| GSI Job No. | 6239       | Drawn by:       | AV  |
| Issued:     | 2-Jun-2022 | Chk'd by:       | SC  |
| Revised:    |            | Apr'd by:       | TFW |
| Map ID:     | RS6239_SLM | <b>FIGURE 1</b> |     |

**SITE LOCATION MAP**

Riverside Scrap Iron & Metal  
Riverside, California

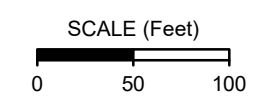


**LEGEND**

- 5 Foot Soil Vapor Probe
- ◆ 5 and 15 Foot Soil Vapor Probe
- ▲ 5, 15, and 30 Foot Soil Vapor Probe
- Site Boundary

**Notes**

- 1) Basemap downloaded from Google Earth Pro dated October 2016.
- 2) VP-6 probes were installed at 5' and 13'. VP-14 probes were installed at 5', 15', and 22'.



Projected Coordinate System  
 Datum: NAD83  
 State Plane California Zone VI  
 Units: Feet

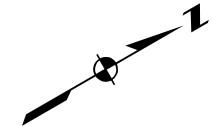
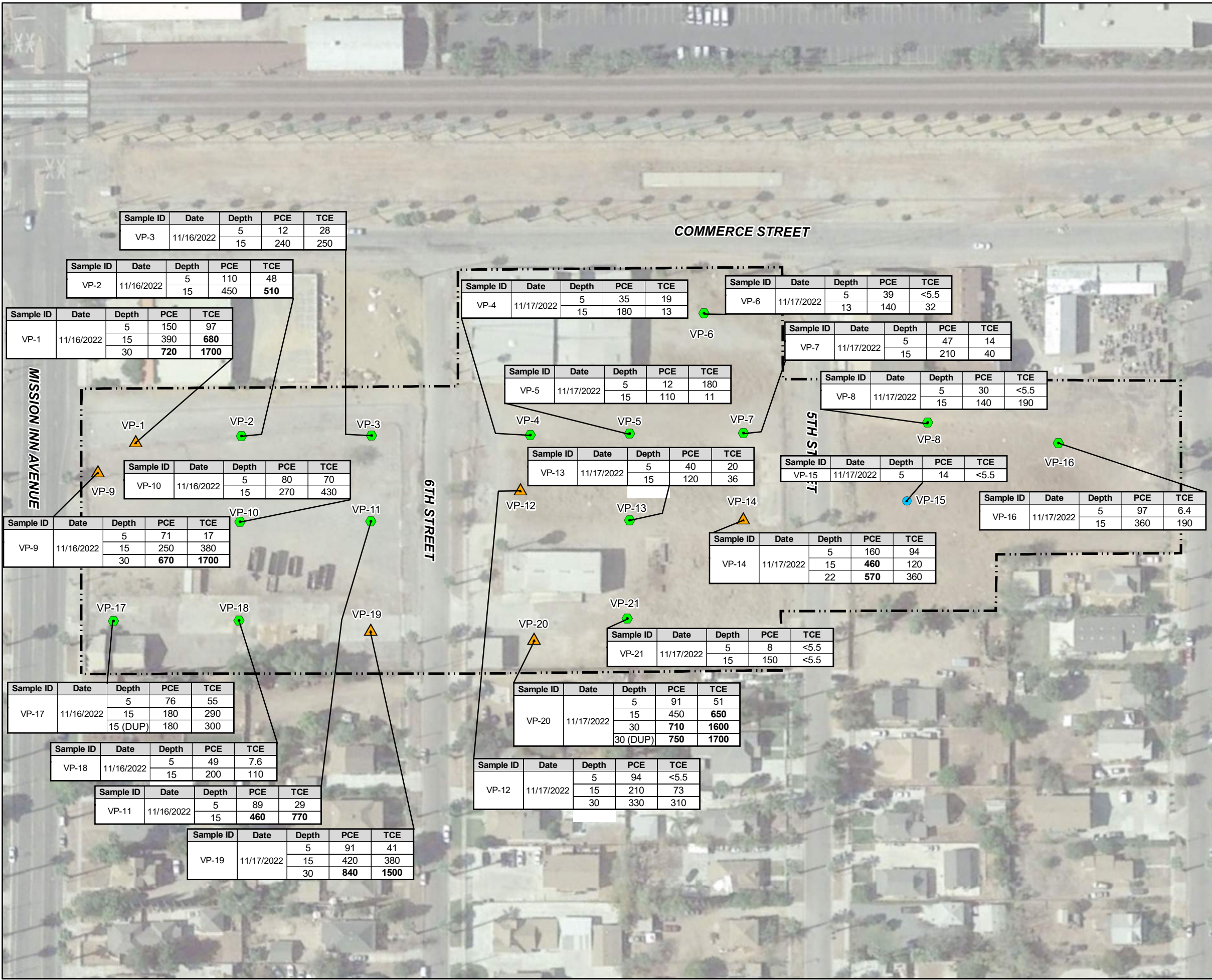


**SOIL VAPOR  
 SAMPLE LOCATIONS**

Riverside Scrap Iron & Metal  
 Riverside, California

|             |                 |            |    |
|-------------|-----------------|------------|----|
| GSI Job No. | 6239            | Drawn By:  | AV |
| Issued:     | 22-Nov-2022     | Chk'd By:  | SC |
| Map ID:     | RS6239_SVPNov22 | Appv'd By: | SC |

**FIGURE 2**

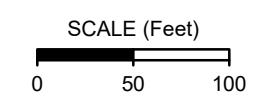


**LEGEND**

- 5 Foot Soil Vapor Probe
- ◆ 5 and 15 Foot Soil Vapor Probe
- ▲ 5, 15, and 30 Foot Soil Vapor Probe
- Site Boundary

**Notes**

- 1) Basemap downloaded from Google Earth Pro dated October 2016.
- 2) VP-6 probes were installed at 5' and 13'. VP-14 probes installed at 5', 15', and 22'.
- 3) Depth = feet below surface; < = not detected above the designated laboratory reporting limit; DUP = duplicate sample; PCE = tetrachloroethene; TCE = trichloroethene.
- 4) Concentrations are in micrograms per cubic meter (µg/m3)



Projected Coordinate System  
Datum: NAD83  
State Plane California Zone VI  
Units: Feet



**PCE AND TCE IN SOIL VAPOR**

Riverside Scrap Iron & Metal  
Riverside, California

|             |                   |           |    |
|-------------|-------------------|-----------|----|
| GSI Job No. | 6239              | Drawn By: | AV |
| Issued:     | 9-Dec-2022        | Chk'd By: | SC |
| Map ID:     | RS6239_SVP_PCETCE | App'd By: | SC |

**FIGURE 3**

## APPENDICES

- Appendix A. Analytical Laboratory Reports – Soil Vapor
- Appendix B. Boring Logs
- Appendix C. Duplicate Soil Vapor Sample Evaluation
- Appendix D. Soil Vapor Purge Volumes
- Appendix E. Historical Soil Vapor Data

## APPENDIX A

### Analytical Laboratory Reports – Soil Vapor

08 December 2022

Samantha Curtis  
GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

H&P Project: GSI111722-10  
Client Project: 6239 / Riverside

Dear Samantha Curtis:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 11/16/2022-11/17/2022 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,



Lisa Eminhizer  
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP and the National Environmental Laboratory Accreditation Conference (NELAC) for the fields of proficiency and analytes listed on those certificates. H&P is approved as an Environmental Testing Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs for the fields of proficiency and analytes included in the certification process and to the extent offered by the accreditation agency. Unless otherwise noted, accreditation certificate numbers, expiration of certificates, and scope of accreditation can be found at: [www.handpmg.com/about/certifications](http://www.handpmg.com/about/certifications). Fields of services and analytes contained in this report that are not listed on the certificates should be considered uncertified or unavailable for certification.



GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID    | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------|---------------|--------|--------------|---------------|
| VP-1-30      | E211049-01    | Vapor  | 16-Nov-22    | 16-Nov-22     |
| VP-1-15      | E211049-02    | Vapor  | 16-Nov-22    | 16-Nov-22     |
| VP-1-5       | E211049-03    | Vapor  | 16-Nov-22    | 16-Nov-22     |
| AA           | E211049-04    | Vapor  | 16-Nov-22    | 16-Nov-22     |
| VP-9-30      | E211049-05    | Vapor  | 16-Nov-22    | 16-Nov-22     |
| VP-9-15      | E211049-06    | Vapor  | 16-Nov-22    | 16-Nov-22     |
| VP-9-5       | E211049-07    | Vapor  | 16-Nov-22    | 16-Nov-22     |
| VP-2-15      | E211049-08    | Vapor  | 16-Nov-22    | 16-Nov-22     |
| VP-2-5       | E211049-09    | Vapor  | 16-Nov-22    | 16-Nov-22     |
| VP-3-15      | E211049-10    | Vapor  | 16-Nov-22    | 16-Nov-22     |
| VP-3-5       | E211049-11    | Vapor  | 16-Nov-22    | 16-Nov-22     |
| VP-11-15     | E211049-12    | Vapor  | 16-Nov-22    | 16-Nov-22     |
| VP-11-5      | E211049-13    | Vapor  | 16-Nov-22    | 16-Nov-22     |
| VP-10-15     | E211049-14    | Vapor  | 16-Nov-22    | 16-Nov-22     |
| VP-10-5      | E211049-15    | Vapor  | 16-Nov-22    | 16-Nov-22     |
| VP-17-15     | E211049-16    | Vapor  | 16-Nov-22    | 16-Nov-22     |
| VP-17-5      | E211049-17    | Vapor  | 16-Nov-22    | 16-Nov-22     |
| VP-17-5 Rep  | E211049-18    | Vapor  | 16-Nov-22    | 16-Nov-22     |
| VP-18-15     | E211049-19    | Vapor  | 16-Nov-22    | 16-Nov-22     |
| VP-18-5      | E211049-20    | Vapor  | 16-Nov-22    | 16-Nov-22     |
| VP-19-30     | E211050-01    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-19-15     | E211050-02    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-19-5      | E211050-03    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-20-30     | E211050-04    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-20-30 Rep | E211050-05    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-20-15     | E211050-06    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-20-5      | E211050-07    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-12-15     | E211050-08    | Vapor  | 17-Nov-22    | 17-Nov-22     |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|--------------|---------------|
| VP-12-5   | E211050-09    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-12-30  | E211050-10    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-13-15  | E211050-11    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-13-5   | E211050-12    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-14-22  | E211050-13    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-14-15  | E211050-14    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-14-5   | E211050-15    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-4-15   | E211050-16    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-4-5    | E211050-17    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-5-15   | E211050-18    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-5-5    | E211050-19    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-7-15   | E211050-20    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-7-5    | E211050-21    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-6-13   | E211050-22    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-6-5    | E211050-23    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-16-15  | E211050-24    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-16-5   | E211050-25    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-8-15   | E211050-26    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-8-5    | E211050-27    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-15-5   | E211050-28    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-21-15  | E211050-29    | Vapor  | 17-Nov-22    | 17-Nov-22     |
| VP-21-5   | E211050-30    | Vapor  | 17-Nov-22    | 17-Nov-22     |

GSI Environmental, Inc

7595 Irvine Center Dr, Ste 250

Irvine, CA 92618

Project: GSI111722-10

Project Number: 6239 / Riverside

Project Manager: Samantha Curtis

Reported:

08-Dec-22 14:54

Batch EK23015

The percent recoveries for Dichlorodifluoromethane and Chloromethane fell above the method criteria in the continuing calibration verification (CCV). Any results for these analytes, for samples included in this batch, may be biased high.

Batch EL20615

The percent recovery for Hexachlorobutadiene fell below the method criteria in the CCV. Any results for this analyte, for samples included in this batch, may be biased low.

Batch EI20716

The percent recoveries for 2-Butanone, 1,2,4-Trichlorobenzene and Hexachlorobutadiene fell below the method criteria in the CCV. Any results for these analytes, for samples included in this batch, may be biased low.

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**DETECTIONS SUMMARY**

Sample ID: **VP-1-30**

Laboratory ID: **E211049-01**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Dichlorodifluoromethane (F12)         | 8.5    | 5.0       |  | ug/m3 | EPA TO-15 |       |
| Chloromethane                         | 3.5    | 2.1       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 85     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1-Dichloroethene                    | 120    | 4.0       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 370    | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                      | 20     | 6.3       |  | ug/m3 | EPA TO-15 |       |
| 2-Butanone (MEK)                      | 54     | 30        |  | ug/m3 | EPA TO-15 |       |
| Chloroform                            | 20     | 4.9       |  | ug/m3 | EPA TO-15 |       |
| Benzene                               | 8.7    | 3.2       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 1700   | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Toluene                               | 4.4    | 3.8       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 720    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-1-15**

Laboratory ID: **E211049-02**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Trichlorofluoromethane (F11)          | 66     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1-Dichloroethene                    | 49     | 4.0       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 290    | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                      | 69     | 6.3       |  | ug/m3 | EPA TO-15 |       |
| 2-Butanone (MEK)                      | 69     | 30        |  | ug/m3 | EPA TO-15 |       |
| Chloroform                            | 12     | 4.9       |  | ug/m3 | EPA TO-15 |       |
| Benzene                               | 25     | 3.2       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 680    | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Toluene                               | 6.3    | 3.8       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 390    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-1-5**

Laboratory ID: **E211049-03**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Trichlorofluoromethane (F11)          | 22     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 94     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 97     | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 150    | 6.9       |  | ug/m3 | EPA TO-15 |       |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

Sample ID: AA

Laboratory ID: E211049-04

| Analyte                | Result | Reporting Limit | Units | Method | Notes |
|------------------------|--------|-----------------|-------|--------|-------|
| No Detections Reported |        |                 |       |        |       |

Sample ID: VP-9-30

Laboratory ID: E211049-05

| Analyte                               | Result | Reporting Limit | Units | Method    | Notes |
|---------------------------------------|--------|-----------------|-------|-----------|-------|
| Dichlorodifluoromethane (F12)         | 8.4    | 5.0             | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 86     | 5.6             | ug/m3 | EPA TO-15 |       |
| 1,1-Dichloroethene                    | 110    | 4.0             | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 370    | 7.7             | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                      | 12     | 6.3             | ug/m3 | EPA TO-15 |       |
| 2-Butanone (MEK)                      | 62     | 30              | ug/m3 | EPA TO-15 |       |
| Chloroform                            | 20     | 4.9             | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 1700   | 5.5             | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 670    | 6.9             | ug/m3 | EPA TO-15 |       |

Sample ID: VP-9-15

Laboratory ID: E211049-06

| Analyte                               | Result | Reporting Limit | Units | Method    | Notes |
|---------------------------------------|--------|-----------------|-------|-----------|-------|
| Dichlorodifluoromethane (F12)         | 6.8    | 5.0             | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 53     | 5.6             | ug/m3 | EPA TO-15 |       |
| 1,1-Dichloroethene                    | 6.5    | 4.0             | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 230    | 7.7             | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                      | 29     | 6.3             | ug/m3 | EPA TO-15 |       |
| 2-Butanone (MEK)                      | 40     | 30              | ug/m3 | EPA TO-15 |       |
| Chloroform                            | 6.4    | 4.9             | ug/m3 | EPA TO-15 |       |
| Benzene                               | 6.2    | 3.2             | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 380    | 5.5             | ug/m3 | EPA TO-15 |       |
| Toluene                               | 4.7    | 3.8             | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 250    | 6.9             | ug/m3 | EPA TO-15 |       |

Sample ID: VP-9-5

Laboratory ID: E211049-07

| Analyte                               | Result | Reporting Limit | Units | Method    | Notes |
|---------------------------------------|--------|-----------------|-------|-----------|-------|
| Trichlorofluoromethane (F11)          | 13     | 5.6             | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 51     | 7.7             | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                      | 15     | 6.3             | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 17     | 5.5             | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 71     | 6.9             | ug/m3 | EPA TO-15 |       |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

Sample ID: VP-2-15

Laboratory ID: E211049-08

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Dichlorodifluoromethane (F12)         | 8.2    | 5.0       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 56     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1-Dichloroethene                    | 17     | 4.0       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 210    | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                      | 7.4    | 6.3       |  | ug/m3 | EPA TO-15 |       |
| Chloroform                            | 33     | 4.9       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 510    | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 450    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: VP-2-5

Laboratory ID: E211049-09

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Trichlorofluoromethane (F11)          | 23     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 72     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                      | 7.5    | 6.3       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 48     | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 110    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: VP-3-15

Laboratory ID: E211049-10

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Dichlorodifluoromethane (F12)         | 7.9    | 5.0       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 66     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 140    | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Chloroform                            | 23     | 4.9       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 250    | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 240    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: VP-3-5

Laboratory ID: E211049-11

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| 1,1-Difluoroethane (LCC)              | 14     | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 5.9    | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 8.3    | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Methylene chloride (Dichloromethane)  | 9.1    | 3.5       |  | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                      | 19     | 6.3       |  | ug/m3 | EPA TO-15 |       |
| Chloroform                            | 11     | 4.9       |  | ug/m3 | EPA TO-15 |       |
| Benzene                               | 6.7    | 3.2       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 28     | 5.5       |  | ug/m3 | EPA TO-15 |       |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

Sample ID: **VP-3-5**

Laboratory ID: **E211049-11**

| Analyte           | Result | Reporting |  | Units | Method    | Notes |
|-------------------|--------|-----------|--|-------|-----------|-------|
|                   |        | Limit     |  |       |           |       |
| Toluene           | 14     | 3.8       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene | 12     | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-11-15**

Laboratory ID: **E211049-12**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Dichlorodifluoromethane (F12)         | 7.9    | 5.0       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 90     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 240    | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 770    | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 460    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-11-5**

Laboratory ID: **E211049-13**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Dichlorodifluoromethane (F12)         | 5.3    | 5.0       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 34     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 95     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 29     | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 89     | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-10-15**

Laboratory ID: **E211049-14**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Dichlorodifluoromethane (F12)         | 6.3    | 5.0       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 51     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1-Dichloroethene                    | 17     | 4.0       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 99     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                      | 13     | 6.3       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 430    | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Toluene                               | 4.3    | 3.8       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 270    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-10-5**

Laboratory ID: **E211049-15**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Trichlorofluoromethane (F11)          | 23     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 37     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                      | 8.0    | 6.3       |  | ug/m3 | EPA TO-15 |       |

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Project Manager: Samantha Curtis

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Sample ID: **VP-10-5**

Laboratory ID: **E211049-15**

| Analyte                  | Result     | Reporting  |  | Units | Method    | Notes |
|--------------------------|------------|------------|--|-------|-----------|-------|
|                          |            | Limit      |  |       |           |       |
| <b>Benzene</b>           | <b>3.5</b> | <b>3.2</b> |  | ug/m3 | EPA TO-15 |       |
| <b>Trichloroethene</b>   | <b>70</b>  | <b>5.5</b> |  | ug/m3 | EPA TO-15 |       |
| <b>Tetrachloroethene</b> | <b>80</b>  | <b>6.9</b> |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-17-15**

Laboratory ID: **E211049-16**

| Analyte                                      | Result     | Reporting  |  | Units | Method    | Notes |
|--|------------|------------|--|-------|-----------|-------|
|  |            | Limit      |  |       |           |       |
| <b>Trichlorofluoromethane (F11)</b>          | <b>19</b>  | <b>5.6</b> |  | ug/m3 | EPA TO-15 |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>49</b>  | <b>7.7</b> |  | ug/m3 | EPA TO-15 |       |
| <b>Carbon disulfide</b>                      | <b>11</b>  | <b>6.3</b> |  | ug/m3 | EPA TO-15 |       |
| <b>2-Butanone (MEK)</b>                      | <b>39</b>  | <b>30</b>  |  | ug/m3 | EPA TO-15 |       |
| <b>Trichloroethene</b>                       | <b>290</b> | <b>5.5</b> |  | ug/m3 | EPA TO-15 |       |
| <b>Toluene</b>                               | <b>6.6</b> | <b>3.8</b> |  | ug/m3 | EPA TO-15 |       |
| <b>Tetrachloroethene</b>                     | <b>180</b> | <b>6.9</b> |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-17-5**

Laboratory ID: **E211049-17**

| Analyte                                      | Result     | Reporting  |  | Units | Method    | Notes |
|--|------------|------------|--|-------|-----------|-------|
|  |            | Limit      |  |       |           |       |
| <b>Trichlorofluoromethane (F11)</b>          | <b>11</b>  | <b>5.6</b> |  | ug/m3 | EPA TO-15 |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>23</b>  | <b>7.7</b> |  | ug/m3 | EPA TO-15 |       |
| <b>Carbon disulfide</b>                      | <b>9.3</b> | <b>6.3</b> |  | ug/m3 | EPA TO-15 |       |
| <b>Trichloroethene</b>                       | <b>55</b>  | <b>5.5</b> |  | ug/m3 | EPA TO-15 |       |
| <b>Toluene</b>                               | <b>6.5</b> | <b>3.8</b> |  | ug/m3 | EPA TO-15 |       |
| <b>Tetrachloroethene</b>                     | <b>76</b>  | <b>6.9</b> |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-17-5 Rep**

Laboratory ID: **E211049-18**

| Analyte                                      | Result     | Reporting  |  | Units | Method    | Notes |
|--|------------|------------|--|-------|-----------|-------|
|  |            | Limit      |  |       |           |       |
| <b>Trichlorofluoromethane (F11)</b>          | <b>19</b>  | <b>5.6</b> |  | ug/m3 | EPA TO-15 |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>51</b>  | <b>7.7</b> |  | ug/m3 | EPA TO-15 |       |
| <b>Carbon disulfide</b>                      | <b>12</b>  | <b>6.3</b> |  | ug/m3 | EPA TO-15 |       |
| <b>2-Butanone (MEK)</b>                      | <b>74</b>  | <b>30</b>  |  | ug/m3 | EPA TO-15 |       |
| <b>Trichloroethene</b>                       | <b>300</b> | <b>5.5</b> |  | ug/m3 | EPA TO-15 |       |
| <b>Toluene</b>                               | <b>6.7</b> | <b>3.8</b> |  | ug/m3 | EPA TO-15 |       |
| <b>Tetrachloroethene</b>                     | <b>180</b> | <b>6.9</b> |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-18-15**

Laboratory ID: **E211049-19**

| Analyte | Result | Reporting |  | Units | Method | Notes |
|---------|--------|-----------|--|-------|--------|-------|
|         |        | Limit     |  |       |        |       |

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Sample ID: **VP-18-15**

Laboratory ID: **E211049-19**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Trichlorofluoromethane (F11)          | 79     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 43     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                      | 16     | 6.3       |  | ug/m3 | EPA TO-15 |       |
| 2-Butanone (MEK)                      | 100    | 30        |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 110    | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Toluene                               | 6.6    | 3.8       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 200    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-18-5**

Laboratory ID: **E211049-20**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Trichlorofluoromethane (F11)          | 41     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 14     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 7.6    | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Toluene                               | 4.1    | 3.8       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 49     | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-19-30**

Laboratory ID: **E211050-01**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Trichlorofluoromethane (F11)          | 64     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1-Dichloroethene                    | 26     | 4.0       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 180    | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Chloroform                            | 7.5    | 4.9       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 1500   | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 840    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-19-15**

Laboratory ID: **E211050-02**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Trichlorofluoromethane (F11)          | 52     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 100    | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                      | 71     | 6.3       |  | ug/m3 | EPA TO-15 |       |
| Benzene                               | 4.9    | 3.2       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 380    | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Toluene                               | 10     | 3.8       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 420    | 6.9       |  | ug/m3 | EPA TO-15 |       |

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Sample ID: **VP-19-5**

Laboratory ID: **E211050-03**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Trichlorofluoromethane (F11)          | 11     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 32     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                      | 44     | 6.3       |  | ug/m3 | EPA TO-15 |       |
| Benzene                               | 8.1    | 3.2       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 41     | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Toluene                               | 6.5    | 3.8       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 91     | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-20-30**

Laboratory ID: **E211050-04**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Dichlorodifluoromethane (F12)         | 8.9    | 5.0       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 130    | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1-Dichloroethene                    | 32     | 4.0       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 130    | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Chloroform                            | 21     | 4.9       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 1600   | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Toluene                               | 4.3    | 3.8       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 710    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-20-30 Rep**

Laboratory ID: **E211050-05**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Dichlorodifluoromethane (F12)         | 9.9    | 5.0       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 160    | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1-Dichloroethene                    | 31     | 4.0       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 140    | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Chloroform                            | 22     | 4.9       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 1700   | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Toluene                               | 5.0    | 3.8       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 750    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-20-15**

Laboratory ID: **E211050-06**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Dichlorodifluoromethane (F12)         | 6.9    | 5.0       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 82     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 73     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Chloroform                            | 6.7    | 4.9       |  | ug/m3 | EPA TO-15 |       |

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08-Dec-22 14:54

Sample ID: **VP-20-15**

Laboratory ID: **E211050-06**

| Analyte           | Result | Reporting |  | Units | Method    | Notes |
|-------------------|--------|-----------|--|-------|-----------|-------|
|                   |        | Limit     |  |       |           |       |
| Trichloroethene   | 650    | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Toluene           | 4.4    | 3.8       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene | 450    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-20-5**

Laboratory ID: **E211050-07**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Trichlorofluoromethane (F11)          | 22     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 19     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 51     | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 91     | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-12-15**

Laboratory ID: **E211050-08**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Dichlorodifluoromethane (F12)         | 8.7    | 5.0       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 100    | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 50     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                      | 13     | 6.3       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 73     | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 210    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-12-5**

Laboratory ID: **E211050-09**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Trichlorofluoromethane (F11)          | 68     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 27     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 94     | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-12-30**

Laboratory ID: **E211050-10**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Dichlorodifluoromethane (F12)         | 10     | 5.0       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 230    | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 79     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| 2-Butanone (MEK)                      | 32     | 30        |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 310    | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 330    | 6.9       |  | ug/m3 | EPA TO-15 |       |

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Reported:  
08-Dec-22 14:54

Sample ID: VP-13-15

Laboratory ID: E211050-11

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Dichlorodifluoromethane (F12)         | 8.2    | 5.0       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 410    | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 22     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 36     | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 120    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: VP-13-5

Laboratory ID: E211050-12

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Trichlorofluoromethane (F11)          | 180    | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 14     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Methylene chloride (Dichloromethane)  | 3.6    | 3.5       |  | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                      | 32     | 6.3       |  | ug/m3 | EPA TO-15 |       |
| Benzene                               | 3.4    | 3.2       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 20     | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Toluene                               | 6.9    | 3.8       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 40     | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: VP-14-22

Laboratory ID: E211050-13

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Dichlorodifluoromethane (F12)         | 13     | 5.0       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 350    | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 51     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                      | 16     | 6.3       |  | ug/m3 | EPA TO-15 |       |
| Chloroform                            | 8.5    | 4.9       |  | ug/m3 | EPA TO-15 |       |
| Benzene                               | 3.8    | 3.2       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 360    | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Toluene                               | 8.7    | 3.8       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 570    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: VP-14-15

Laboratory ID: E211050-14

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Dichlorodifluoromethane (F12)         | 8.9    | 5.0       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 200    | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 23     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Methylene chloride (Dichloromethane)  | 3.6    | 3.5       |  | ug/m3 | EPA TO-15 |       |
| Benzene                               | 6.5    | 3.2       |  | ug/m3 | EPA TO-15 |       |

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Reported:  
08-Dec-22 14:54

Sample ID: **VP-14-15**

Laboratory ID: **E211050-14**

| Analyte                | Result | Reporting |  | Units | Method    | Notes |
|------------------------|--------|-----------|--|-------|-----------|-------|
|                        |        | Limit     |  |       |           |       |
| Trichloroethene        | 120    | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Toluene                | 27     | 3.8       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene      | 460    | 6.9       |  | ug/m3 | EPA TO-15 |       |
| m,p-Xylene             | 17     | 8.8       |  | ug/m3 | EPA TO-15 |       |
| o-Xylene               | 6.4    | 4.4       |  | ug/m3 | EPA TO-15 |       |
| 1,2,4-Trimethylbenzene | 7.6    | 5.0       |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-14-5**

Laboratory ID: **E211050-15**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Dichlorodifluoromethane (F12)         | 8.4    | 5.0       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 200    | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 21     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Methylene chloride (Dichloromethane)  | 6.2    | 3.5       |  | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                      | 120    | 6.3       |  | ug/m3 | EPA TO-15 |       |
| Chloroform                            | 5.9    | 4.9       |  | ug/m3 | EPA TO-15 |       |
| Benzene                               | 15     | 3.2       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 94     | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Toluene                               | 77     | 3.8       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 160    | 6.9       |  | ug/m3 | EPA TO-15 |       |
| Ethylbenzene                          | 6.3    | 4.4       |  | ug/m3 | EPA TO-15 |       |
| m,p-Xylene                            | 13     | 8.8       |  | ug/m3 | EPA TO-15 |       |
| o-Xylene                              | 7.1    | 4.4       |  | ug/m3 | EPA TO-15 |       |
| 1,2,4-Trimethylbenzene                | 7.9    | 5.0       |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-4-15**

Laboratory ID: **E211050-16**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Trichlorofluoromethane (F11)          | 99     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 26     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 13     | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 180    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: **VP-4-5**

Laboratory ID: **E211050-17**

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Trichlorofluoromethane (F11)          | 64     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 15     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                      | 67     | 6.3       |  | ug/m3 | EPA TO-15 |       |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

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08-Dec-22 14:54

Sample ID: VP-4-5

Laboratory ID: E211050-17

| Analyte           | Result | Reporting |  | Units | Method    | Notes |
|-------------------|--------|-----------|--|-------|-----------|-------|
|                   |        | Limit     |  |       |           |       |
| Trichloroethene   | 19     | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Toluene           | 11     | 3.8       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene | 35     | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: VP-5-15

Laboratory ID: E211050-18

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Dichlorodifluoromethane (F12)         | 6.7    | 5.0       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 220    | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 20     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 11     | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 110    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: VP-5-5

Laboratory ID: E211050-19

| Analyte                              | Result | Reporting |  | Units | Method    | Notes |
|--------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                      |        | Limit     |  |       |           |       |
| Trichlorofluoromethane (F11)         | 60     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| Methylene chloride (Dichloromethane) | 26     | 3.5       |  | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                     | 71     | 6.3       |  | ug/m3 | EPA TO-15 |       |
| Chloroform                           | 17     | 4.9       |  | ug/m3 | EPA TO-15 |       |
| Benzene                              | 6.3    | 3.2       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                      | 180    | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Toluene                              | 23     | 3.8       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                    | 12     | 6.9       |  | ug/m3 | EPA TO-15 |       |
| o-Xylene                             | 4.9    | 4.4       |  | ug/m3 | EPA TO-15 | QL-1H |

Sample ID: VP-7-15

Laboratory ID: E211050-20

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Dichlorodifluoromethane (F12)         | 6.1    | 5.0       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 180    | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 26     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 40     | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 210    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: VP-7-5

Laboratory ID: E211050-21

| Analyte                      | Result | Reporting |  | Units | Method    | Notes |
|------------------------------|--------|-----------|--|-------|-----------|-------|
|                              |        | Limit     |  |       |           |       |
| Trichlorofluoromethane (F11) | 53     | 5.6       |  | ug/m3 | EPA TO-15 |       |

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08-Dec-22 14:54

Sample ID: VP-7-5

Laboratory ID: E211050-21

| Analyte           | Result | Reporting |  | Units | Method    | Notes |
|-------------------|--------|-----------|--|-------|-----------|-------|
|                   |        | Limit     |  |       |           |       |
| Trichloroethene   | 14     | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene | 47     | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: VP-6-13

Laboratory ID: E211050-22

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Dichlorodifluoromethane (F12)         | 7.2    | 5.0       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 100    | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 39     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                      | 73     | 6.3       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 32     | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 140    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: VP-6-5

Laboratory ID: E211050-23

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Dichlorodifluoromethane (F12)         | 7.8    | 5.0       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 91     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 35     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 39     | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: VP-16-15

Laboratory ID: E211050-24

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Trichlorofluoromethane (F11)          | 50     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 44     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 190    | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 360    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: VP-16-5

Laboratory ID: E211050-25

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Trichlorofluoromethane (F11)          | 23     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 16     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 6.4    | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 97     | 6.9       |  | ug/m3 | EPA TO-15 |       |

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Sample ID: VP-8-15

Laboratory ID: E211050-26

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Dichlorodifluoromethane (F12)         | 6.8    | 5.0       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 85     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 50     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Methylene chloride (Dichloromethane)  | 5.3    | 3.5       |  | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                      | 52     | 6.3       |  | ug/m3 | EPA TO-15 |       |
| Trichloroethene                       | 190    | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 140    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: VP-8-5

Laboratory ID: E211050-27

| Analyte                      | Result | Reporting |  | Units | Method    | Notes |
|------------------------------|--------|-----------|--|-------|-----------|-------|
|                              |        | Limit     |  |       |           |       |
| 1,1-Difluoroethane (LCC)     | 520    | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11) | 14     | 5.6       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene            | 30     | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: VP-15-5

Laboratory ID: E211050-28

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Trichlorofluoromethane (F11)          | 460    | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 10     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Carbon disulfide                      | 13     | 6.3       |  | ug/m3 | EPA TO-15 |       |
| Chloroform                            | 6.9    | 4.9       |  | ug/m3 | EPA TO-15 |       |
| 1,1,1-Trichloroethane                 | 9.4    | 5.5       |  | ug/m3 | EPA TO-15 |       |
| 1,2-Dichloroethane (EDC)              | 17     | 4.1       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 14     | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: VP-21-15

Laboratory ID: E211050-29

| Analyte                               | Result | Reporting |  | Units | Method    | Notes |
|---------------------------------------|--------|-----------|--|-------|-----------|-------|
|                                       |        | Limit     |  |       |           |       |
| Dichlorodifluoromethane (F12)         | 7.3    | 5.0       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11)          | 510    | 5.6       |  | ug/m3 | EPA TO-15 |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 39     | 7.7       |  | ug/m3 | EPA TO-15 |       |
| Tetrachloroethene                     | 150    | 6.9       |  | ug/m3 | EPA TO-15 |       |

Sample ID: VP-21-5

Laboratory ID: E211050-30

| Analyte                      | Result | Reporting |  | Units | Method    | Notes |
|------------------------------|--------|-----------|--|-------|-----------|-------|
|                              |        | Limit     |  |       |           |       |
| 1,1-Difluoroethane (LCC)     | 11     | 5.5       |  | ug/m3 | EPA TO-15 |       |
| Trichlorofluoromethane (F11) | 160    | 5.6       |  | ug/m3 | EPA TO-15 |       |

GSI Environmental, Inc  
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Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

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08-Dec-22 14:54

Sample ID: **VP-21-5**

Laboratory ID: **E211050-30**

| Analyte                  | Result     | Reporting |  | Units | Method    | Notes |
|--------------------------|------------|-----------|--|-------|-----------|-------|
|                          |            | Limit     |  |       |           |       |
| <b>Carbon disulfide</b>  | <b>92</b>  | 6.3       |  | ug/m3 | EPA TO-15 |       |
| <b>Chloroform</b>        | <b>34</b>  | 4.9       |  | ug/m3 | EPA TO-15 |       |
| <b>Benzene</b>           | <b>39</b>  | 3.2       |  | ug/m3 | EPA TO-15 |       |
| <b>Toluene</b>           | <b>10</b>  | 3.8       |  | ug/m3 | EPA TO-15 |       |
| <b>Tetrachloroethene</b> | <b>8.0</b> | 6.9       |  | ug/m3 | EPA TO-15 |       |

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Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result      | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|-------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-1-30 (E211049-01) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |             |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)   | ND          | 5.5             | ug/m3 | 1               | EK23015 | 30-Nov-22 | 30-Nov-22 | EPA TO-15 |       |
| <b>Dichlorodifluoromethane (F12)</b>                                     | <b>8.5</b>  | 5.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Chloromethane</b>   | <b>3.5</b>  | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)   | ND          | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride   | ND          | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane   | ND          | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane   | ND          | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                      | <b>85</b>   | 5.6             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1-Dichloroethene</b>  | <b>120</b>  | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                             | <b>370</b>  | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)                                     | ND          | 3.5             | "     | "               | "       | "         | "         | "         |       |
| <b>Carbon disulfide</b>  | <b>20</b>   | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene   | ND          | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane   | ND          | 4.1             | "     | "               | "       | "         | "         | "         |       |
| <b>2-Butanone (MEK)</b>  | <b>54</b>   | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene   | ND          | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Chloroform</b>  | <b>20</b>   | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane  | ND          | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)   | ND          | 4.1             | "     | "               | "       | "         | "         | "         |       |
| <b>Benzene</b>   | <b>8.7</b>  | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride   | ND          | 6.4             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichloroethene</b>   | <b>1700</b> | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane  | ND          | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND          | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND          | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND          | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND          | 4.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>   | <b>4.4</b>  | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND          | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND          | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND          | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>720</b>  | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND          | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND          | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND          | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND          | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND          | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene  | ND          | 4.3             | "     | "               | "       | "         | "         | "         |       |

GSI Environmental, Inc  
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Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-1-30 (E211049-01) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene   | ND     | 4.4             | ug/m3 | 1               | EK23015 | 30-Nov-22 | 30-Nov-22 | EPA TO-15 |       |
| Bromoform  | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

117 % 76-134  
104 % 78-125  
86.5 % 77-127

" " "  
" " "  
" " "

**VP-1-15 (E211049-02) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22**

|  |            |     |       |   |         |           |           |           |  |
|--|------------|-----|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND         | 5.5 | ug/m3 | 1 | EK23015 | 30-Nov-22 | 30-Nov-22 | EPA TO-15 |  |
| Dichlorodifluoromethane (F12)                | ND         | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND         | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND         | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND         | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND         | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>66</b>  | 5.6 | "     | " | "       | "         | "         | "         |  |
| <b>1,1-Dichloroethene</b>                    | <b>49</b>  | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>290</b> | 7.7 | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)         | ND         | 3.5 | "     | " | "       | "         | "         | "         |  |
| <b>Carbon disulfide</b>                      | <b>69</b>  | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| <b>2-Butanone (MEK)</b>                      | <b>69</b>  | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>Chloroform</b>                            | <b>12</b>  | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                        | ND         | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)                     | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| <b>Benzene</b>                               | <b>25</b>  | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND         | 6.4 | "     | " | "       | "         | "         | "         |  |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-1-15 (E211049-02) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| <b>Trichloroethene</b>   | <b>680</b> | <b>5.5</b>      | ug/m3 | 1               | EK23015 | 30-Nov-22 | 30-Nov-22 | EPA TO-15 |       |
| 1,2-Dichloropropane  | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>   | <b>6.3</b> | <b>3.8</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>390</b> | <b>6.9</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene  | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |
| o-Xylene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| Bromoform  | ND         | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND         | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND         | 54              | "     | "               | "       | "         | "         | "         |       |
| <hr/>  |            |                 |       |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4   |            | 118 %           |       | 76-134          | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8  |            | 105 %           |       | 78-125          | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene  |            | 87.6 %          |       | 77-127          | "       | "         | "         | "         |       |

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Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-1-5 (E211049-03) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)  | ND         | 5.5             | ug/m3 | 1               | EK23015 | 30-Nov-22 | 30-Nov-22 | EPA TO-15 |       |
| Dichlorodifluoromethane (F12)   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane   | ND         | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)  | ND         | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride  | ND         | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane  | ND         | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane  | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                     | <b>22</b>  | 5.6             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethene  | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                            | <b>94</b>  | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)                                    | ND         | 3.5             | "     | "               | "       | "         | "         | "         |       |
| Carbon disulfide  | ND         | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene  | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane  | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)  | ND         | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene  | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| Chloroform  | ND         | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)  | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| Benzene   | ND         | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride  | ND         | 6.4             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichloroethene</b>  | <b>97</b>  | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane   | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene   | ND         | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>150</b> | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene   | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |

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08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-1-5 (E211049-03) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene  | ND     | 4.4             | ug/m3 | 1               | EK23015 | 30-Nov-22 | 30-Nov-22 | EPA TO-15 |       |
| Bromoform   | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

117 % 76-134  
106 % 78-125  
88.2 % 77-127

" " "  
" " "  
" " "

**AA (E211049-04) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22**

|                                       |    |     |       |   |         |           |           |           |  |
|---------------------------------------|----|-----|-------|---|---------|-----------|-----------|-----------|--|
| Dichlorodifluoromethane (F12)         | ND | 5.0 | ug/m3 | 1 | EK23015 | 30-Nov-22 | 30-Nov-22 | EPA TO-15 |  |
| Chloromethane                         | ND | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)      | ND | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                        | ND | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                          | ND | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                          | ND | 8.0 | "     | " | "       | "         | "         | "         |  |
| Trichlorofluoromethane (F11)          | ND | 5.6 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethene                    | ND | 4.0 | "     | " | "       | "         | "         | "         |  |
| 1,1,2-Trichlorotrifluoroethane (F113) | ND | 7.7 | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)  | ND | 3.5 | "     | " | "       | "         | "         | "         |  |
| Carbon disulfide                      | ND | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene              | ND | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                    | ND | 4.1 | "     | " | "       | "         | "         | "         |  |
| 2-Butanone (MEK)                      | ND | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                | ND | 4.0 | "     | " | "       | "         | "         | "         |  |
| Chloroform                            | ND | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                 | ND | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)              | ND | 4.1 | "     | " | "       | "         | "         | "         |  |
| Benzene                               | ND | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                  | ND | 6.4 | "     | " | "       | "         | "         | "         |  |
| Trichloroethene                       | ND | 5.5 | "     | " | "       | "         | "         | "         |  |

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Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>AA (E211049-04) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| 1,2-Dichloropropane   | ND     | 9.4             | ug/m3 | 1               | EK23015 | 30-Nov-22 | 30-Nov-22 | EPA TO-15 |       |
| Bromodichloromethane  | ND     | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND     | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND     | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND     | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene   | ND     | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND     | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND     | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND     | 8.6             | "     | "               | "       | "         | "         | "         |       |
| Tetrachloroethene   | ND     | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND     | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND     | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND     | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND     | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene   | ND     | 4.3             | "     | "               | "       | "         | "         | "         |       |
| o-Xylene  | ND     | 4.4             | "     | "               | "       | "         | "         | "         |       |
| Bromoform   | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND     | 54              | "     | "               | "       | "         | "         | "         |       |
| <hr/>   |        |                 |       |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4                                    |        | 118 %           |       | 76-134          | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8   |        | 108 %           |       | 78-125          | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene                                     |        | 86.4 %          |       | 77-127          | "       | "         | "         | "         |       |

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Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result      | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|-------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-9-30 (E211049-05) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |             |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)   | ND          | 5.5             | ug/m3 | 1               | EK23015 | 30-Nov-22 | 30-Nov-22 | EPA TO-15 |       |
| <b>Dichlorodifluoromethane (F12)</b>                                     | <b>8.4</b>  | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane  | ND          | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)   | ND          | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride   | ND          | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane   | ND          | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane   | ND          | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                      | <b>86</b>   | 5.6             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1-Dichloroethene</b>  | <b>110</b>  | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                             | <b>370</b>  | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)                                     | ND          | 3.5             | "     | "               | "       | "         | "         | "         |       |
| <b>Carbon disulfide</b>  | <b>12</b>   | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene   | ND          | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane   | ND          | 4.1             | "     | "               | "       | "         | "         | "         |       |
| <b>2-Butanone (MEK)</b>  | <b>62</b>   | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene   | ND          | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Chloroform</b>  | <b>20</b>   | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane  | ND          | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)   | ND          | 4.1             | "     | "               | "       | "         | "         | "         |       |
| Benzene  | ND          | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride   | ND          | 6.4             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichloroethene</b>   | <b>1700</b> | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane  | ND          | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND          | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND          | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND          | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND          | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene  | ND          | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND          | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND          | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND          | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>670</b>  | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND          | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND          | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND          | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND          | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND          | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene  | ND          | 4.3             | "     | "               | "       | "         | "         | "         |       |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-9-30 (E211049-05) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene   | ND     | 4.4             | ug/m3 | 1               | EK23015 | 30-Nov-22 | 30-Nov-22 | EPA TO-15 |       |
| Bromoform  | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

118 % 76-134  
104 % 78-125  
84.4 % 77-127

" " " " " " " " " "

**VP-9-15 (E211049-06) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22**

|  |            |     |       |   |         |           |           |           |  |
|--|------------|-----|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND         | 5.5 | ug/m3 | 1 | EK23015 | 30-Nov-22 | 30-Nov-22 | EPA TO-15 |  |
| <b>Dichlorodifluoromethane (F12)</b>         | <b>6.8</b> | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND         | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND         | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND         | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND         | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>53</b>  | 5.6 | "     | " | "       | "         | "         | "         |  |
| <b>1,1-Dichloroethene</b>                    | <b>6.5</b> | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>230</b> | 7.7 | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)         | ND         | 3.5 | "     | " | "       | "         | "         | "         |  |
| <b>Carbon disulfide</b>                      | <b>29</b>  | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| <b>2-Butanone (MEK)</b>                      | <b>40</b>  | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>Chloroform</b>                            | <b>6.4</b> | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                        | ND         | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)                     | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| <b>Benzene</b>                               | <b>6.2</b> | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND         | 6.4 | "     | " | "       | "         | "         | "         |  |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-9-15 (E211049-06) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| <b>Trichloroethene</b>   | <b>380</b> | <b>5.5</b>      | ug/m3 | 1               | EK23015 | 30-Nov-22 | 30-Nov-22 | EPA TO-15 |       |
| 1,2-Dichloropropane  | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>   | <b>4.7</b> | <b>3.8</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>250</b> | <b>6.9</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene  | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |
| o-Xylene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| Bromoform  | ND         | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND         | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND         | 54              | "     | "               | "       | "         | "         | "         |       |
| <hr/>  |            |                 |       |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4   |            | 121 %           |       | 76-134          | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8  |            | 105 %           |       | 78-125          | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene  |            | 83.6 %          |       | 77-127          | "       | "         | "         | "         |       |

GSI Environmental, Inc  
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Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result    | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|-----------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-9-5 (E211049-07) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |           |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)  | ND        | 5.5             | ug/m3 | 1               | EK23015 | 30-Nov-22 | 30-Nov-22 | EPA TO-15 |       |
| Dichlorodifluoromethane (F12)   | ND        | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane   | ND        | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)  | ND        | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride  | ND        | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane  | ND        | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane  | ND        | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                     | <b>13</b> | 5.6             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethene  | ND        | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                            | <b>51</b> | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)                                    | ND        | 3.5             | "     | "               | "       | "         | "         | "         |       |
| <b>Carbon disulfide</b>   | <b>15</b> | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene  | ND        | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane  | ND        | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)  | ND        | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene  | ND        | 4.0             | "     | "               | "       | "         | "         | "         |       |
| Chloroform  | ND        | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane   | ND        | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)  | ND        | 4.1             | "     | "               | "       | "         | "         | "         |       |
| Benzene   | ND        | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride  | ND        | 6.4             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichloroethene</b>  | <b>17</b> | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane   | ND        | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND        | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND        | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND        | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND        | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene   | ND        | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND        | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND        | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND        | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>71</b> | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND        | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND        | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND        | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND        | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND        | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene   | ND        | 4.3             | "     | "               | "       | "         | "         | "         |       |

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Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-9-5 (E211049-07) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene  | ND     | 4.4             | ug/m3 | 1               | EK23015 | 30-Nov-22 | 30-Nov-22 | EPA TO-15 |       |
| Bromoform   | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

121 % 76-134 " " " "  
108 % 78-125 " " " "  
85.8 % 77-127 " " " "

**VP-2-15 (E211049-08) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22**

|  |            |     |       |   |         |           |           |           |  |
|--|------------|-----|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND         | 5.5 | ug/m3 | 1 | EK23015 | 30-Nov-22 | 30-Nov-22 | EPA TO-15 |  |
| <b>Dichlorodifluoromethane (F12)</b>         | <b>8.2</b> | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND         | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND         | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND         | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND         | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>56</b>  | 5.6 | "     | " | "       | "         | "         | "         |  |
| <b>1,1-Dichloroethene</b>                    | <b>17</b>  | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>210</b> | 7.7 | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)         | ND         | 3.5 | "     | " | "       | "         | "         | "         |  |
| <b>Carbon disulfide</b>                      | <b>7.4</b> | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| 2-Butanone (MEK)                             | ND         | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>Chloroform</b>                            | <b>33</b>  | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                        | ND         | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)                     | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| Benzene                                      | ND         | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND         | 6.4 | "     | " | "       | "         | "         | "         |  |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-2-15 (E211049-08) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| <b>Trichloroethene</b>   | <b>510</b> | <b>5.5</b>      | ug/m3 | 1               | EK23015 | 30-Nov-22 | 30-Nov-22 | EPA TO-15 |       |
| 1,2-Dichloropropane  | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene  | ND         | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>450</b> | <b>6.9</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene  | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |
| o-Xylene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| Bromoform  | ND         | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND         | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND         | 54              | "     | "               | "       | "         | "         | "         |       |
| <hr/>  |            |                 |       |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4   |            | 123 %           |       | 76-134          | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8  |            | 106 %           |       | 78-125          | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene  |            | 83.7 %          |       | 77-127          | "       | "         | "         | "         |       |

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Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-2-5 (E211049-09) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)  | ND         | 5.5             | ug/m3 | 1               | EK23015 | 30-Nov-22 | 30-Nov-22 | EPA TO-15 |       |
| Dichlorodifluoromethane (F12)   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane   | ND         | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)  | ND         | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride  | ND         | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane  | ND         | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane  | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                     | <b>23</b>  | 5.6             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethene  | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                            | <b>72</b>  | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)                                    | ND         | 3.5             | "     | "               | "       | "         | "         | "         |       |
| <b>Carbon disulfide</b>   | <b>7.5</b> | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene  | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane  | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)  | ND         | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene  | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| Chloroform  | ND         | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)  | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| Benzene   | ND         | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride  | ND         | 6.4             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichloroethene</b>  | <b>48</b>  | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane   | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene   | ND         | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>110</b> | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene   | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |

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Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-2-5 (E211049-09) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene  | ND     | 4.4             | ug/m3 | 1               | EK23015 | 30-Nov-22 | 30-Nov-22 | EPA TO-15 |       |
| Bromoform   | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

125 % 76-134 " " " "  
110 % 78-125 " " " "  
84.1 % 77-127 " " " "

**VP-3-15 (E211049-10) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22**

|  |            |     |       |   |         |           |           |           |  |
|--|------------|-----|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND         | 5.5 | ug/m3 | 1 | EK23015 | 30-Nov-22 | 30-Nov-22 | EPA TO-15 |  |
| <b>Dichlorodifluoromethane (F12)</b>         | <b>7.9</b> | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND         | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND         | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND         | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND         | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>66</b>  | 5.6 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethene                           | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>140</b> | 7.7 | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)         | ND         | 3.5 | "     | " | "       | "         | "         | "         |  |
| Carbon disulfide                             | ND         | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| 2-Butanone (MEK)                             | ND         | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>Chloroform</b>                            | <b>23</b>  | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                        | ND         | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)                     | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| Benzene                                      | ND         | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND         | 6.4 | "     | " | "       | "         | "         | "         |  |

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08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-3-15 (E211049-10) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| <b>Trichloroethene</b>   | <b>250</b> | <b>5.5</b>      | ug/m3 | 1               | EK23015 | 30-Nov-22 | 30-Nov-22 | EPA TO-15 |       |
| 1,2-Dichloropropane  | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene  | ND         | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>240</b> | <b>6.9</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene  | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |
| o-Xylene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| Bromoform  | ND         | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND         | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND         | 54              | "     | "               | "       | "         | "         | "         |       |
| <hr/>  |            |                 |       |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4   |            | 124 %           |       | 76-134          | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8  |            | 108 %           |       | 78-125          | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene  |            | 83.0 %          |       | 77-127          | "       | "         | "         | "         |       |

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**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-3-5 (E211049-11) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| <b>1,1-Difluoroethane (LCC)</b>   | <b>14</b>  | <b>5.5</b>      | ug/m3 | 1               | EK23015 | 30-Nov-22 | 01-Dec-22 | EPA TO-15 |       |
| Dichlorodifluoromethane (F12)   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane   | ND         | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)  | ND         | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride  | ND         | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane  | ND         | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane  | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                     | <b>5.9</b> | <b>5.6</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethene  | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                            | <b>8.3</b> | <b>7.7</b>      | "     | "               | "       | "         | "         | "         |       |
| <b>Methylene chloride (Dichloromethane)</b>                             | <b>9.1</b> | <b>3.5</b>      | "     | "               | "       | "         | "         | "         |       |
| <b>Carbon disulfide</b>   | <b>19</b>  | <b>6.3</b>      | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene  | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane  | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)  | ND         | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene  | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Chloroform</b>   | <b>11</b>  | <b>4.9</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)  | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| <b>Benzene</b>  | <b>6.7</b> | <b>3.2</b>      | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride  | ND         | 6.4             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichloroethene</b>  | <b>28</b>  | <b>5.5</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane   | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>  | <b>14</b>  | <b>3.8</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>12</b>  | <b>6.9</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene   | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-3-5 (E211049-11) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene  | ND     | 4.4             | ug/m3 | 1               | EK23015 | 30-Nov-22 | 01-Dec-22 | EPA TO-15 |       |
| Bromoform   | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

124 % 76-134 " " " "  
109 % 78-125 " " " "  
85.9 % 77-127 " " " "

**VP-11-15 (E211049-12) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22**

|  |            |     |       |   |         |           |           |           |  |
|--|------------|-----|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND         | 5.5 | ug/m3 | 1 | EK23015 | 30-Nov-22 | 01-Dec-22 | EPA TO-15 |  |
| <b>Dichlorodifluoromethane (F12)</b>         | <b>7.9</b> | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND         | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND         | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND         | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND         | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>90</b>  | 5.6 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethene                           | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>240</b> | 7.7 | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)         | ND         | 3.5 | "     | " | "       | "         | "         | "         |  |
| Carbon disulfide                             | ND         | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| 2-Butanone (MEK)                             | ND         | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| Chloroform                                   | ND         | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                        | ND         | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)                     | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| Benzene                                      | ND         | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND         | 6.4 | "     | " | "       | "         | "         | "         |  |

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Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-11-15 (E211049-12) Vapor    Sampled: 16-Nov-22    Received: 16-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| <b>Trichloroethene</b>  | <b>770</b> | <b>5.5</b>      | ug/m3 | 1               | EK23015 | 30-Nov-22 | 01-Dec-22 | EPA TO-15 |       |
| 1,2-Dichloropropane   | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene   | ND         | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>460</b> | <b>6.9</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene   | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |
| o-Xylene  | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| Bromoform   | ND         | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND         | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND         | 54              | "     | "               | "       | "         | "         | "         |       |
| <hr/>   |            |                 |       |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4  |            | 124 %           |       | 76-134          | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8   |            | 106 %           |       | 78-125          | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene   |            | 83.2 %          |       | 77-127          | "       | "         | "         | "         |       |

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Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-11-5 (E211049-13) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)   | ND         | 5.5             | ug/m3 | 1               | EK23015 | 30-Nov-22 | 01-Dec-22 | EPA TO-15 |       |
| <b>Dichlorodifluoromethane (F12)</b>                                     | <b>5.3</b> | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane  | ND         | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)   | ND         | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride   | ND         | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane   | ND         | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane   | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                      | <b>34</b>  | 5.6             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethene   | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                             | <b>95</b>  | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)                                     | ND         | 3.5             | "     | "               | "       | "         | "         | "         |       |
| Carbon disulfide   | ND         | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene   | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane   | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)   | ND         | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene   | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| Chloroform   | ND         | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane  | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)   | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| Benzene  | ND         | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride   | ND         | 6.4             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichloroethene</b>   | <b>29</b>  | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane  | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene  | ND         | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>89</b>  | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene  | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |

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08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-11-5 (E211049-13) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene   | ND     | 4.4             | ug/m3 | 1               | EK23015 | 30-Nov-22 | 01-Dec-22 | EPA TO-15 |       |
| Bromoform  | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

122 % 76-134 " " " "  
110 % 78-125 " " " "  
81.8 % 77-127 " " " "

**VP-10-15 (E211049-14) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22**

|  |            |     |       |   |         |           |           |           |  |
|--|------------|-----|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND         | 5.5 | ug/m3 | 1 | EK23015 | 30-Nov-22 | 01-Dec-22 | EPA TO-15 |  |
| <b>Dichlorodifluoromethane (F12)</b>         | <b>6.3</b> | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND         | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND         | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND         | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND         | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>51</b>  | 5.6 | "     | " | "       | "         | "         | "         |  |
| <b>1,1-Dichloroethene</b>                    | <b>17</b>  | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>99</b>  | 7.7 | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)         | ND         | 3.5 | "     | " | "       | "         | "         | "         |  |
| <b>Carbon disulfide</b>                      | <b>13</b>  | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| 2-Butanone (MEK)                             | ND         | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| Chloroform                                   | ND         | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                        | ND         | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)                     | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| Benzene                                      | ND         | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND         | 6.4 | "     | " | "       | "         | "         | "         |  |

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**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-10-15 (E211049-14) Vapor    Sampled: 16-Nov-22    Received: 16-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| <b>Trichloroethene</b>  | <b>430</b> | <b>5.5</b>      | ug/m3 | 1               | EK23015 | 30-Nov-22 | 01-Dec-22 | EPA TO-15 |       |
| 1,2-Dichloropropane   | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>  | <b>4.3</b> | <b>3.8</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>270</b> | <b>6.9</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene   | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |
| o-Xylene  | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| Bromoform   | ND         | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND         | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND         | 54              | "     | "               | "       | "         | "         | "         |       |
| <hr/>   |            |                 |       |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4  |            | 124 %           |       | 76-134          | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8   |            | 106 %           |       | 78-125          | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene   |            | 80.6 %          |       | 77-127          | "       | "         | "         | "         |       |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-10-5 (E211049-15) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)   | ND         | 5.5             | ug/m3 | 1               | EK23015 | 30-Nov-22 | 01-Dec-22 | EPA TO-15 |       |
| Dichlorodifluoromethane (F12)  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane  | ND         | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)   | ND         | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride   | ND         | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane   | ND         | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane   | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                      | <b>23</b>  | 5.6             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethene   | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                             | <b>37</b>  | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)                                     | ND         | 3.5             | "     | "               | "       | "         | "         | "         |       |
| <b>Carbon disulfide</b>  | <b>8.0</b> | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene   | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane   | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)   | ND         | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene   | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| Chloroform   | ND         | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane  | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)   | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| <b>Benzene</b>   | <b>3.5</b> | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride   | ND         | 6.4             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichloroethene</b>   | <b>70</b>  | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane  | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene  | ND         | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>80</b>  | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene  | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |

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08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-10-5 (E211049-15) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene   | ND     | 4.4             | ug/m3 | 1               | EK23015 | 30-Nov-22 | 01-Dec-22 | EPA TO-15 |       |
| Bromoform  | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

125 % 76-134 " " " "  
110 % 78-125 " " " "  
81.6 % 77-127 " " " "

**VP-17-15 (E211049-16) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22**

|  |           |     |       |   |         |           |           |           |  |
|--|-----------|-----|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND        | 5.5 | ug/m3 | 1 | EK23015 | 30-Nov-22 | 01-Dec-22 | EPA TO-15 |  |
| Dichlorodifluoromethane (F12)                | ND        | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND        | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND        | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND        | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND        | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND        | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>19</b> | 5.6 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethene                           | ND        | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>49</b> | 7.7 | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)         | ND        | 3.5 | "     | " | "       | "         | "         | "         |  |
| <b>Carbon disulfide</b>                      | <b>11</b> | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND        | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND        | 4.1 | "     | " | "       | "         | "         | "         |  |
| <b>2-Butanone (MEK)</b>                      | <b>39</b> | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND        | 4.0 | "     | " | "       | "         | "         | "         |  |
| Chloroform                                   | ND        | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                        | ND        | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)                     | ND        | 4.1 | "     | " | "       | "         | "         | "         |  |
| Benzene                                      | ND        | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND        | 6.4 | "     | " | "       | "         | "         | "         |  |

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08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-17-15 (E211049-16) Vapor    Sampled: 16-Nov-22    Received: 16-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| <b>Trichloroethene</b>  | <b>290</b> | <b>5.5</b>      | ug/m3 | 1               | EK23015 | 30-Nov-22 | 01-Dec-22 | EPA TO-15 |       |
| 1,2-Dichloropropane   | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>  | <b>6.6</b> | <b>3.8</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>180</b> | <b>6.9</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene   | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |
| o-Xylene  | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| Bromoform   | ND         | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND         | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND         | 54              | "     | "               | "       | "         | "         | "         |       |
| <hr/>   |            |                 |       |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4  |            | 129 %           |       | 76-134          | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8   |            | 103 %           |       | 78-125          | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene   |            | 81.9 %          |       | 77-127          | "       | "         | "         | "         |       |

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08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-17-5 (E211049-17) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)   | ND         | 5.5             | ug/m3 | 1               | EK23015 | 30-Nov-22 | 01-Dec-22 | EPA TO-15 |       |
| Dichlorodifluoromethane (F12)  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane  | ND         | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)   | ND         | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride   | ND         | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane   | ND         | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane   | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                      | <b>11</b>  | 5.6             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethene   | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                             | <b>23</b>  | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)                                     | ND         | 3.5             | "     | "               | "       | "         | "         | "         |       |
| <b>Carbon disulfide</b>  | <b>9.3</b> | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene   | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane   | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)   | ND         | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene   | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| Chloroform   | ND         | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane  | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)   | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| Benzene  | ND         | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride   | ND         | 6.4             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichloroethene</b>   | <b>55</b>  | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane  | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>   | <b>6.5</b> | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>76</b>  | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene  | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |

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Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-17-5 (E211049-17) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene   | ND     | 4.4             | ug/m3 | 1               | EK23015 | 30-Nov-22 | 01-Dec-22 | EPA TO-15 |       |
| Bromoform  | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

127 % 76-134  
111 % 78-125  
82.4 % 77-127

" " " " " " " "

**VP-17-5 Rep (E211049-18) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22**

|  |           |     |       |   |         |           |           |           |  |
|--|-----------|-----|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND        | 5.5 | ug/m3 | 1 | EK23015 | 30-Nov-22 | 01-Dec-22 | EPA TO-15 |  |
| Dichlorodifluoromethane (F12)                | ND        | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND        | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND        | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND        | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND        | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND        | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>19</b> | 5.6 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethene                           | ND        | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>51</b> | 7.7 | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)         | ND        | 3.5 | "     | " | "       | "         | "         | "         |  |
| <b>Carbon disulfide</b>                      | <b>12</b> | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND        | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND        | 4.1 | "     | " | "       | "         | "         | "         |  |
| <b>2-Butanone (MEK)</b>                      | <b>74</b> | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND        | 4.0 | "     | " | "       | "         | "         | "         |  |
| Chloroform                                   | ND        | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                        | ND        | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)                     | ND        | 4.1 | "     | " | "       | "         | "         | "         |  |
| Benzene                                      | ND        | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND        | 6.4 | "     | " | "       | "         | "         | "         |  |

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08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result     | Reporting Limit | Units  | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|------------|-----------------|--------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-17-5 Rep (E211049-18) Vapor    Sampled: 16-Nov-22    Received: 16-Nov-22</b> |            |                 |        |                 |         |           |           |           |       |
| <b>Trichloroethene</b>   | <b>300</b> | <b>5.5</b>      | ug/m3  | 1               | EK23015 | 30-Nov-22 | 01-Dec-22 | EPA TO-15 |       |
| 1,2-Dichloropropane  | ND         | 9.4             | "      | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND         | 6.8             | "      | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND         | 4.6             | "      | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND         | 8.3             | "      | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND         | 4.6             | "      | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>   | <b>6.7</b> | <b>3.8</b>      | "      | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.5             | "      | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND         | 8.3             | "      | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND         | 8.6             | "      | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>180</b> | <b>6.9</b>      | "      | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND         | 7.8             | "      | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 7.0             | "      | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND         | 4.7             | "      | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND         | 4.4             | "      | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND         | 8.8             | "      | "               | "       | "         | "         | "         |       |
| Styrene  | ND         | 4.3             | "      | "               | "       | "         | "         | "         |       |
| o-Xylene   | ND         | 4.4             | "      | "               | "       | "         | "         | "         |       |
| Bromoform  | ND         | 10              | "      | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND         | 7.0             | "      | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND         | 38              | "      | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND         | 54              | "      | "               | "       | "         | "         | "         |       |
| <hr/>  |            |                 |        |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4   |            | 125 %           | 76-134 |                 | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8  |            | 101 %           | 78-125 |                 | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene  |            | 79.6 %          | 77-127 |                 | "       | "         | "         | "         |       |

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**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-18-15 (E211049-19) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)  | ND         | 5.5             | ug/m3 | 1               | EK23015 | 30-Nov-22 | 01-Dec-22 | EPA TO-15 |       |
| Dichlorodifluoromethane (F12)   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane   | ND         | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)  | ND         | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride  | ND         | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane  | ND         | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane  | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                       | <b>79</b>  | 5.6             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethene  | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                              | <b>43</b>  | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)                                      | ND         | 3.5             | "     | "               | "       | "         | "         | "         |       |
| <b>Carbon disulfide</b>   | <b>16</b>  | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene  | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane  | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| <b>2-Butanone (MEK)</b>   | <b>100</b> | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene  | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| Chloroform  | ND         | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)  | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| Benzene   | ND         | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride  | ND         | 6.4             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichloroethene</b>  | <b>110</b> | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane   | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>  | <b>6.6</b> | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>200</b> | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene   | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |

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**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-18-15 (E211049-19) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene  | ND     | 4.4             | ug/m3 | 1               | EK23015 | 30-Nov-22 | 01-Dec-22 | EPA TO-15 |       |
| Bromoform   | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

127 % 76-134  
106 % 78-125  
83.3 % 77-127

" " "  
" " "  
" " "

**VP-18-5 (E211049-20) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22**

|  |           |     |       |   |         |           |           |           |  |
|--|-----------|-----|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND        | 5.5 | ug/m3 | 1 | EK23015 | 30-Nov-22 | 01-Dec-22 | EPA TO-15 |  |
| Dichlorodifluoromethane (F12)                | ND        | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND        | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND        | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND        | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND        | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND        | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>41</b> | 5.6 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethene                           | ND        | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>14</b> | 7.7 | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)         | ND        | 3.5 | "     | " | "       | "         | "         | "         |  |
| Carbon disulfide                             | ND        | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND        | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND        | 4.1 | "     | " | "       | "         | "         | "         |  |
| 2-Butanone (MEK)                             | ND        | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND        | 4.0 | "     | " | "       | "         | "         | "         |  |
| Chloroform                                   | ND        | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                        | ND        | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)                     | ND        | 4.1 | "     | " | "       | "         | "         | "         |  |
| Benzene                                      | ND        | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND        | 6.4 | "     | " | "       | "         | "         | "         |  |

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**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-18-5 (E211049-20) Vapor Sampled: 16-Nov-22 Received: 16-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| <b>Trichloroethene</b>   | <b>7.6</b> | <b>5.5</b>      | ug/m3 | 1               | EK23015 | 30-Nov-22 | 01-Dec-22 | EPA TO-15 |       |
| 1,2-Dichloropropane  | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>   | <b>4.1</b> | <b>3.8</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>49</b>  | <b>6.9</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene  | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |
| o-Xylene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| Bromoform  | ND         | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND         | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND         | 54              | "     | "               | "       | "         | "         | "         |       |
| <hr/>  |            |                 |       |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4   |            | 128 %           |       | 76-134          | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8  |            | 111 %           |       | 78-125          | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene  |            | 82.2 %          |       | 77-127          | "       | "         | "         | "         |       |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result      | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|-------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-19-30 (E211050-01) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |             |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)  | ND          | 5.5             | ug/m3 | 1               | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |       |
| Dichlorodifluoromethane (F12)   | ND          | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane   | ND          | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)  | ND          | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride  | ND          | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane  | ND          | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane  | ND          | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                       | <b>64</b>   | 5.6             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1-Dichloroethene</b>   | <b>26</b>   | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                              | <b>180</b>  | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)                                      | ND          | 3.5             | "     | "               | "       | "         | "         | "         |       |
| Carbon disulfide  | ND          | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene  | ND          | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane  | ND          | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)  | ND          | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene  | ND          | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Chloroform</b>   | <b>7.5</b>  | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane   | ND          | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)  | ND          | 4.1             | "     | "               | "       | "         | "         | "         |       |
| Benzene   | ND          | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride  | ND          | 6.4             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichloroethene</b>  | <b>1500</b> | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane   | ND          | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND          | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND          | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND          | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND          | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene   | ND          | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND          | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND          | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND          | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>840</b>  | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND          | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND          | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND          | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND          | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND          | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene   | ND          | 4.3             | "     | "               | "       | "         | "         | "         |       |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-19-30 (E211050-01) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene  | ND     | 4.4             | ug/m3 | 1               | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |       |
| Bromoform   | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

97.4 % 76-134 " " " "  
100 % 78-125 " " " "  
99.5 % 77-127 " " " "

**VP-19-15 (E211050-02) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22**

|  |            |     |       |   |         |           |           |           |  |
|--|------------|-----|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND         | 5.5 | ug/m3 | 1 | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |  |
| Dichlorodifluoromethane (F12)                | ND         | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND         | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND         | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND         | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND         | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>52</b>  | 5.6 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethene                           | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>100</b> | 7.7 | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)         | ND         | 3.5 | "     | " | "       | "         | "         | "         |  |
| <b>Carbon disulfide</b>                      | <b>71</b>  | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| 2-Butanone (MEK)                             | ND         | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| Chloroform                                   | ND         | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                        | ND         | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)                     | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| <b>Benzene</b>                               | <b>4.9</b> | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND         | 6.4 | "     | " | "       | "         | "         | "         |  |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
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Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result     | Reporting Limit | Units  | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|------------|-----------------|--------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-19-15 (E211050-02) Vapor    Sampled: 17-Nov-22    Received: 17-Nov-22</b> |            |                 |        |                 |         |           |           |           |       |
| <b>Trichloroethene</b>  | <b>380</b> | <b>5.5</b>      | ug/m3  | 1               | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |       |
| 1,2-Dichloropropane   | ND         | 9.4             | "      | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND         | 6.8             | "      | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND         | 4.6             | "      | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND         | 8.3             | "      | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND         | 4.6             | "      | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>  | <b>10</b>  | <b>3.8</b>      | "      | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND         | 5.5             | "      | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND         | 8.3             | "      | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND         | 8.6             | "      | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>420</b> | <b>6.9</b>      | "      | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND         | 7.8             | "      | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND         | 7.0             | "      | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND         | 4.7             | "      | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND         | 4.4             | "      | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND         | 8.8             | "      | "               | "       | "         | "         | "         |       |
| Styrene   | ND         | 4.3             | "      | "               | "       | "         | "         | "         |       |
| o-Xylene  | ND         | 4.4             | "      | "               | "       | "         | "         | "         |       |
| Bromoform   | ND         | 10              | "      | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND         | 7.0             | "      | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND         | 38              | "      | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND         | 54              | "      | "               | "       | "         | "         | "         |       |
| <hr/>   |            |                 |        |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4  |            | 98.2 %          | 76-134 |                 | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8   |            | 97.3 %          | 78-125 |                 | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene   |            | 100 %           | 77-127 |                 | "       | "         | "         | "         |       |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-19-5 (E211050-03) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)   | ND         | 5.5             | ug/m3 | 1               | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |       |
| Dichlorodifluoromethane (F12)  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane  | ND         | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)   | ND         | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride   | ND         | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane   | ND         | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane   | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                      | <b>11</b>  | 5.6             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethene   | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                             | <b>32</b>  | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)                                     | ND         | 3.5             | "     | "               | "       | "         | "         | "         |       |
| <b>Carbon disulfide</b>  | <b>44</b>  | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene   | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane   | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)   | ND         | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene   | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| Chloroform   | ND         | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane  | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)   | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| <b>Benzene</b>   | <b>8.1</b> | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride   | ND         | 6.4             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichloroethene</b>   | <b>41</b>  | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane  | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>   | <b>6.5</b> | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>91</b>  | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene  | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |

GSI Environmental, Inc  
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Project: GSI111722-10  
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Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-19-5 (E211050-03) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene   | ND     | 4.4             | ug/m3 | 1               | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |       |
| Bromoform  | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

94.1 % 76-134 " " " "  
97.8 % 78-125 " " " "  
102 % 77-127 " " " "

**VP-20-30 (E211050-04) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22**

|  |            |     |       |   |         |           |           |           |  |
|--|------------|-----|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND         | 5.5 | ug/m3 | 1 | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |  |
| <b>Dichlorodifluoromethane (F12)</b>         | <b>8.9</b> | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND         | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND         | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND         | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND         | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>130</b> | 5.6 | "     | " | "       | "         | "         | "         |  |
| <b>1,1-Dichloroethene</b>                    | <b>32</b>  | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>130</b> | 7.7 | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)         | ND         | 3.5 | "     | " | "       | "         | "         | "         |  |
| Carbon disulfide                             | ND         | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| 2-Butanone (MEK)                             | ND         | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>Chloroform</b>                            | <b>21</b>  | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                        | ND         | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)                     | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| Benzene                                      | ND         | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND         | 6.4 | "     | " | "       | "         | "         | "         |  |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result      | Reporting Limit | Units  | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|-------------|-----------------|--------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-20-30 (E211050-04) Vapor    Sampled: 17-Nov-22    Received: 17-Nov-22</b> |             |                 |        |                 |         |           |           |           |       |
| <b>Trichloroethene</b>  | <b>1600</b> | <b>5.5</b>      | ug/m3  | 1               | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |       |
| 1,2-Dichloropropane   | ND          | 9.4             | "      | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND          | 6.8             | "      | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND          | 4.6             | "      | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND          | 8.3             | "      | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND          | 4.6             | "      | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>  | <b>4.3</b>  | <b>3.8</b>      | "      | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND          | 5.5             | "      | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND          | 8.3             | "      | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND          | 8.6             | "      | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>710</b>  | <b>6.9</b>      | "      | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND          | 7.8             | "      | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND          | 7.0             | "      | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND          | 4.7             | "      | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND          | 4.4             | "      | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND          | 8.8             | "      | "               | "       | "         | "         | "         |       |
| Styrene   | ND          | 4.3             | "      | "               | "       | "         | "         | "         |       |
| o-Xylene  | ND          | 4.4             | "      | "               | "       | "         | "         | "         |       |
| Bromoform   | ND          | 10              | "      | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND          | 7.0             | "      | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND          | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND          | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND          | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND          | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND          | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND          | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND          | 38              | "      | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND          | 54              | "      | "               | "       | "         | "         | "         |       |
| <hr/>   |             |                 |        |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4  |             | 98.8 %          | 76-134 | "               | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8   |             | 99.0 %          | 78-125 | "               | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene   |             | 97.1 %          | 77-127 | "               | "       | "         | "         | "         |       |

GSI Environmental, Inc  
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Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result      | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|-------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-20-30 Rep (E211050-05) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |             |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)  | ND          | 5.5             | ug/m3 | 1               | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |       |
| <b>Dichlorodifluoromethane (F12)</b>  | <b>9.9</b>  | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane   | ND          | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)  | ND          | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride  | ND          | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane  | ND          | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane  | ND          | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>   | <b>160</b>  | 5.6             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1-Dichloroethene</b>   | <b>31</b>   | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                                  | <b>140</b>  | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)  | ND          | 3.5             | "     | "               | "       | "         | "         | "         |       |
| Carbon disulfide  | ND          | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene  | ND          | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane  | ND          | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)  | ND          | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene  | ND          | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Chloroform</b>   | <b>22</b>   | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane   | ND          | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)  | ND          | 4.1             | "     | "               | "       | "         | "         | "         |       |
| Benzene   | ND          | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride  | ND          | 6.4             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichloroethene</b>  | <b>1700</b> | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane   | ND          | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND          | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND          | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND          | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND          | 4.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>  | <b>5.0</b>  | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND          | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND          | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND          | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>750</b>  | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND          | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND          | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND          | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND          | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND          | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene   | ND          | 4.3             | "     | "               | "       | "         | "         | "         |       |

GSI Environmental, Inc  
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Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-20-30 Rep (E211050-05) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene  | ND     | 4.4             | ug/m3 | 1               | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |       |
| Bromoform   | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

98.4 % 76-134 " " " "  
98.4 % 78-125 " " " "  
95.6 % 77-127 " " " "

**VP-20-15 (E211050-06) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22**

|  |            |     |       |   |         |           |           |           |  |
|--|------------|-----|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND         | 5.5 | ug/m3 | 1 | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |  |
| <b>Dichlorodifluoromethane (F12)</b>         | <b>6.9</b> | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND         | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND         | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND         | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND         | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>82</b>  | 5.6 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethene                           | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>73</b>  | 7.7 | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)         | ND         | 3.5 | "     | " | "       | "         | "         | "         |  |
| Carbon disulfide                             | ND         | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| 2-Butanone (MEK)                             | ND         | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>Chloroform</b>                            | <b>6.7</b> | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                        | ND         | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)                     | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| Benzene                                      | ND         | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND         | 6.4 | "     | " | "       | "         | "         | "         |  |

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Project: GSI111722-10  
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Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result     | Reporting Limit | Units  | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|------------|-----------------|--------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-20-15 (E211050-06) Vapor    Sampled: 17-Nov-22    Received: 17-Nov-22</b> |            |                 |        |                 |         |           |           |           |       |
| <b>Trichloroethene</b>  | <b>650</b> | <b>5.5</b>      | ug/m3  | 1               | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |       |
| 1,2-Dichloropropane   | ND         | 9.4             | "      | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND         | 6.8             | "      | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND         | 4.6             | "      | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND         | 8.3             | "      | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND         | 4.6             | "      | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>  | <b>4.4</b> | <b>3.8</b>      | "      | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND         | 5.5             | "      | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND         | 8.3             | "      | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND         | 8.6             | "      | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>450</b> | <b>6.9</b>      | "      | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND         | 7.8             | "      | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND         | 7.0             | "      | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND         | 4.7             | "      | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND         | 4.4             | "      | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND         | 8.8             | "      | "               | "       | "         | "         | "         |       |
| Styrene   | ND         | 4.3             | "      | "               | "       | "         | "         | "         |       |
| o-Xylene  | ND         | 4.4             | "      | "               | "       | "         | "         | "         |       |
| Bromoform   | ND         | 10              | "      | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND         | 7.0             | "      | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND         | 38              | "      | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND         | 54              | "      | "               | "       | "         | "         | "         |       |
| <hr/>   |            |                 |        |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4  |            | 98.8 %          | 76-134 |                 | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8   |            | 94.9 %          | 78-125 |                 | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene   |            | 101 %           | 77-127 |                 | "       | "         | "         | "         |       |

GSI Environmental, Inc  
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Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result    | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|-----------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-20-5 (E211050-07) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |           |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)   | ND        | 5.5             | ug/m3 | 1               | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |       |
| Dichlorodifluoromethane (F12)  | ND        | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane  | ND        | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)   | ND        | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride   | ND        | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane   | ND        | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane   | ND        | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                      | <b>22</b> | 5.6             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethene   | ND        | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                             | <b>19</b> | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)                                     | ND        | 3.5             | "     | "               | "       | "         | "         | "         |       |
| Carbon disulfide   | ND        | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene   | ND        | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane   | ND        | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)   | ND        | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene   | ND        | 4.0             | "     | "               | "       | "         | "         | "         |       |
| Chloroform   | ND        | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane  | ND        | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)   | ND        | 4.1             | "     | "               | "       | "         | "         | "         |       |
| Benzene  | ND        | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride   | ND        | 6.4             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichloroethene</b>   | <b>51</b> | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane  | ND        | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND        | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND        | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND        | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND        | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene  | ND        | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND        | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND        | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND        | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>91</b> | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND        | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND        | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND        | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND        | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND        | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene  | ND        | 4.3             | "     | "               | "       | "         | "         | "         |       |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-20-5 (E211050-07) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene   | ND     | 4.4             | ug/m3 | 1               | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |       |
| Bromoform  | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

96.0 % 76-134 " " " "  
98.4 % 78-125 " " " "  
96.6 % 77-127 " " " "

**VP-12-15 (E211050-08) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22**

|  |            |     |       |   |         |           |           |           |  |
|--|------------|-----|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND         | 5.5 | ug/m3 | 1 | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |  |
| <b>Dichlorodifluoromethane (F12)</b>         | <b>8.7</b> | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND         | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND         | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND         | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND         | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>100</b> | 5.6 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethene                           | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>50</b>  | 7.7 | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)         | ND         | 3.5 | "     | " | "       | "         | "         | "         |  |
| <b>Carbon disulfide</b>                      | <b>13</b>  | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| 2-Butanone (MEK)                             | ND         | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| Chloroform                                   | ND         | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                        | ND         | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)                     | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| Benzene                                      | ND         | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND         | 6.4 | "     | " | "       | "         | "         | "         |  |

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Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-12-15 (E211050-08) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| <b>Trichloroethene</b>  | <b>73</b>  | <b>5.5</b>      | ug/m3 | 1               | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |       |
| 1,2-Dichloropropane   | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene   | ND         | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>210</b> | <b>6.9</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene   | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |
| o-Xylene  | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| Bromoform   | ND         | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND         | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND         | 54              | "     | "               | "       | "         | "         | "         |       |
| <hr/>   |            |                 |       |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4  |            | 101 %           |       | 76-134          | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8   |            | 98.7 %          |       | 78-125          | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene   |            | 99.6 %          |       | 77-127          | "       | "         | "         | "         |       |

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Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result    | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|-----------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-12-5 (E211050-09) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |           |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)   | ND        | 5.5             | ug/m3 | 1               | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |       |
| Dichlorodifluoromethane (F12)  | ND        | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane  | ND        | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)   | ND        | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride   | ND        | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane   | ND        | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane   | ND        | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                      | <b>68</b> | 5.6             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethene   | ND        | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                             | <b>27</b> | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)                                     | ND        | 3.5             | "     | "               | "       | "         | "         | "         |       |
| Carbon disulfide   | ND        | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene   | ND        | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane   | ND        | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)   | ND        | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene   | ND        | 4.0             | "     | "               | "       | "         | "         | "         |       |
| Chloroform   | ND        | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane  | ND        | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)   | ND        | 4.1             | "     | "               | "       | "         | "         | "         |       |
| Benzene  | ND        | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride   | ND        | 6.4             | "     | "               | "       | "         | "         | "         |       |
| Trichloroethene  | ND        | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane  | ND        | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND        | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND        | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND        | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND        | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene  | ND        | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND        | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND        | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND        | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>94</b> | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND        | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND        | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND        | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND        | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND        | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene  | ND        | 4.3             | "     | "               | "       | "         | "         | "         |       |

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08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-12-5 (E211050-09) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene   | ND     | 4.4             | ug/m3 | 1               | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |       |
| Bromoform  | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

96.3 % 76-134 "  
98.4 % 78-125 "  
101 % 77-127 "

**VP-12-30 (E211050-10) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22**

|  |            |     |       |   |         |           |           |           |  |
|--|------------|-----|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND         | 5.5 | ug/m3 | 1 | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |  |
| <b>Dichlorodifluoromethane (F12)</b>         | <b>10</b>  | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND         | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND         | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND         | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND         | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>230</b> | 5.6 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethene                           | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>79</b>  | 7.7 | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)         | ND         | 3.5 | "     | " | "       | "         | "         | "         |  |
| Carbon disulfide                             | ND         | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| <b>2-Butanone (MEK)</b>                      | <b>32</b>  | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| Chloroform                                   | ND         | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                        | ND         | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)                     | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| Benzene                                      | ND         | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND         | 6.4 | "     | " | "       | "         | "         | "         |  |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result     | Reporting Limit | Units  | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|------------|-----------------|--------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-12-30 (E211050-10) Vapor    Sampled: 17-Nov-22    Received: 17-Nov-22</b> |            |                 |        |                 |         |           |           |           |       |
| <b>Trichloroethene</b>  | <b>310</b> | <b>5.5</b>      | ug/m3  | 1               | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |       |
| 1,2-Dichloropropane   | ND         | 9.4             | "      | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND         | 6.8             | "      | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND         | 4.6             | "      | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND         | 8.3             | "      | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND         | 4.6             | "      | "               | "       | "         | "         | "         |       |
| Toluene   | ND         | 3.8             | "      | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND         | 5.5             | "      | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND         | 8.3             | "      | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND         | 8.6             | "      | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>330</b> | <b>6.9</b>      | "      | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND         | 7.8             | "      | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND         | 7.0             | "      | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND         | 4.7             | "      | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND         | 4.4             | "      | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND         | 8.8             | "      | "               | "       | "         | "         | "         |       |
| Styrene   | ND         | 4.3             | "      | "               | "       | "         | "         | "         |       |
| o-Xylene  | ND         | 4.4             | "      | "               | "       | "         | "         | "         |       |
| Bromoform   | ND         | 10              | "      | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND         | 7.0             | "      | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND         | 38              | "      | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND         | 54              | "      | "               | "       | "         | "         | "         |       |
| <hr/>   |            |                 |        |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4  |            | 96.6 %          | 76-134 |                 | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8   |            | 95.9 %          | 78-125 |                 | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene   |            | 99.4 %          | 77-127 |                 | "       | "         | "         | "         |       |

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**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte                                      | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-13-15 (E211050-11) Vapor</b>           |            |                 |       |                 |         |           |           |           |       |
| Sampled: 17-Nov-22                           |            |                 |       |                 |         |           |           |           |       |
| Received: 17-Nov-22                          |            |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)                     | ND         | 5.5             | ug/m3 | 1               | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |       |
| <b>Dichlorodifluoromethane (F12)</b>         | <b>8.2</b> | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane                                | ND         | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)             | ND         | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride                               | ND         | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane                                 | ND         | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane                                 | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>          | <b>410</b> | 5.6             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethene                           | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>22</b>  | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)         | ND         | 3.5             | "     | "               | "       | "         | "         | "         |       |
| Carbon disulfide                             | ND         | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene                     | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane                           | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)                             | ND         | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene                       | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| Chloroform                                   | ND         | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane                        | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)                     | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| Benzene                                      | ND         | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride                         | ND         | 6.4             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichloroethene</b>                       | <b>36</b>  | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane                          | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane                         | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene                      | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)                  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene                    | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene                                      | ND         | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane                        | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)                             | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane                         | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>                     | <b>120</b> | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)                      | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane                    | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene                                | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene                                 | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene                                   | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene                                      | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |

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08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-13-15 (E211050-11) Vapor    Sampled: 17-Nov-22    Received: 17-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene  | ND     | 4.4             | ug/m3 | 1               | EL20615 | 06-Dec-22 | 06-Dec-22 | EPA TO-15 |       |
| Bromoform   | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

96.7 %      76-134      "      "      "  
95.9 %      78-125      "      "      "  
98.4 %      77-127      "      "      "

**VP-13-5 (E211050-12) Vapor    Sampled: 17-Nov-22    Received: 17-Nov-22**

|  |            |     |       |   |         |           |           |           |  |
|--|------------|-----|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND         | 5.5 | ug/m3 | 1 | EL20615 | 06-Dec-22 | 07-Dec-22 | EPA TO-15 |  |
| Dichlorodifluoromethane (F12)                | ND         | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND         | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND         | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND         | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND         | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>180</b> | 5.6 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethene                           | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>14</b>  | 7.7 | "     | " | "       | "         | "         | "         |  |
| <b>Methylene chloride (Dichloromethane)</b>  | <b>3.6</b> | 3.5 | "     | " | "       | "         | "         | "         |  |
| <b>Carbon disulfide</b>                      | <b>32</b>  | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| 2-Butanone (MEK)                             | ND         | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| Chloroform                                   | ND         | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                        | ND         | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)                     | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| <b>Benzene</b>                               | <b>3.4</b> | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND         | 6.4 | "     | " | "       | "         | "         | "         |  |

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**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result     | Reporting Limit | Units  | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|------------|-----------------|--------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-13-5 (E211050-12) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |            |                 |        |                 |         |           |           |           |       |
| <b>Trichloroethene</b>   | <b>20</b>  | <b>5.5</b>      | ug/m3  | 1               | EL20615 | 06-Dec-22 | 07-Dec-22 | EPA TO-15 |       |
| 1,2-Dichloropropane  | ND         | 9.4             | "      | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND         | 6.8             | "      | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND         | 4.6             | "      | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND         | 8.3             | "      | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND         | 4.6             | "      | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>   | <b>6.9</b> | <b>3.8</b>      | "      | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.5             | "      | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND         | 8.3             | "      | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND         | 8.6             | "      | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>40</b>  | <b>6.9</b>      | "      | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND         | 7.8             | "      | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 7.0             | "      | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND         | 4.7             | "      | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND         | 4.4             | "      | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND         | 8.8             | "      | "               | "       | "         | "         | "         |       |
| Styrene  | ND         | 4.3             | "      | "               | "       | "         | "         | "         |       |
| o-Xylene   | ND         | 4.4             | "      | "               | "       | "         | "         | "         |       |
| Bromoform  | ND         | 10              | "      | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND         | 7.0             | "      | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND         | 38              | "      | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND         | 54              | "      | "               | "       | "         | "         | "         |       |
| <hr/>  |            |                 |        |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4   |            | 96.7 %          | 76-134 | "               | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8  |            | 97.4 %          | 78-125 | "               | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene  |            | 98.8 %          | 77-127 | "               | "       | "         | "         | "         |       |

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**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-14-22 (E211050-13) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)  | ND         | 5.5             | ug/m3 | 1               | EL20615 | 06-Dec-22 | 07-Dec-22 | EPA TO-15 |       |
| <b>Dichlorodifluoromethane (F12)</b>                                      | <b>13</b>  | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane   | ND         | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)  | ND         | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride  | ND         | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane  | ND         | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane  | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                       | <b>350</b> | 5.6             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethene  | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                              | <b>51</b>  | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)                                      | ND         | 3.5             | "     | "               | "       | "         | "         | "         |       |
| <b>Carbon disulfide</b>   | <b>16</b>  | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene  | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane  | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)  | ND         | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene  | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Chloroform</b>   | <b>8.5</b> | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)  | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| <b>Benzene</b>  | <b>3.8</b> | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride  | ND         | 6.4             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichloroethene</b>  | <b>360</b> | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane   | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>  | <b>8.7</b> | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>570</b> | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene   | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-14-22 (E211050-13) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene  | ND     | 4.4             | ug/m3 | 1               | EL20615 | 06-Dec-22 | 07-Dec-22 | EPA TO-15 |       |
| Bromoform   | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

96.5 % 76-134 "  
96.4 % 78-125 "  
101 % 77-127 "

**VP-14-15 (E211050-14) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22**

|  |            |     |       |   |         |           |           |           |  |
|--|------------|-----|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND         | 5.5 | ug/m3 | 1 | EL20615 | 06-Dec-22 | 07-Dec-22 | EPA TO-15 |  |
| <b>Dichlorodifluoromethane (F12)</b>         | <b>8.9</b> | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND         | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND         | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND         | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND         | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>200</b> | 5.6 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethene                           | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>23</b>  | 7.7 | "     | " | "       | "         | "         | "         |  |
| <b>Methylene chloride (Dichloromethane)</b>  | <b>3.6</b> | 3.5 | "     | " | "       | "         | "         | "         |  |
| Carbon disulfide                             | ND         | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| 2-Butanone (MEK)                             | ND         | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| Chloroform                                   | ND         | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                        | ND         | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)                     | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| <b>Benzene</b>                               | <b>6.5</b> | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND         | 6.4 | "     | " | "       | "         | "         | "         |  |

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08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result     | Reporting Limit | Units  | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|------------|-----------------|--------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-14-15 (E211050-14) Vapor    Sampled: 17-Nov-22    Received: 17-Nov-22</b> |            |                 |        |                 |         |           |           |           |       |
| <b>Trichloroethene</b>  | <b>120</b> | <b>5.5</b>      | ug/m3  | 1               | EL20615 | 06-Dec-22 | 07-Dec-22 | EPA TO-15 |       |
| 1,2-Dichloropropane   | ND         | 9.4             | "      | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND         | 6.8             | "      | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND         | 4.6             | "      | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND         | 8.3             | "      | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND         | 4.6             | "      | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>  | <b>27</b>  | <b>3.8</b>      | "      | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND         | 5.5             | "      | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND         | 8.3             | "      | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND         | 8.6             | "      | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>460</b> | <b>6.9</b>      | "      | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND         | 7.8             | "      | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND         | 7.0             | "      | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND         | 4.7             | "      | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND         | 4.4             | "      | "               | "       | "         | "         | "         |       |
| <b>m,p-Xylene</b>   | <b>17</b>  | <b>8.8</b>      | "      | "               | "       | "         | "         | "         |       |
| Styrene   | ND         | 4.3             | "      | "               | "       | "         | "         | "         |       |
| <b>o-Xylene</b>   | <b>6.4</b> | <b>4.4</b>      | "      | "               | "       | "         | "         | "         |       |
| Bromoform   | ND         | 10              | "      | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND         | 7.0             | "      | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| <b>1,2,4-Trimethylbenzene</b>   | <b>7.6</b> | <b>5.0</b>      | "      | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND         | 38              | "      | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND         | 54              | "      | "               | "       | "         | "         | "         |       |
| <hr/>   |            |                 |        |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4  |            | 95.3 %          | 76-134 |                 | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8   |            | 99.0 %          | 78-125 |                 | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene   |            | 105 %           | 77-127 |                 | "       | "         | "         | "         |       |

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08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-14-5 (E211050-15) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)   | ND         | 5.5             | ug/m3 | 1               | EL20615 | 06-Dec-22 | 07-Dec-22 | EPA TO-15 |       |
| <b>Dichlorodifluoromethane (F12)</b>                                     | <b>8.4</b> | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane  | ND         | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)   | ND         | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride   | ND         | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane   | ND         | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane   | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                      | <b>200</b> | 5.6             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethene   | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                             | <b>21</b>  | 7.7             | "     | "               | "       | "         | "         | "         |       |
| <b>Methylene chloride (Dichloromethane)</b>                              | <b>6.2</b> | 3.5             | "     | "               | "       | "         | "         | "         |       |
| <b>Carbon disulfide</b>  | <b>120</b> | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene   | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane   | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)   | ND         | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene   | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Chloroform</b>  | <b>5.9</b> | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane  | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)   | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| <b>Benzene</b>   | <b>15</b>  | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride   | ND         | 6.4             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichloroethene</b>   | <b>94</b>  | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane  | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>   | <b>77</b>  | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>160</b> | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| <b>Ethylbenzene</b>  | <b>6.3</b> | 4.4             | "     | "               | "       | "         | "         | "         |       |
| <b>m,p-Xylene</b>  | <b>13</b>  | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene  | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |

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08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-14-5 (E211050-15) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| <b>o-Xylene</b>  | <b>7.1</b> | <b>4.4</b>      | ug/m3 | 1               | EL20615 | 06-Dec-22 | 07-Dec-22 | EPA TO-15 |       |
| Bromoform  | ND         | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,2,4-Trimethylbenzene</b>  | <b>7.9</b> | <b>5.0</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND         | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND         | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

97.2 % 76-134 " " " "  
96.6 % 78-125 " " " "  
108 % 77-127 " " " "

**VP-4-15 (E211050-16) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22**

|  |           |            |       |   |         |           |           |           |  |
|--|-----------|------------|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND        | 5.5        | ug/m3 | 1 | EL20615 | 06-Dec-22 | 07-Dec-22 | EPA TO-15 |  |
| Dichlorodifluoromethane (F12)                | ND        | 5.0        | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND        | 2.1        | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND        | 7.1        | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND        | 2.6        | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND        | 16         | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND        | 8.0        | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>99</b> | <b>5.6</b> | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethene                           | ND        | 4.0        | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>26</b> | <b>7.7</b> | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)         | ND        | 3.5        | "     | " | "       | "         | "         | "         |  |
| Carbon disulfide                             | ND        | 6.3        | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND        | 8.0        | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND        | 4.1        | "     | " | "       | "         | "         | "         |  |
| 2-Butanone (MEK)                             | ND        | 30         | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND        | 4.0        | "     | " | "       | "         | "         | "         |  |
| Chloroform                                   | ND        | 4.9        | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                        | ND        | 5.5        | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)                     | ND        | 4.1        | "     | " | "       | "         | "         | "         |  |
| Benzene                                      | ND        | 3.2        | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND        | 6.4        | "     | " | "       | "         | "         | "         |  |

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**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-4-15 (E211050-16) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| <b>Trichloroethene</b>   | <b>13</b>  | <b>5.5</b>      | ug/m3 | 1               | EL20615 | 06-Dec-22 | 07-Dec-22 | EPA TO-15 |       |
| 1,2-Dichloropropane  | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene  | ND         | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>180</b> | <b>6.9</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene  | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |
| o-Xylene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| Bromoform  | ND         | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND         | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND         | 54              | "     | "               | "       | "         | "         | "         |       |
| <hr/>  |            |                 |       |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4   |            | 97.8 %          |       | 76-134          | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8  |            | 95.7 %          |       | 78-125          | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene  |            | 108 %           |       | 77-127          | "       | "         | "         | "         |       |

GSI Environmental, Inc  
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Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result    | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|-----------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-4-5 (E211050-17) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |           |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)  | ND        | 5.5             | ug/m3 | 1               | EL20716 | 07-Dec-22 | 07-Dec-22 | EPA TO-15 |       |
| Dichlorodifluoromethane (F12)   | ND        | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane   | ND        | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)  | ND        | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride  | ND        | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane  | ND        | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane  | ND        | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                     | <b>64</b> | 5.6             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethene  | ND        | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                            | <b>15</b> | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)                                    | ND        | 3.5             | "     | "               | "       | "         | "         | "         |       |
| <b>Carbon disulfide</b>   | <b>67</b> | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene  | ND        | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane  | ND        | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)  | ND        | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene  | ND        | 4.0             | "     | "               | "       | "         | "         | "         |       |
| Chloroform  | ND        | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane   | ND        | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)  | ND        | 4.1             | "     | "               | "       | "         | "         | "         |       |
| Benzene   | ND        | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride  | ND        | 6.4             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichloroethene</b>  | <b>19</b> | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane   | ND        | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND        | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND        | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND        | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND        | 4.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>  | <b>11</b> | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND        | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND        | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND        | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>35</b> | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND        | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND        | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND        | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND        | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND        | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene   | ND        | 4.3             | "     | "               | "       | "         | "         | "         |       |

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08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-4-5 (E211050-17) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene  | ND     | 4.4             | ug/m3 | 1               | EL20716 | 07-Dec-22 | 07-Dec-22 | EPA TO-15 |       |
| Bromoform   | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

|   |  |        |  |        |   |   |   |   |      |
|---|--|--------|--|--------|---|---|---|---|------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> |  | 102 %  |  | 76-134 | " | " | " | " |      |
| <i>Surrogate: Toluene-d8</i>            |  | 106 %  |  | 78-125 | " | " | " | " |      |
| <i>Surrogate: 4-Bromofluorobenzene</i>  |  | 74.3 % |  | 77-127 | " | " | " | " | S-GC |

|  |            |     |       |   |         |           |           |           |  |
|--|------------|-----|-------|---|---------|-----------|-----------|-----------|--|
| <b>VP-5-15 (E211050-18) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |            |     |       |   |         |           |           |           |  |
| 1,1-Difluoroethane (LCC)   | ND         | 5.5 | ug/m3 | 1 | EL20716 | 07-Dec-22 | 07-Dec-22 | EPA TO-15 |  |
| <b>Dichlorodifluoromethane (F12)</b>                                     | <b>6.7</b> | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane  | ND         | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)   | ND         | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride   | ND         | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane   | ND         | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane   | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>                                      | <b>220</b> | 5.6 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethene   | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                             | <b>20</b>  | 7.7 | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)                                     | ND         | 3.5 | "     | " | "       | "         | "         | "         |  |
| Carbon disulfide   | ND         | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene   | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane   | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| 2-Butanone (MEK)   | ND         | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene   | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| Chloroform   | ND         | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane  | ND         | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)   | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| Benzene  | ND         | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride   | ND         | 6.4 | "     | " | "       | "         | "         | "         |  |

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**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-5-15 (E211050-18) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| <b>Trichloroethene</b>   | <b>11</b>  | <b>5.5</b>      | ug/m3 | 1               | EL20716 | 07-Dec-22 | 07-Dec-22 | EPA TO-15 |       |
| 1,2-Dichloropropane  | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene  | ND         | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>110</b> | <b>6.9</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene  | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |
| o-Xylene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| Bromoform  | ND         | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND         | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND         | 54              | "     | "               | "       | "         | "         | "         |       |
| <hr/>  |            |                 |       |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4   |            | 101 %           |       | 76-134          | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8  |            | 106 %           |       | 78-125          | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene  |            | 75.2 %          |       | 77-127          | "       | "         | "         | "         | S-GC  |

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**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-5-5 (E211050-19) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)  | ND         | 5.5             | ug/m3 | 1               | EL20716 | 07-Dec-22 | 07-Dec-22 | EPA TO-15 |       |
| Dichlorodifluoromethane (F12)   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane   | ND         | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)  | ND         | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride  | ND         | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane  | ND         | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane  | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                     | <b>60</b>  | 5.6             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethene  | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichlorotrifluoroethane (F113)                                   | ND         | 7.7             | "     | "               | "       | "         | "         | "         |       |
| <b>Methylene chloride (Dichloromethane)</b>                             | <b>26</b>  | 3.5             | "     | "               | "       | "         | "         | "         |       |
| <b>Carbon disulfide</b>   | <b>71</b>  | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene  | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane  | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)  | ND         | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene  | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Chloroform</b>   | <b>17</b>  | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)  | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| <b>Benzene</b>  | <b>6.3</b> | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride  | ND         | 6.4             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichloroethene</b>  | <b>180</b> | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane   | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>  | <b>23</b>  | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>12</b>  | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene   | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-5-5 (E211050-19) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| <b>o-Xylene</b>   | <b>4.9</b> | <b>4.4</b>      | ug/m3 | 1               | EL20716 | 07-Dec-22 | 07-Dec-22 | EPA TO-15 | QL-1H |
| Bromoform   | ND         | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND         | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND         | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

102 % 76-134 " " " "  
110 % 78-125 " " " "  
78.1 % 77-127 " " " "

**VP-7-15 (E211050-20) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22**

|  |            |            |       |   |         |           |           |           |  |
|--|------------|------------|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND         | 5.5        | ug/m3 | 1 | EL20716 | 07-Dec-22 | 07-Dec-22 | EPA TO-15 |  |
| <b>Dichlorodifluoromethane (F12)</b>         | <b>6.1</b> | <b>5.0</b> | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND         | 2.1        | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND         | 7.1        | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND         | 2.6        | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND         | 16         | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND         | 8.0        | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>180</b> | <b>5.6</b> | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethene                           | ND         | 4.0        | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>26</b>  | <b>7.7</b> | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)         | ND         | 3.5        | "     | " | "       | "         | "         | "         |  |
| Carbon disulfide                             | ND         | 6.3        | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND         | 8.0        | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND         | 4.1        | "     | " | "       | "         | "         | "         |  |
| 2-Butanone (MEK)                             | ND         | 30         | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND         | 4.0        | "     | " | "       | "         | "         | "         |  |
| Chloroform                                   | ND         | 4.9        | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                        | ND         | 5.5        | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)                     | ND         | 4.1        | "     | " | "       | "         | "         | "         |  |
| Benzene                                      | ND         | 3.2        | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND         | 6.4        | "     | " | "       | "         | "         | "         |  |

GSI Environmental, Inc  
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Project: GSI111722-10  
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Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-7-15 (E211050-20) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| <b>Trichloroethene</b>   | <b>40</b>  | <b>5.5</b>      | ug/m3 | 1               | EL20716 | 07-Dec-22 | 07-Dec-22 | EPA TO-15 |       |
| 1,2-Dichloropropane  | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene  | ND         | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>210</b> | <b>6.9</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene  | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |
| o-Xylene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| Bromoform  | ND         | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND         | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND         | 54              | "     | "               | "       | "         | "         | "         |       |
| <hr/>  |            |                 |       |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4   |            | 96.0 %          |       | 76-134          | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8  |            | 104 %           |       | 78-125          | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene  |            | 80.8 %          |       | 77-127          | "       | "         | "         | "         |       |

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Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result    | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|-----------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-7-5 (E211050-21) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |           |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)  | ND        | 5.5             | ug/m3 | 1               | EL20716 | 07-Dec-22 | 07-Dec-22 | EPA TO-15 |       |
| Dichlorodifluoromethane (F12)   | ND        | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane   | ND        | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)  | ND        | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride  | ND        | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane  | ND        | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane  | ND        | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                     | <b>53</b> | 5.6             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethene  | ND        | 4.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichlorotrifluoroethane (F113)                                   | ND        | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)                                    | ND        | 3.5             | "     | "               | "       | "         | "         | "         |       |
| Carbon disulfide  | ND        | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene  | ND        | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane  | ND        | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)  | ND        | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene  | ND        | 4.0             | "     | "               | "       | "         | "         | "         |       |
| Chloroform  | ND        | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane   | ND        | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)  | ND        | 4.1             | "     | "               | "       | "         | "         | "         |       |
| Benzene   | ND        | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride  | ND        | 6.4             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichloroethene</b>  | <b>14</b> | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane   | ND        | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND        | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND        | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND        | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND        | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene   | ND        | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND        | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND        | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND        | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>47</b> | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND        | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND        | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND        | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND        | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND        | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene   | ND        | 4.3             | "     | "               | "       | "         | "         | "         |       |

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08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-7-5 (E211050-21) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene  | ND     | 4.4             | ug/m3 | 1               | EL20716 | 07-Dec-22 | 07-Dec-22 | EPA TO-15 |       |
| Bromoform   | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

97.2 % 76-134 " " " "  
103 % 78-125 " " " "  
86.7 % 77-127 " " " "

**VP-6-13 (E211050-22) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22**

|  |            |     |       |   |         |           |           |           |  |
|--|------------|-----|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND         | 5.5 | ug/m3 | 1 | EL20716 | 07-Dec-22 | 07-Dec-22 | EPA TO-15 |  |
| <b>Dichlorodifluoromethane (F12)</b>         | <b>7.2</b> | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND         | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND         | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND         | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND         | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>100</b> | 5.6 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethene                           | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>39</b>  | 7.7 | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)         | ND         | 3.5 | "     | " | "       | "         | "         | "         |  |
| <b>Carbon disulfide</b>                      | <b>73</b>  | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| 2-Butanone (MEK)                             | ND         | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| Chloroform                                   | ND         | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                        | ND         | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)                     | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| Benzene                                      | ND         | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND         | 6.4 | "     | " | "       | "         | "         | "         |  |

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08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result     | Reporting Limit | Units  | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|------------|-----------------|--------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-6-13 (E211050-22) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |            |                 |        |                 |         |           |           |           |       |
| <b>Trichloroethene</b>   | <b>32</b>  | <b>5.5</b>      | ug/m3  | 1               | EL20716 | 07-Dec-22 | 07-Dec-22 | EPA TO-15 |       |
| 1,2-Dichloropropane  | ND         | 9.4             | "      | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND         | 6.8             | "      | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND         | 4.6             | "      | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND         | 8.3             | "      | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND         | 4.6             | "      | "               | "       | "         | "         | "         |       |
| Toluene  | ND         | 3.8             | "      | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.5             | "      | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND         | 8.3             | "      | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND         | 8.6             | "      | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>140</b> | <b>6.9</b>      | "      | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND         | 7.8             | "      | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 7.0             | "      | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND         | 4.7             | "      | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND         | 4.4             | "      | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND         | 8.8             | "      | "               | "       | "         | "         | "         |       |
| Styrene  | ND         | 4.3             | "      | "               | "       | "         | "         | "         |       |
| o-Xylene   | ND         | 4.4             | "      | "               | "       | "         | "         | "         |       |
| Bromoform  | ND         | 10              | "      | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND         | 7.0             | "      | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND         | 38              | "      | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND         | 54              | "      | "               | "       | "         | "         | "         |       |
| <hr/>  |            |                 |        |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4   |            | 95.8 %          | 76-134 |                 | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8  |            | 105 %           | 78-125 |                 | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene  |            | 90.8 %          | 77-127 |                 | "       | "         | "         | "         |       |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-6-5 (E211050-23) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)  | ND         | 5.5             | ug/m3 | 1               | EL20716 | 07-Dec-22 | 07-Dec-22 | EPA TO-15 |       |
| <b>Dichlorodifluoromethane (F12)</b>                                    | <b>7.8</b> | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane   | ND         | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)  | ND         | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride  | ND         | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane  | ND         | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane  | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                     | <b>91</b>  | 5.6             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethene  | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                            | <b>35</b>  | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)                                    | ND         | 3.5             | "     | "               | "       | "         | "         | "         |       |
| Carbon disulfide  | ND         | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene  | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane  | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)  | ND         | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene  | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| Chloroform  | ND         | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)  | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| Benzene   | ND         | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride  | ND         | 6.4             | "     | "               | "       | "         | "         | "         |       |
| Trichloroethene   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane   | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene   | ND         | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>39</b>  | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene   | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |

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08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-6-5 (E211050-23) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene  | ND     | 4.4             | ug/m3 | 1               | EL20716 | 07-Dec-22 | 07-Dec-22 | EPA TO-15 |       |
| Bromoform   | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

102 % 76-134 " " " "  
101 % 78-125 " " " "  
95.4 % 77-127 " " " "

**VP-16-15 (E211050-24) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22**

|  |           |     |       |   |         |           |           |           |  |
|--|-----------|-----|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND        | 5.5 | ug/m3 | 1 | EL20716 | 07-Dec-22 | 07-Dec-22 | EPA TO-15 |  |
| Dichlorodifluoromethane (F12)                | ND        | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND        | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND        | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND        | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND        | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND        | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>50</b> | 5.6 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethene                           | ND        | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>44</b> | 7.7 | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)         | ND        | 3.5 | "     | " | "       | "         | "         | "         |  |
| Carbon disulfide                             | ND        | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND        | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND        | 4.1 | "     | " | "       | "         | "         | "         |  |
| 2-Butanone (MEK)                             | ND        | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND        | 4.0 | "     | " | "       | "         | "         | "         |  |
| Chloroform                                   | ND        | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                        | ND        | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)                     | ND        | 4.1 | "     | " | "       | "         | "         | "         |  |
| Benzene                                      | ND        | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND        | 6.4 | "     | " | "       | "         | "         | "         |  |

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Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-16-15 (E211050-24) Vapor    Sampled: 17-Nov-22    Received: 17-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| <b>Trichloroethene</b>  | <b>190</b> | <b>5.5</b>      | ug/m3 | 1               | EL20716 | 07-Dec-22 | 07-Dec-22 | EPA TO-15 |       |
| 1,2-Dichloropropane   | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene   | ND         | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>360</b> | <b>6.9</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene   | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |
| o-Xylene  | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| Bromoform   | ND         | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND         | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND         | 54              | "     | "               | "       | "         | "         | "         |       |
| <hr/>   |            |                 |       |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4  |            | 102 %           |       | 76-134          | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8   |            | 105 %           |       | 78-125          | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene   |            | 97.9 %          |       | 77-127          | "       | "         | "         | "         |       |

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08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-16-5 (E211050-25) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)   | ND         | 5.5             | ug/m3 | 1               | EL20716 | 07-Dec-22 | 07-Dec-22 | EPA TO-15 |       |
| Dichlorodifluoromethane (F12)  | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane  | ND         | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)   | ND         | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride   | ND         | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane   | ND         | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane   | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                      | <b>23</b>  | 5.6             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethene   | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                             | <b>16</b>  | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)                                     | ND         | 3.5             | "     | "               | "       | "         | "         | "         |       |
| Carbon disulfide   | ND         | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene   | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane   | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)   | ND         | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene   | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| Chloroform   | ND         | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane  | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)   | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| Benzene  | ND         | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride   | ND         | 6.4             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichloroethene</b>   | <b>6.4</b> | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane  | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene  | ND         | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>97</b>  | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene  | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |

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**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-16-5 (E211050-25) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene   | ND     | 4.4             | ug/m3 | 1               | EL20716 | 07-Dec-22 | 07-Dec-22 | EPA TO-15 |       |
| Bromoform  | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

102 % 76-134 " " " "  
104 % 78-125 " " " "  
93.6 % 77-127 " " " "

**VP-8-15 (E211050-26) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22**

|  |            |     |       |   |         |           |           |           |  |
|--|------------|-----|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND         | 5.5 | ug/m3 | 1 | EL20716 | 07-Dec-22 | 07-Dec-22 | EPA TO-15 |  |
| <b>Dichlorodifluoromethane (F12)</b>         | <b>6.8</b> | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND         | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND         | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND         | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND         | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>85</b>  | 5.6 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethene                           | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>50</b>  | 7.7 | "     | " | "       | "         | "         | "         |  |
| <b>Methylene chloride (Dichloromethane)</b>  | <b>5.3</b> | 3.5 | "     | " | "       | "         | "         | "         |  |
| <b>Carbon disulfide</b>                      | <b>52</b>  | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| 2-Butanone (MEK)                             | ND         | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| Chloroform                                   | ND         | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                        | ND         | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)                     | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| Benzene                                      | ND         | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND         | 6.4 | "     | " | "       | "         | "         | "         |  |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result     | Reporting Limit | Units  | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|------------|-----------------|--------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-8-15 (E211050-26) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |            |                 |        |                 |         |           |           |           |       |
| <b>Trichloroethene</b>   | <b>190</b> | <b>5.5</b>      | ug/m3  | 1               | EL20716 | 07-Dec-22 | 07-Dec-22 | EPA TO-15 |       |
| 1,2-Dichloropropane  | ND         | 9.4             | "      | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND         | 6.8             | "      | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND         | 4.6             | "      | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND         | 8.3             | "      | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND         | 4.6             | "      | "               | "       | "         | "         | "         |       |
| Toluene  | ND         | 3.8             | "      | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.5             | "      | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND         | 8.3             | "      | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND         | 8.6             | "      | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>140</b> | <b>6.9</b>      | "      | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND         | 7.8             | "      | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 7.0             | "      | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND         | 4.7             | "      | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND         | 4.4             | "      | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND         | 8.8             | "      | "               | "       | "         | "         | "         |       |
| Styrene  | ND         | 4.3             | "      | "               | "       | "         | "         | "         |       |
| o-Xylene   | ND         | 4.4             | "      | "               | "       | "         | "         | "         |       |
| Bromoform  | ND         | 10              | "      | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND         | 7.0             | "      | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND         | 5.0             | "      | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND         | 12              | "      | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND         | 38              | "      | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND         | 54              | "      | "               | "       | "         | "         | "         |       |
| <hr/>  |            |                 |        |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4   |            | 98.3 %          | 76-134 |                 | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8  |            | 100 %           | 78-125 |                 | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene  |            | 96.3 %          | 77-127 |                 | "       | "         | "         | "         |       |

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Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-8-5 (E211050-27) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| <b>1,1-Difluoroethane (LCC)</b>   | <b>520</b> | <b>5.5</b>      | ug/m3 | 1               | EL20716 | 07-Dec-22 | 08-Dec-22 | EPA TO-15 |       |
| Dichlorodifluoromethane (F12)   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane   | ND         | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)  | ND         | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride  | ND         | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane  | ND         | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane  | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                     | <b>14</b>  | <b>5.6</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethene  | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichlorotrifluoroethane (F113)                                   | ND         | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)                                    | ND         | 3.5             | "     | "               | "       | "         | "         | "         |       |
| Carbon disulfide  | ND         | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene  | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane  | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)  | ND         | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene  | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| Chloroform  | ND         | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)  | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| Benzene   | ND         | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride  | ND         | 6.4             | "     | "               | "       | "         | "         | "         |       |
| Trichloroethene   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane   | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene   | ND         | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>30</b>  | <b>6.9</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene   | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |

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Project: GSI111722-10  
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Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-8-5 (E211050-27) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene  | ND     | 4.4             | ug/m3 | 1               | EL20716 | 07-Dec-22 | 08-Dec-22 | EPA TO-15 |       |
| Bromoform   | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

100 % 76-134 " " " "  
103 % 78-125 " " " "  
93.7 % 77-127 " " " "

**VP-15-5 (E211050-28) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22**

|  |            |     |       |   |         |           |           |           |  |
|--|------------|-----|-------|---|---------|-----------|-----------|-----------|--|
| 1,1-Difluoroethane (LCC)                     | ND         | 5.5 | ug/m3 | 1 | EL20716 | 07-Dec-22 | 08-Dec-22 | EPA TO-15 |  |
| Dichlorodifluoromethane (F12)                | ND         | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane                                | ND         | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)             | ND         | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                               | ND         | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                                 | ND         | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                                 | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>          | <b>460</b> | 5.6 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethene                           | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b> | <b>10</b>  | 7.7 | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)         | ND         | 3.5 | "     | " | "       | "         | "         | "         |  |
| <b>Carbon disulfide</b>                      | <b>13</b>  | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene                     | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                           | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| 2-Butanone (MEK)                             | ND         | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                       | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>Chloroform</b>                            | <b>6.9</b> | 4.9 | "     | " | "       | "         | "         | "         |  |
| <b>1,1,1-Trichloroethane</b>                 | <b>9.4</b> | 5.5 | "     | " | "       | "         | "         | "         |  |
| <b>1,2-Dichloroethane (EDC)</b>              | <b>17</b>  | 4.1 | "     | " | "       | "         | "         | "         |  |
| Benzene                                      | ND         | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                         | ND         | 6.4 | "     | " | "       | "         | "         | "         |  |

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Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result    | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|-----------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-15-5 (E211050-28) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |           |                 |       |                 |         |           |           |           |       |
| Trichloroethene  | ND        | 5.5             | ug/m3 | 1               | EL20716 | 07-Dec-22 | 08-Dec-22 | EPA TO-15 |       |
| 1,2-Dichloropropane  | ND        | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND        | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND        | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND        | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND        | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene  | ND        | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND        | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND        | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND        | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>14</b> | <b>6.9</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND        | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND        | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND        | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND        | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND        | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene  | ND        | 4.3             | "     | "               | "       | "         | "         | "         |       |
| o-Xylene   | ND        | 4.4             | "     | "               | "       | "         | "         | "         |       |
| Bromoform  | ND        | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND        | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND        | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND        | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND        | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND        | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND        | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND        | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND        | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND        | 54              | "     | "               | "       | "         | "         | "         |       |
| <hr/>  |           |                 |       |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4   |           | 104 %           |       | 76-134          | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8  |           | 107 %           |       | 78-125          | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene  |           | 97.0 %          |       | 77-127          | "       | "         | "         | "         |       |

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08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-21-15 (E211050-29) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| 1,1-Difluoroethane (LCC)  | ND         | 5.5             | ug/m3 | 1               | EL20716 | 07-Dec-22 | 08-Dec-22 | EPA TO-15 |       |
| <b>Dichlorodifluoromethane (F12)</b>                                      | <b>7.3</b> | 5.0             | "     | "               | "       | "         | "         | "         |       |
| Chloromethane   | ND         | 2.1             | "     | "               | "       | "         | "         | "         |       |
| Dichlorotetrafluoroethane (F114)  | ND         | 7.1             | "     | "               | "       | "         | "         | "         |       |
| Vinyl chloride  | ND         | 2.6             | "     | "               | "       | "         | "         | "         |       |
| Bromomethane  | ND         | 16              | "     | "               | "       | "         | "         | "         |       |
| Chloroethane  | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| <b>Trichlorofluoromethane (F11)</b>                                       | <b>510</b> | 5.6             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethene  | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| <b>1,1,2-Trichlorotrifluoroethane (F113)</b>                              | <b>39</b>  | 7.7             | "     | "               | "       | "         | "         | "         |       |
| Methylene chloride (Dichloromethane)                                      | ND         | 3.5             | "     | "               | "       | "         | "         | "         |       |
| Carbon disulfide  | ND         | 6.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,2-Dichloroethene  | ND         | 8.0             | "     | "               | "       | "         | "         | "         |       |
| 1,1-Dichloroethane  | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| 2-Butanone (MEK)  | ND         | 30              | "     | "               | "       | "         | "         | "         |       |
| cis-1,2-Dichloroethene  | ND         | 4.0             | "     | "               | "       | "         | "         | "         |       |
| Chloroform  | ND         | 4.9             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloroethane (EDC)  | ND         | 4.1             | "     | "               | "       | "         | "         | "         |       |
| Benzene   | ND         | 3.2             | "     | "               | "       | "         | "         | "         |       |
| Carbon tetrachloride  | ND         | 6.4             | "     | "               | "       | "         | "         | "         |       |
| Trichloroethene   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichloropropane   | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane  | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene   | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| Toluene   | ND         | 3.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane   | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane  | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>  | <b>150</b> | 6.9             | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)   | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane   | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene   | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene  | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene  | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene   | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte   | Result | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|---|--------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-21-15 (E211050-29) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |        |                 |       |                 |         |           |           |           |       |
| o-Xylene  | ND     | 4.4             | ug/m3 | 1               | EL20716 | 07-Dec-22 | 08-Dec-22 | EPA TO-15 |       |
| Bromoform   | ND     | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND     | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene  | ND     | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene   | ND     | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene  | ND     | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene   | ND     | 54              | "     | "               | "       | "         | "         | "         |       |

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

96.5 % 76-134 " " " "  
102 % 78-125 " " " "  
77.3 % 77-127 " " " "

**VP-21-5 (E211050-30) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22**

|                                       |            |     |       |   |         |           |           |           |  |
|---------------------------------------|------------|-----|-------|---|---------|-----------|-----------|-----------|--|
| <b>1,1-Difluoroethane (LCC)</b>       | <b>11</b>  | 5.5 | ug/m3 | 1 | EL20716 | 07-Dec-22 | 08-Dec-22 | EPA TO-15 |  |
| Dichlorodifluoromethane (F12)         | ND         | 5.0 | "     | " | "       | "         | "         | "         |  |
| Chloromethane                         | ND         | 2.1 | "     | " | "       | "         | "         | "         |  |
| Dichlorotetrafluoroethane (F114)      | ND         | 7.1 | "     | " | "       | "         | "         | "         |  |
| Vinyl chloride                        | ND         | 2.6 | "     | " | "       | "         | "         | "         |  |
| Bromomethane                          | ND         | 16  | "     | " | "       | "         | "         | "         |  |
| Chloroethane                          | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| <b>Trichlorofluoromethane (F11)</b>   | <b>160</b> | 5.6 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethene                    | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| 1,1,2-Trichlorotrifluoroethane (F113) | ND         | 7.7 | "     | " | "       | "         | "         | "         |  |
| Methylene chloride (Dichloromethane)  | ND         | 3.5 | "     | " | "       | "         | "         | "         |  |
| <b>Carbon disulfide</b>               | <b>92</b>  | 6.3 | "     | " | "       | "         | "         | "         |  |
| trans-1,2-Dichloroethene              | ND         | 8.0 | "     | " | "       | "         | "         | "         |  |
| 1,1-Dichloroethane                    | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| 2-Butanone (MEK)                      | ND         | 30  | "     | " | "       | "         | "         | "         |  |
| cis-1,2-Dichloroethene                | ND         | 4.0 | "     | " | "       | "         | "         | "         |  |
| <b>Chloroform</b>                     | <b>34</b>  | 4.9 | "     | " | "       | "         | "         | "         |  |
| 1,1,1-Trichloroethane                 | ND         | 5.5 | "     | " | "       | "         | "         | "         |  |
| 1,2-Dichloroethane (EDC)              | ND         | 4.1 | "     | " | "       | "         | "         | "         |  |
| <b>Benzene</b>                        | <b>39</b>  | 3.2 | "     | " | "       | "         | "         | "         |  |
| Carbon tetrachloride                  | ND         | 6.4 | "     | " | "       | "         | "         | "         |  |

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Project: GSI111722-10  
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Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15**

**H&P Mobile Geochemistry, Inc.**

| Analyte  | Result     | Reporting Limit | Units | Dilution Factor | Batch   | Prepared  | Analyzed  | Method    | Notes |
|--|------------|-----------------|-------|-----------------|---------|-----------|-----------|-----------|-------|
| <b>VP-21-5 (E211050-30) Vapor Sampled: 17-Nov-22 Received: 17-Nov-22</b> |            |                 |       |                 |         |           |           |           |       |
| Trichloroethene  | ND         | 5.5             | ug/m3 | 1               | EL20716 | 07-Dec-22 | 08-Dec-22 | EPA TO-15 |       |
| 1,2-Dichloropropane  | ND         | 9.4             | "     | "               | "       | "         | "         | "         |       |
| Bromodichloromethane   | ND         | 6.8             | "     | "               | "       | "         | "         | "         |       |
| cis-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| 4-Methyl-2-pentanone (MIBK)  | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| trans-1,3-Dichloropropene  | ND         | 4.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Toluene</b>   | <b>10</b>  | <b>3.8</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.5             | "     | "               | "       | "         | "         | "         |       |
| 2-Hexanone (MBK)   | ND         | 8.3             | "     | "               | "       | "         | "         | "         |       |
| Dibromochloromethane   | ND         | 8.6             | "     | "               | "       | "         | "         | "         |       |
| <b>Tetrachloroethene</b>   | <b>8.0</b> | <b>6.9</b>      | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dibromoethane (EDB)  | ND         | 7.8             | "     | "               | "       | "         | "         | "         |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| Chlorobenzene  | ND         | 4.7             | "     | "               | "       | "         | "         | "         |       |
| Ethylbenzene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| m,p-Xylene   | ND         | 8.8             | "     | "               | "       | "         | "         | "         |       |
| Styrene  | ND         | 4.3             | "     | "               | "       | "         | "         | "         |       |
| o-Xylene   | ND         | 4.4             | "     | "               | "       | "         | "         | "         |       |
| Bromoform  | ND         | 10              | "     | "               | "       | "         | "         | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND         | 7.0             | "     | "               | "       | "         | "         | "         |       |
| 4-Ethyltoluene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3,5-Trimethylbenzene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trimethylbenzene   | ND         | 5.0             | "     | "               | "       | "         | "         | "         |       |
| 1,3-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,4-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2-Dichlorobenzene  | ND         | 12              | "     | "               | "       | "         | "         | "         |       |
| 1,2,4-Trichlorobenzene   | ND         | 38              | "     | "               | "       | "         | "         | "         |       |
| Hexachlorobutadiene  | ND         | 54              | "     | "               | "       | "         | "         | "         |       |
| <hr/>  |            |                 |       |                 |         |           |           |           |       |
| Surrogate: 1,2-Dichloroethane-d4   |            | 102 %           |       | 76-134          | "       | "         | "         | "         |       |
| Surrogate: Toluene-d8  |            | 107 %           |       | 78-125          | "       | "         | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene  |            | 73.0 %          |       | 77-127          | "       | "         | "         | "         | S-GC  |

GSI Environmental, Inc  
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Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15 - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch EK23015 - TO-15**

**Blank (EK23015-BLK1)**

Prepared & Analyzed: 30-Nov-22

|                                       |    |     |       |  |  |  |  |  |  |  |
|---------------------------------------|----|-----|-------|--|--|--|--|--|--|--|
| 1,1-Difluoroethane (LCC)              | ND | 5.5 | ug/m3 |  |  |  |  |  |  |  |
| Dichlorodifluoromethane (F12)         | ND | 5.0 | "     |  |  |  |  |  |  |  |
| Chloromethane                         | ND | 2.1 | "     |  |  |  |  |  |  |  |
| Dichlorotetrafluoroethane (F114)      | ND | 7.1 | "     |  |  |  |  |  |  |  |
| Vinyl chloride                        | ND | 2.6 | "     |  |  |  |  |  |  |  |
| Bromomethane                          | ND | 16  | "     |  |  |  |  |  |  |  |
| Chloroethane                          | ND | 8.0 | "     |  |  |  |  |  |  |  |
| Trichlorofluoromethane (F11)          | ND | 5.6 | "     |  |  |  |  |  |  |  |
| 1,1-Dichloroethene                    | ND | 4.0 | "     |  |  |  |  |  |  |  |
| 1,1,2-Trichlorotrifluoroethane (F113) | ND | 7.7 | "     |  |  |  |  |  |  |  |
| Methylene chloride (Dichloromethane)  | ND | 3.5 | "     |  |  |  |  |  |  |  |
| Carbon disulfide                      | ND | 6.3 | "     |  |  |  |  |  |  |  |
| trans-1,2-Dichloroethene              | ND | 8.0 | "     |  |  |  |  |  |  |  |
| 1,1-Dichloroethane                    | ND | 4.1 | "     |  |  |  |  |  |  |  |
| 2-Butanone (MEK)                      | ND | 30  | "     |  |  |  |  |  |  |  |
| cis-1,2-Dichloroethene                | ND | 4.0 | "     |  |  |  |  |  |  |  |
| Chloroform                            | ND | 4.9 | "     |  |  |  |  |  |  |  |
| 1,1,1-Trichloroethane                 | ND | 5.5 | "     |  |  |  |  |  |  |  |
| 1,2-Dichloroethane (EDC)              | ND | 4.1 | "     |  |  |  |  |  |  |  |
| Benzene                               | ND | 3.2 | "     |  |  |  |  |  |  |  |
| Carbon tetrachloride                  | ND | 6.4 | "     |  |  |  |  |  |  |  |
| Trichloroethene                       | ND | 5.5 | "     |  |  |  |  |  |  |  |
| 1,2-Dichloropropane                   | ND | 9.4 | "     |  |  |  |  |  |  |  |
| Bromodichloromethane                  | ND | 6.8 | "     |  |  |  |  |  |  |  |
| cis-1,3-Dichloropropene               | ND | 4.6 | "     |  |  |  |  |  |  |  |
| 4-Methyl-2-pentanone (MIBK)           | ND | 8.3 | "     |  |  |  |  |  |  |  |
| trans-1,3-Dichloropropene             | ND | 4.6 | "     |  |  |  |  |  |  |  |
| Toluene                               | ND | 3.8 | "     |  |  |  |  |  |  |  |
| 1,1,2-Trichloroethane                 | ND | 5.5 | "     |  |  |  |  |  |  |  |
| 2-Hexanone (MBK)                      | ND | 8.3 | "     |  |  |  |  |  |  |  |
| Dibromochloromethane                  | ND | 8.6 | "     |  |  |  |  |  |  |  |
| Tetrachloroethene                     | ND | 6.9 | "     |  |  |  |  |  |  |  |
| 1,2-Dibromoethane (EDB)               | ND | 7.8 | "     |  |  |  |  |  |  |  |
| 1,1,1,2-Tetrachloroethane             | ND | 7.0 | "     |  |  |  |  |  |  |  |

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Project: GSI111722-10  
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Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15 - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch EK23015 - TO-15**

**Blank (EK23015-BLK1)**

Prepared & Analyzed: 30-Nov-22

|   |     |     |       |     |  |      |        |  |  |      |
|---|-----|-----|-------|-----|--|------|--------|--|--|------|
| Chlorobenzene                           | ND  | 4.7 | ug/m3 |     |  |      |        |  |  |      |
| Ethylbenzene                            | ND  | 4.4 | "     |     |  |      |        |  |  |      |
| m,p-Xylene                              | ND  | 8.8 | "     |     |  |      |        |  |  |      |
| Styrene                                 | ND  | 4.3 | "     |     |  |      |        |  |  |      |
| o-Xylene                                | ND  | 4.4 | "     |     |  |      |        |  |  |      |
| Bromoform                               | ND  | 10  | "     |     |  |      |        |  |  |      |
| 1,1,2,2-Tetrachloroethane               | ND  | 7.0 | "     |     |  |      |        |  |  |      |
| 4-Ethyltoluene                          | ND  | 5.0 | "     |     |  |      |        |  |  |      |
| 1,3,5-Trimethylbenzene                  | ND  | 5.0 | "     |     |  |      |        |  |  |      |
| 1,2,4-Trimethylbenzene                  | ND  | 5.0 | "     |     |  |      |        |  |  |      |
| 1,3-Dichlorobenzene                     | ND  | 12  | "     |     |  |      |        |  |  |      |
| 1,4-Dichlorobenzene                     | ND  | 12  | "     |     |  |      |        |  |  |      |
| 1,2-Dichlorobenzene                     | ND  | 12  | "     |     |  |      |        |  |  |      |
| 1,2,4-Trichlorobenzene                  | ND  | 38  | "     |     |  |      |        |  |  |      |
| Hexachlorobutadiene                     | ND  | 54  | "     |     |  |      |        |  |  |      |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 247 |     | "     | 214 |  | 116  | 76-134 |  |  |      |
| <i>Surrogate: Toluene-d8</i>            | 215 |     | "     | 208 |  | 104  | 78-125 |  |  |      |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | 262 |     | "     | 363 |  | 72.1 | 77-127 |  |  | S-GC |

**LCS (EK23015-BS1)**

Prepared & Analyzed: 30-Nov-22

|                                       |     |     |       |      |  |      |        |  |  |       |
|---------------------------------------|-----|-----|-------|------|--|------|--------|--|--|-------|
| Dichlorodifluoromethane (F12)         | 120 | 5.0 | ug/m3 | 101  |  | 122  | 59-128 |  |  |       |
| Vinyl chloride                        | 62  | 2.6 | "     | 52.0 |  | 120  | 64-127 |  |  |       |
| Chloroethane                          | 70  | 8.0 | "     | 53.6 |  | 130  | 63-127 |  |  | QL-1H |
| Trichlorofluoromethane (F11)          | 110 | 5.6 | "     | 113  |  | 100  | 62-126 |  |  |       |
| 1,1-Dichloroethene                    | 83  | 4.0 | "     | 80.8 |  | 103  | 61-133 |  |  |       |
| 1,1,2-Trichlorotrifluoroethane (F113) | 150 | 7.7 | "     | 155  |  | 97.1 | 66-126 |  |  |       |
| Methylene chloride (Dichloromethane)  | 71  | 3.5 | "     | 70.8 |  | 101  | 62-115 |  |  |       |
| trans-1,2-Dichloroethene              | 83  | 8.0 | "     | 80.8 |  | 103  | 67-124 |  |  |       |
| 1,1-Dichloroethane                    | 90  | 4.1 | "     | 82.4 |  | 109  | 68-126 |  |  |       |
| cis-1,2-Dichloroethene                | 82  | 4.0 | "     | 80.0 |  | 103  | 70-121 |  |  |       |
| Chloroform                            | 100 | 4.9 | "     | 99.2 |  | 104  | 68-123 |  |  |       |
| 1,1,1-Trichloroethane                 | 110 | 5.5 | "     | 111  |  | 101  | 68-125 |  |  |       |
| 1,2-Dichloroethane (EDC)              | 91  | 4.1 | "     | 82.4 |  | 111  | 65-128 |  |  |       |

GSI Environmental, Inc  
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Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15 - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch EK23015 - TO-15**

| Prepared & Analyzed: 30-Nov-22          |     |     |       |      |  |      |        |  |  |  |
|---|-----|-----|-------|------|--|------|--------|--|--|--|
| <b>LCS (EK23015-BS1)</b>                |     |     |       |      |  |      |        |  |  |  |
| Benzene                                 | 62  | 3.2 | ug/m3 | 64.8 |  | 96.3 | 69-119 |  |  |  |
| Carbon tetrachloride                    | 130 | 6.4 | "     | 128  |  | 99.1 | 68-132 |  |  |  |
| Trichloroethene                         | 100 | 5.5 | "     | 110  |  | 95.3 | 71-123 |  |  |  |
| Toluene                                 | 74  | 3.8 | "     | 76.8 |  | 96.1 | 66-119 |  |  |  |
| 1,1,2-Trichloroethane                   | 110 | 5.5 | "     | 111  |  | 95.2 | 73-119 |  |  |  |
| Tetrachloroethene                       | 120 | 6.9 | "     | 138  |  | 84.6 | 66-124 |  |  |  |
| 1,1,1,2-Tetrachloroethane               | 110 | 7.0 | "     | 140  |  | 79.7 | 67-129 |  |  |  |
| Ethylbenzene                            | 70  | 4.4 | "     | 88.4 |  | 79.0 | 70-124 |  |  |  |
| m,p-Xylene                              | 67  | 8.8 | "     | 88.4 |  | 76.3 | 61-134 |  |  |  |
| o-Xylene                                | 76  | 4.4 | "     | 88.4 |  | 86.5 | 67-125 |  |  |  |
| 1,1,2,2-Tetrachloroethane               | 140 | 7.0 | "     | 140  |  | 97.9 | 65-127 |  |  |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 256 |     | "     | 214  |  | 120  | 76-134 |  |  |  |
| <i>Surrogate: Toluene-d8</i>            | 210 |     | "     | 208  |  | 101  | 78-125 |  |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | 322 |     | "     | 363  |  | 88.7 | 77-127 |  |  |  |

**Batch EL20615 - TO-15**

| Prepared & Analyzed: 06-Dec-22        |    |     |       |  |  |  |  |  |  |  |
|---------------------------------------|----|-----|-------|--|--|--|--|--|--|--|
| <b>Blank (EL20615-BLK1)</b>           |    |     |       |  |  |  |  |  |  |  |
| 1,1-Difluoroethane (LCC)              | ND | 5.5 | ug/m3 |  |  |  |  |  |  |  |
| Dichlorodifluoromethane (F12)         | ND | 5.0 | "     |  |  |  |  |  |  |  |
| Chloromethane                         | ND | 2.1 | "     |  |  |  |  |  |  |  |
| Dichlorotetrafluoroethane (F114)      | ND | 7.1 | "     |  |  |  |  |  |  |  |
| Vinyl chloride                        | ND | 2.6 | "     |  |  |  |  |  |  |  |
| Bromomethane                          | ND | 16  | "     |  |  |  |  |  |  |  |
| Chloroethane                          | ND | 8.0 | "     |  |  |  |  |  |  |  |
| Trichlorofluoromethane (F11)          | ND | 5.6 | "     |  |  |  |  |  |  |  |
| 1,1-Dichloroethene                    | ND | 4.0 | "     |  |  |  |  |  |  |  |
| 1,1,2-Trichlorotrifluoroethane (F113) | ND | 7.7 | "     |  |  |  |  |  |  |  |
| Methylene chloride (Dichloromethane)  | ND | 3.5 | "     |  |  |  |  |  |  |  |
| Carbon disulfide                      | ND | 6.3 | "     |  |  |  |  |  |  |  |
| trans-1,2-Dichloroethene              | ND | 8.0 | "     |  |  |  |  |  |  |  |
| 1,1-Dichloroethane                    | ND | 4.1 | "     |  |  |  |  |  |  |  |
| 2-Butanone (MEK)                      | ND | 30  | "     |  |  |  |  |  |  |  |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15 - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch EL20615 - TO-15**

Prepared & Analyzed: 06-Dec-22

**Blank (EL20615-BLK1)**

|                             |    |     |       |  |  |  |  |  |  |  |
|-----------------------------|----|-----|-------|--|--|--|--|--|--|--|
| cis-1,2-Dichloroethene      | ND | 4.0 | ug/m3 |  |  |  |  |  |  |  |
| Chloroform                  | ND | 4.9 | "     |  |  |  |  |  |  |  |
| 1,1,1-Trichloroethane       | ND | 5.5 | "     |  |  |  |  |  |  |  |
| 1,2-Dichloroethane (EDC)    | ND | 4.1 | "     |  |  |  |  |  |  |  |
| Benzene                     | ND | 3.2 | "     |  |  |  |  |  |  |  |
| Carbon tetrachloride        | ND | 6.4 | "     |  |  |  |  |  |  |  |
| Trichloroethene             | ND | 5.5 | "     |  |  |  |  |  |  |  |
| 1,2-Dichloropropane         | ND | 9.4 | "     |  |  |  |  |  |  |  |
| Bromodichloromethane        | ND | 6.8 | "     |  |  |  |  |  |  |  |
| cis-1,3-Dichloropropene     | ND | 4.6 | "     |  |  |  |  |  |  |  |
| 4-Methyl-2-pentanone (MIBK) | ND | 8.3 | "     |  |  |  |  |  |  |  |
| trans-1,3-Dichloropropene   | ND | 4.6 | "     |  |  |  |  |  |  |  |
| Toluene                     | ND | 3.8 | "     |  |  |  |  |  |  |  |
| 1,1,2-Trichloroethane       | ND | 5.5 | "     |  |  |  |  |  |  |  |
| 2-Hexanone (MBK)            | ND | 8.3 | "     |  |  |  |  |  |  |  |
| Dibromochloromethane        | ND | 8.6 | "     |  |  |  |  |  |  |  |
| Tetrachloroethene           | ND | 6.9 | "     |  |  |  |  |  |  |  |
| 1,2-Dibromoethane (EDB)     | ND | 7.8 | "     |  |  |  |  |  |  |  |
| 1,1,1,2-Tetrachloroethane   | ND | 7.0 | "     |  |  |  |  |  |  |  |
| Chlorobenzene               | ND | 4.7 | "     |  |  |  |  |  |  |  |
| Ethylbenzene                | ND | 4.4 | "     |  |  |  |  |  |  |  |
| m,p-Xylene                  | ND | 8.8 | "     |  |  |  |  |  |  |  |
| Styrene                     | ND | 4.3 | "     |  |  |  |  |  |  |  |
| o-Xylene                    | ND | 4.4 | "     |  |  |  |  |  |  |  |
| Bromoform                   | ND | 10  | "     |  |  |  |  |  |  |  |
| 1,1,2,2-Tetrachloroethane   | ND | 7.0 | "     |  |  |  |  |  |  |  |
| 4-Ethyltoluene              | ND | 5.0 | "     |  |  |  |  |  |  |  |
| 1,3,5-Trimethylbenzene      | ND | 5.0 | "     |  |  |  |  |  |  |  |
| 1,2,4-Trimethylbenzene      | ND | 5.0 | "     |  |  |  |  |  |  |  |
| 1,3-Dichlorobenzene         | ND | 12  | "     |  |  |  |  |  |  |  |
| 1,4-Dichlorobenzene         | ND | 12  | "     |  |  |  |  |  |  |  |
| 1,2-Dichlorobenzene         | ND | 12  | "     |  |  |  |  |  |  |  |
| 1,2,4-Trichlorobenzene      | ND | 38  | "     |  |  |  |  |  |  |  |
| Hexachlorobutadiene         | ND | 54  | "     |  |  |  |  |  |  |  |

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Project Manager: Samantha Curtis

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08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15 - Quality Control**

**H&P Mobile Geochemistry, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch EL20615 - TO-15**

**Blank (EL20615-BLK1)**

Prepared & Analyzed: 06-Dec-22

|                                  |     |  |       |     |  |      |        |  |  |  |
|----------------------------------|-----|--|-------|-----|--|------|--------|--|--|--|
| Surrogate: 1,2-Dichloroethane-d4 | 204 |  | ug/m3 | 214 |  | 95.3 | 76-134 |  |  |  |
| Surrogate: Toluene-d8            | 200 |  | "     | 208 |  | 96.4 | 78-125 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 371 |  | "     | 363 |  | 102  | 77-127 |  |  |  |

**LCS (EL20615-BS1)**

Prepared & Analyzed: 06-Dec-22

|                                       |     |     |       |      |  |      |        |  |  |  |
|---------------------------------------|-----|-----|-------|------|--|------|--------|--|--|--|
| Dichlorodifluoromethane (F12)         | 100 | 5.0 | ug/m3 | 101  |  | 99.6 | 59-128 |  |  |  |
| Vinyl chloride                        | 55  | 2.6 | "     | 52.0 |  | 105  | 64-127 |  |  |  |
| Chloroethane                          | 53  | 8.0 | "     | 53.6 |  | 98.7 | 63-127 |  |  |  |
| Trichlorofluoromethane (F11)          | 96  | 5.6 | "     | 113  |  | 84.6 | 62-126 |  |  |  |
| 1,1-Dichloroethene                    | 78  | 4.0 | "     | 80.8 |  | 96.6 | 61-133 |  |  |  |
| 1,1,2-Trichlorotrifluoroethane (F113) | 170 | 7.7 | "     | 155  |  | 107  | 66-126 |  |  |  |
| Methylene chloride (Dichloromethane)  | 68  | 3.5 | "     | 70.8 |  | 95.9 | 62-115 |  |  |  |
| trans-1,2-Dichloroethene              | 78  | 8.0 | "     | 80.8 |  | 96.8 | 67-124 |  |  |  |
| 1,1-Dichloroethane                    | 80  | 4.1 | "     | 82.4 |  | 97.0 | 68-126 |  |  |  |
| cis-1,2-Dichloroethene                | 79  | 4.0 | "     | 80.0 |  | 98.8 | 70-121 |  |  |  |
| Chloroform                            | 100 | 4.9 | "     | 99.2 |  | 102  | 68-123 |  |  |  |
| 1,1,1-Trichloroethane                 | 110 | 5.5 | "     | 111  |  | 99.5 | 68-125 |  |  |  |
| 1,2-Dichloroethane (EDC)              | 82  | 4.1 | "     | 82.4 |  | 99.6 | 65-128 |  |  |  |
| Benzene                               | 64  | 3.2 | "     | 64.8 |  | 98.1 | 69-119 |  |  |  |
| Carbon tetrachloride                  | 130 | 6.4 | "     | 128  |  | 101  | 68-132 |  |  |  |
| Trichloroethene                       | 120 | 5.5 | "     | 110  |  | 107  | 71-123 |  |  |  |
| Toluene                               | 79  | 3.8 | "     | 76.8 |  | 103  | 66-119 |  |  |  |
| 1,1,2-Trichloroethane                 | 120 | 5.5 | "     | 111  |  | 107  | 73-119 |  |  |  |
| Tetrachloroethene                     | 150 | 6.9 | "     | 138  |  | 106  | 66-124 |  |  |  |
| 1,1,1,2-Tetrachloroethane             | 140 | 7.0 | "     | 140  |  | 103  | 67-129 |  |  |  |
| Ethylbenzene                          | 89  | 4.4 | "     | 88.4 |  | 101  | 70-124 |  |  |  |
| m,p-Xylene                            | 98  | 8.8 | "     | 88.4 |  | 111  | 61-134 |  |  |  |
| o-Xylene                              | 91  | 4.4 | "     | 88.4 |  | 103  | 67-125 |  |  |  |
| 1,1,2,2-Tetrachloroethane             | 140 | 7.0 | "     | 140  |  | 97.3 | 65-127 |  |  |  |

|                                  |     |  |   |     |  |      |        |  |  |  |
|----------------------------------|-----|--|---|-----|--|------|--------|--|--|--|
| Surrogate: 1,2-Dichloroethane-d4 | 206 |  | " | 214 |  | 96.7 | 76-134 |  |  |  |
| Surrogate: Toluene-d8            | 207 |  | " | 208 |  | 99.5 | 78-125 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 364 |  | " | 363 |  | 100  | 77-127 |  |  |  |

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Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15 - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC<br>%REC | %REC<br>Limits | RPD<br>RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|--------------|----------------|------------|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|--------------|----------------|------------|--------------|-------|

**Batch EL20615 - TO-15**

**Batch EL20716 - TO-15**

**Blank (EL20716-BLK1)**

Prepared & Analyzed: 07-Dec-22

|                                       |    |     |       |  |  |  |  |  |  |  |
|---------------------------------------|----|-----|-------|--|--|--|--|--|--|--|
| 1,1-Difluoroethane (LCC)              | ND | 5.5 | ug/m3 |  |  |  |  |  |  |  |
| Dichlorodifluoromethane (F12)         | ND | 5.0 | "     |  |  |  |  |  |  |  |
| Chloromethane                         | ND | 2.1 | "     |  |  |  |  |  |  |  |
| Dichlorotetrafluoroethane (F114)      | ND | 7.1 | "     |  |  |  |  |  |  |  |
| Vinyl chloride                        | ND | 2.6 | "     |  |  |  |  |  |  |  |
| Bromomethane                          | ND | 16  | "     |  |  |  |  |  |  |  |
| Chloroethane                          | ND | 8.0 | "     |  |  |  |  |  |  |  |
| Trichlorofluoromethane (F11)          | ND | 5.6 | "     |  |  |  |  |  |  |  |
| 1,1-Dichloroethene                    | ND | 4.0 | "     |  |  |  |  |  |  |  |
| 1,1,2-Trichlorotrifluoroethane (F113) | ND | 7.7 | "     |  |  |  |  |  |  |  |
| Methylene chloride (Dichloromethane)  | ND | 3.5 | "     |  |  |  |  |  |  |  |
| Carbon disulfide                      | ND | 6.3 | "     |  |  |  |  |  |  |  |
| trans-1,2-Dichloroethene              | ND | 8.0 | "     |  |  |  |  |  |  |  |
| 1,1-Dichloroethane                    | ND | 4.1 | "     |  |  |  |  |  |  |  |
| 2-Butanone (MEK)                      | ND | 30  | "     |  |  |  |  |  |  |  |
| cis-1,2-Dichloroethene                | ND | 4.0 | "     |  |  |  |  |  |  |  |
| Chloroform                            | ND | 4.9 | "     |  |  |  |  |  |  |  |
| 1,1,1-Trichloroethane                 | ND | 5.5 | "     |  |  |  |  |  |  |  |
| 1,2-Dichloroethane (EDC)              | ND | 4.1 | "     |  |  |  |  |  |  |  |
| Benzene                               | ND | 3.2 | "     |  |  |  |  |  |  |  |
| Carbon tetrachloride                  | ND | 6.4 | "     |  |  |  |  |  |  |  |
| Trichloroethene                       | ND | 5.5 | "     |  |  |  |  |  |  |  |
| 1,2-Dichloropropane                   | ND | 9.4 | "     |  |  |  |  |  |  |  |
| Bromodichloromethane                  | ND | 6.8 | "     |  |  |  |  |  |  |  |
| cis-1,3-Dichloropropene               | ND | 4.6 | "     |  |  |  |  |  |  |  |
| 4-Methyl-2-pentanone (MIBK)           | ND | 8.3 | "     |  |  |  |  |  |  |  |
| trans-1,3-Dichloropropene             | ND | 4.6 | "     |  |  |  |  |  |  |  |
| Toluene                               | ND | 3.8 | "     |  |  |  |  |  |  |  |
| 1,1,2-Trichloroethane                 | ND | 5.5 | "     |  |  |  |  |  |  |  |
| 2-Hexanone (MBK)                      | ND | 8.3 | "     |  |  |  |  |  |  |  |
| Dibromochloromethane                  | ND | 8.6 | "     |  |  |  |  |  |  |  |
| Tetrachloroethene                     | ND | 6.9 | "     |  |  |  |  |  |  |  |

GSI Environmental, Inc  
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Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15 - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch EL20716 - TO-15**

Prepared & Analyzed: 07-Dec-22

**Blank (EL20716-BLK1)**

|   |     |     |       |     |  |      |        |  |  |      |
|---|-----|-----|-------|-----|--|------|--------|--|--|------|
| 1,2-Dibromoethane (EDB)                 | ND  | 7.8 | ug/m3 |     |  |      |        |  |  |      |
| 1,1,1,2-Tetrachloroethane               | ND  | 7.0 | "     |     |  |      |        |  |  |      |
| Chlorobenzene                           | ND  | 4.7 | "     |     |  |      |        |  |  |      |
| Ethylbenzene                            | ND  | 4.4 | "     |     |  |      |        |  |  |      |
| m,p-Xylene                              | ND  | 8.8 | "     |     |  |      |        |  |  |      |
| Styrene                                 | ND  | 4.3 | "     |     |  |      |        |  |  |      |
| o-Xylene                                | ND  | 4.4 | "     |     |  |      |        |  |  |      |
| Bromoform                               | ND  | 10  | "     |     |  |      |        |  |  |      |
| 1,1,2,2-Tetrachloroethane               | ND  | 7.0 | "     |     |  |      |        |  |  |      |
| 4-Ethyltoluene                          | ND  | 5.0 | "     |     |  |      |        |  |  |      |
| 1,3,5-Trimethylbenzene                  | ND  | 5.0 | "     |     |  |      |        |  |  |      |
| 1,2,4-Trimethylbenzene                  | ND  | 5.0 | "     |     |  |      |        |  |  |      |
| 1,3-Dichlorobenzene                     | ND  | 12  | "     |     |  |      |        |  |  |      |
| 1,4-Dichlorobenzene                     | ND  | 12  | "     |     |  |      |        |  |  |      |
| 1,2-Dichlorobenzene                     | ND  | 12  | "     |     |  |      |        |  |  |      |
| 1,2,4-Trichlorobenzene                  | ND  | 38  | "     |     |  |      |        |  |  |      |
| Hexachlorobutadiene                     | ND  | 54  | "     |     |  |      |        |  |  |      |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 218 |     | "     | 214 |  | 102  | 76-134 |  |  |      |
| <i>Surrogate: Toluene-d8</i>            | 216 |     | "     | 208 |  | 104  | 78-125 |  |  |      |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | 268 |     | "     | 363 |  | 73.8 | 77-127 |  |  | S-GC |

**LCS (EL20716-BS1)**

Prepared & Analyzed: 07-Dec-22

|                                       |     |     |       |      |  |      |        |  |  |  |
|---------------------------------------|-----|-----|-------|------|--|------|--------|--|--|--|
| Dichlorodifluoromethane (F12)         | 120 | 5.0 | ug/m3 | 101  |  | 114  | 59-128 |  |  |  |
| Vinyl chloride                        | 60  | 2.6 | "     | 52.0 |  | 116  | 64-127 |  |  |  |
| Chloroethane                          | 57  | 8.0 | "     | 53.6 |  | 106  | 63-127 |  |  |  |
| Trichlorofluoromethane (F11)          | 95  | 5.6 | "     | 113  |  | 83.8 | 62-126 |  |  |  |
| 1,1-Dichloroethene                    | 83  | 4.0 | "     | 80.8 |  | 102  | 61-133 |  |  |  |
| 1,1,2-Trichlorotrifluoroethane (F113) | 170 | 7.7 | "     | 155  |  | 108  | 66-126 |  |  |  |
| Methylene chloride (Dichloromethane)  | 76  | 3.5 | "     | 70.8 |  | 108  | 62-115 |  |  |  |
| trans-1,2-Dichloroethene              | 82  | 8.0 | "     | 80.8 |  | 101  | 67-124 |  |  |  |
| 1,1-Dichloroethane                    | 87  | 4.1 | "     | 82.4 |  | 106  | 68-126 |  |  |  |
| cis-1,2-Dichloroethene                | 81  | 4.0 | "     | 80.0 |  | 102  | 70-121 |  |  |  |
| Chloroform                            | 110 | 4.9 | "     | 99.2 |  | 107  | 68-123 |  |  |  |

GSI Environmental, Inc  
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Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

**Volatile Organic Compounds by EPA TO-15 - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch EL20716 - TO-15**

**LCS (EL20716-BS1)**

Prepared & Analyzed: 07-Dec-22

|   |            |     |          |            |  |             |               |  |  |       |
|---|------------|-----|----------|------------|--|-------------|---------------|--|--|-------|
| 1,1,1-Trichloroethane                   | 120        | 5.5 | ug/m3    | 111        |  | 107         | 68-125        |  |  |       |
| 1,2-Dichloroethane (EDC)                | 86         | 4.1 | "        | 82.4       |  | 105         | 65-128        |  |  |       |
| Benzene                                 | 68         | 3.2 | "        | 64.8       |  | 105         | 69-119        |  |  |       |
| Carbon tetrachloride                    | 130        | 6.4 | "        | 128        |  | 105         | 68-132        |  |  |       |
| Trichloroethene                         | 120        | 5.5 | "        | 110        |  | 112         | 71-123        |  |  |       |
| Toluene                                 | 80         | 3.8 | "        | 76.8       |  | 104         | 66-119        |  |  |       |
| 1,1,2-Trichloroethane                   | 130        | 5.5 | "        | 111        |  | 113         | 73-119        |  |  |       |
| Tetrachloroethene                       | 150        | 6.9 | "        | 138        |  | 111         | 66-124        |  |  |       |
| 1,1,1,2-Tetrachloroethane               | 170        | 7.0 | "        | 140        |  | 120         | 67-129        |  |  |       |
| Ethylbenzene                            | 96         | 4.4 | "        | 88.4       |  | 109         | 70-124        |  |  |       |
| m,p-Xylene                              | 100        | 8.8 | "        | 88.4       |  | 114         | 61-134        |  |  |       |
| o-Xylene                                | 110        | 4.4 | "        | 88.4       |  | 127         | 67-125        |  |  | QL-1H |
| 1,1,2,2-Tetrachloroethane               | 190        | 7.0 | "        | 140        |  | 135         | 65-127        |  |  | QL-1H |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>216</i> |     | <i>"</i> | <i>214</i> |  | <i>101</i>  | <i>76-134</i> |  |  |       |
| <i>Surrogate: Toluene-d8</i>            | <i>207</i> |     | <i>"</i> | <i>208</i> |  | <i>99.6</i> | <i>78-125</i> |  |  |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | <i>309</i> |     | <i>"</i> | <i>363</i> |  | <i>85.2</i> | <i>77-127</i> |  |  |       |

GSI Environmental, Inc  
7595 Irvine Center Dr, Ste 250  
Irvine, CA 92618

Project: GSI111722-10  
Project Number: 6239 / Riverside  
Project Manager: Samantha Curtis

Reported:  
08-Dec-22 14:54

### Notes and Definitions

- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- QL-1H The LCS and/or LCSD recoveries fell above the established control specifications for this analyte. Any result for this compound is qualified and should be considered biased high.
- QL-1H The LCS and/or LCSD recoveries fell above the established control specifications for this analyte. Any result for this compound is qualified and should be considered biased high.
- LCC Leak Check Compound
- ND Analyte NOT DETECTED at or above the reporting limit
- MDL Method Detection Limit
- %REC Percent Recovery
- RPD Relative Percent Difference

All soil results are reported in wet weight.

### Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs through PJLA, accreditation number 69070 for EPA Method TO-15, EPA Method 8260B and H&P 8260SV.

H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification numbers 2740, 2741, 2743 & 2745.

H&P is approved by the State of Louisiana Department of Environmental Quality under the National Environmental Laboratory Accreditation Conference (NELAC) certification number 04138

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at [www.handpmg.com/about/certifications](http://www.handpmg.com/about/certifications).

| Lab Client and Project Information   |  |
|--|--|
| Lab Client/Consultant: <u>GSI</u>  | Project Name / #: <u>6239</u>  |
| Lab Client Project Manager: <u>Samantha Curtis</u>   | Project Location: <u>2993 6th St Riverside</u>   |
| Lab Client Address: <u>7595 Irvine Center Dr Suite 250</u>   | Report E-Mail(s): <u>scurtis@gsi-net.com</u>   |
| Lab Client City, State, Zip: <u>Irvine CA 92618</u>  | <u>ARbrochacki</u>   |
| Phone Number: <u>949-892-5239</u>  |  |
| Reporting Requirements   | Turnaround Time  |
| <input checked="" type="checkbox"/> Standard Report <input type="checkbox"/> Level III <input type="checkbox"/> Level IV<br><input checked="" type="checkbox"/> Excel EDD <input type="checkbox"/> Other EDD: _____<br><input type="checkbox"/> CA Geotracker Global ID: _____ | <input checked="" type="checkbox"/> Standard (7 days for preliminary report, 10 days for final report)<br><input type="checkbox"/> Rush (specify): _____ |
| Sampler Information<br>Sampler(s): <u>Mike Hembel</u><br>Signature: _____<br>Date: <u>11-16-22</u>   |  |

| Sample Receipt (Lab Use Only)  |                             |
|--|-----------------------------|
| Date Rec'd: <u>11/17</u>   | Control #: <u>280726.02</u> |
| H&P Project #: <u>GSI111722-10</u>   |                             |
| Lab Work Order #: <u>E211049</u>   |                             |
| Sample In tact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Notes Below |                             |
| Receipt Gauge ID: <u>60206</u>   | Temp: <u>RT</u>             |
| Outside Lab:   |                             |
| Receipt Notes/Tracking #:  | Lab PM Initials: <u>MB</u>  |

**Additional Instructions to Laboratory:**

\* Preferred VOC units (please choose one):  
 µg/L  µg/m<sup>3</sup>  ppbv  ppmv

| SAMPLE NAME | FIELD POINT NAME (if applicable) | DATE mmm/dd/yy | TIME 24hr clock | SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV) | CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc. | CONTAINER ID (#) | Lab use only: Receipt Vac | VOCs Standard Full List <input checked="" type="checkbox"/> TO-15 | VOCs Short List / Project List <input type="checkbox"/> TO-15 | Oxygenates <input type="checkbox"/> TO-15 | Naphthalene <input type="checkbox"/> TO-15 | TPHv as Gas <input type="checkbox"/> TO-15 | Aromatic/Aliphatic Fractions <input type="checkbox"/> TO-15 | Leak Check Compound <input checked="" type="checkbox"/> DFA <input type="checkbox"/> IPA <input type="checkbox"/> He | Methane by EPA 8015m | Fixed Gases by ASTM D1945 <input type="checkbox"/> CO2 <input type="checkbox"/> O2 <input type="checkbox"/> N2 |
|-------------|----------------------------------|----------------|-----------------|--|---|------------------|---------------------------|---|---|---|--|--|---|--|----------------------|--|
| VP-1-30     |                                  | 11-16-22       | 826             | SV   | 400 ml  | 150              | -0.33                     | X   |   |   |  |  |   | X  |                      |  |
| VP-1-15     |                                  |                | 825             | SV   |   | 158              | -0.53                     | X   |   |   |  |  |   | X  |                      |  |
| VP-1-5      |                                  |                | 849             | SV   |   | 156              | -0.73                     | X   |   |   |  |  |   | X  |                      |  |
| AA          |                                  |                | 856             | AA   |   | 229              | -0.78                     | X   |   |   |  |  |   | X  |                      |  |
| VP-9-30     |                                  |                | 922             | SV   |   | 136              | -0.20                     | X   |   |   |  |  |   | X  |                      |  |
| VP-9-15     |                                  |                | 921             | SV   |   | 148              | -2.19                     | X   |   |   |  |  |   | X  |                      |  |
| VP-9-5      |                                  |                | 937             | SV   |   | 135              | -0.55                     | X   |   |   |  |  |   | X  |                      |  |
| VP-2-15     |                                  |                | 1006            | SV   |   | 107              | -0.39                     | X   |   |   |  |  |   | X  |                      |  |
| VP-2-5      |                                  |                | 1005            | SV   |   | 234              | -1.42                     | X   |   |   |  |  |   | X  |                      |  |
| VP-3-15     |                                  |                | 1051            | SV   |   | 006              | -1.35                     | X   |   |   |  |  |   | X  |                      |  |

Approved/Reinquired by: [Signature] Date: 11/16/2022 Time: 13  
 Company: GSI  
 Approved/Reinquired by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Approved/Reinquired by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Company: \_\_\_\_\_

| Lab Client and Project Information   |  |
|--|--|
| Lab Client/Consultant: <u>GSI</u>  | Project Name / #: <u>6239</u>                  |
| Lab Client Project Manager: <u>Samantha Curtis</u>   | Project Location: <u>2993 6th St Riverside</u> |
| Lab Client Address: <u>7895 Irvine Center Dr Suite 250</u>   | Report E-Mail(s): <u>scuths@gsi-net.com</u>    |
| Lab Client City, State, Zip: <u>Irvine CA 92618</u>  | <u>KKbrock@gsi-net.com</u>                     |
| Phone Number: <u>949-892-5239</u>  | <u>"</u>                                       |
| <b>Reporting Requirements</b>  |  |
| <input checked="" type="checkbox"/> Standard Report <input type="checkbox"/> Level III <input type="checkbox"/> Level IV<br><input checked="" type="checkbox"/> Excel EDD <input type="checkbox"/> Other EDD: _____<br><input type="checkbox"/> CA Geotracker Global ID: _____ |  |
| <b>Turnaround Time</b>   |  |
| <input checked="" type="checkbox"/> Standard (7 days for preliminary report, 10 days for final report)<br><input type="checkbox"/> Rush (specify): _____   |  |
| <b>Sampler Information</b>   |  |
| Sampler(s): <u>Mike Hoffman</u>  |  |
| Signature: <u>[Signature]</u>  |  |
| Date: <u>11-16-22</u>  |  |

| Sample Receipt (Lab Use Only)   |                           |
|---|---------------------------|
| Date Rec'd: <u>11/17</u>  | Control #: <u>2208602</u> |
| H&P Project #: <u>GSI11722-10</u>   |                           |
| Lab Work Order #: <u>EJ11049</u>  |                           |
| Sample Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Notes Below |                           |
| Receipt Gauge ID: <u>60206</u>  | Temp: <u>RT</u>           |
| Outside Lab:  |                           |
| Receipt Notes/Tracking #:   |                           |
| Lab PM Initials: <u>VB</u>  |                           |

**Additional Instructions to Laboratory:**

\* Preferred VOC units (please choose one):  
 µg/L  µg/m<sup>3</sup>  ppbv  ppmv

| SAMPLE NAME  | FIELD POINT NAME (if applicable) | DATE mm/dd/yy | TIME 24hr clock | SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV) | CONTAINER SIZE & TYPE 400mL/1.6L Summa, Tedlar, Tube, etc. | CONTAINER ID (#) | Lab use only: Receipt Vac | VOCs Standard Full List <input type="checkbox"/> 8260SV <input checked="" type="checkbox"/> TO-15 | VOCs Short List / Project List <input type="checkbox"/> 8260SV <input type="checkbox"/> TO-15 | Oxygenates <input type="checkbox"/> 8260SV <input type="checkbox"/> TO-15 | Naphthalene <input type="checkbox"/> 8260SV <input type="checkbox"/> TO-15 | TPHv as Gas <input type="checkbox"/> 8260SVm <input type="checkbox"/> TO-15m | Aromatic/Aliphatic Fractions <input type="checkbox"/> 8260SVm <input type="checkbox"/> TO-15m | Leak Check Compound <input checked="" type="checkbox"/> DFA <input type="checkbox"/> IPA <input type="checkbox"/> He | Methane by EPA 8015m | Fixed Gases by ASTM D1945 <input type="checkbox"/> CO2 <input type="checkbox"/> O2 <input type="checkbox"/> N2 |
|--------------|----------------------------------|---------------|-----------------|--|--|------------------|---------------------------|---|---|---|--|--|---|--|----------------------|--|
| VP-3-5       |                                  | 11-16-22      | 0800            | SV   | 400ml  | 106              | -0.90                     | X   |   |   |  |  |   | X  |                      |  |
| VP-11-15     |                                  |               | 1124            |  |  | 052              | -1.25                     | X   |   |   |  |  |   | X  |                      |  |
| VP-11-5      |                                  |               | 1123            |  |  | 071              | -0.93                     | X   |   |   |  |  |   | X  |                      |  |
| VP-6-15      |                                  |               | 1159            |  |  | 086              | -0.66                     | X   |   |   |  |  |   | X  |                      |  |
| VP-10-5      |                                  |               | 1158            |  |  | 050              | -0.88                     | X   |   |   |  |  |   | X  |                      |  |
| VP-17-15     |                                  |               | 1230            |  |  | 072              | -1.68                     | X   |   |   |  |  |   | X  |                      |  |
| VP-17-5      |                                  |               | 1229            |  |  | 007              | -0.73                     | X   |   |   |  |  |   | X  |                      |  |
| VP-17-15 Rep |                                  |               | 1235            |  |  | 081              | -0.95                     | X   |   |   |  |  |   | X  |                      |  |
| VP-18-15     |                                  |               | 1302            |  |  | 074              | -1.91                     | X   |   |   |  |  |   | X  |                      |  |
| VP-16-5      |                                  |               | 1300            |  |  | 010              | -1.08                     | X   |   |   |  |  |   | X  |                      |  |

Approved/Relinquished by: [Signature] Date: 11-16-22 Time: 14:00  
 Approved/Relinquished by: [Signature] Date: 11-16-22 Time: 14:00  
 Approved/Relinquished by: [Signature] Date: 11-16-22 Time: 14:00



**VAPOR / AIR Chain of Custody**

DATE: 11-17-22  
 Page 2 of 3

| Lab Client and Project Information   |  |                                 |
|--|--|---------------------------------|
| Lab Client/Consultant: <u>GSI</u>  | Project Name / #: <u>6289</u>  | Sampler Information             |
| Lab Client Project Manager: <u>Samantha Curtis</u>   | Project Location: <u>2943 6<sup>th</sup> St Riverside</u>  | Sampler(s): <u>Mike Herford</u> |
| Lab Client Address: <u>7595 Irvine Center Dr Suite 250</u>   | Report E-Mail(s): <u>swrtis@gsi-net.com</u>  | Signature: _____                |
| Lab Client City, State, Zip: <u>Irvine CA 92618</u>  | <u>kkbrochocki</u>   | Date: <u>11-17-22</u>           |
| Phone Number: <u>949-892-5239</u>  |  |                                 |
| Reporting Requirements   |  | Turnaround Time                 |
| <input checked="" type="checkbox"/> Standard Report <input type="checkbox"/> Level III <input type="checkbox"/> Level IV | <input checked="" type="checkbox"/> Standard (7 days for preliminary report, 10 days for final report) |                                 |
| <input checked="" type="checkbox"/> Excel EDD <input type="checkbox"/> Other EDD: _____                                  | <input type="checkbox"/> Rush (specify): _____   |                                 |
| <input type="checkbox"/> CA Geotracker Global ID: _____  |  |                                 |

| Sample Receipt (Lab Use Only)   |                                 |
|---|---------------------------------|
| Date Rec'd: <u>11/18</u>  | Control #: <u>20076.02</u>      |
| H&P Project # <u>GSI11722-10</u>  | Lab Work Order # <u>E211050</u> |
| Sample Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Notes Below | Receipt Gauge ID: <u>60206</u>  |
| Outside Lab:  | Temp: <u>RT</u>                 |
| Receipt Notes/Tracking #:   | Lab PM Initials: <u>MB</u>      |

**Additional Instructions to Laboratory:**

\* Preferred VOC units (please choose one):  
 µg/L  µg/m<sup>3</sup>  ppbv  ppmv

| SAMPLE NAME | FIELD POINT NAME (if applicable) | DATE mm/dd/yy | TIME 24hr clock | SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV) | CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc. | CONTAINER ID (#) | Lab use only: Receipt Vac | VOCs Standard Full List <input checked="" type="checkbox"/> TO-15 | VOCs Short List / Project List <input type="checkbox"/> TO-15 | Oxygenates <input type="checkbox"/> 8260SV <input type="checkbox"/> TO-15 | Naphthalene <input type="checkbox"/> 8260SV <input type="checkbox"/> TO-15 | TPH as Gas <input type="checkbox"/> 8260V <input type="checkbox"/> TO-15 | Aromatic/Aliphatic Fractions <input type="checkbox"/> 8260V <input type="checkbox"/> TO-15 | Leak Check Compound <input checked="" type="checkbox"/> DFA <input type="checkbox"/> IPA <input type="checkbox"/> He | Methane by EPA 8015m | Fixed Gases by ASTM D1945 <input type="checkbox"/> CO2 <input type="checkbox"/> O2 <input type="checkbox"/> N2 |
|-------------|----------------------------------|---------------|-----------------|--|---|------------------|---------------------------|---|---|---|--|--|--|--|----------------------|--|
| VP-13-15    |                                  | 11-17-22      | 956             | SV   | 400 ml  | 790              | 1.05                      | X   |   |   |  |  |  |  |                      |  |
| VP-13-5     |                                  |               | 955             |  |   | 799              | 1.11                      | X   |   |   |  |  |  |  |                      |  |
| VP-14-22    |                                  |               | 1101            |  |   | 792              | 1.54                      | X   |   |   |  |  |  |  |                      |  |
| VP-14-15    |                                  |               | 1103            |  |   | 788              | 1.93                      | X   |   |   |  |  |  |  |                      |  |
| VP-14-5     |                                  |               | 1148            |  |   | 775              | 1.55                      | X   |   |   |  |  |  |  |                      |  |
| VP-4-15     |                                  |               | 1142            |  |   | 786              | 1.60                      | X   |   |   |  |  |  |  |                      |  |
| VP-4-5      |                                  |               | 1148            |  |   | 742              | 1.98                      | X   |   |   |  |  |  |  |                      |  |
| VP-5-5      |                                  |               | 1213            |  |   | 763              | 2.78                      | X   |   |   |  |  |  |  |                      |  |
| VP-5-5      |                                  |               | 1209            |  |   | 773              | 2.63                      | X   |   |   |  |  |  |  |                      |  |
| VP-7-5      |                                  |               | 1231            |  |   | 741              | 2.51                      | X   |   |   |  |  |  |  |                      |  |

Approved/Relinquished by: [Signature] Date: 11/17/22 Time: 1445  
 Company: GSI  
 Approved/Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Approved/Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Company: \_\_\_\_\_

| Lab Client and Project Information                          |  | Turnaround Time  |  | Sampler Information             |  |
|---|--|--|--|---------------------------------|--|
| Lab Client/Consultant: <u>651</u>                           | Project Name / #: <u>6239</u>                  |  |  | Sampler(s): <u>Mike Hemford</u> |  |
| Lab Client Project Manager: <u>Samantha Curtis</u>          | Project Location: <u>2993 6th St Riverside</u> |  |  | Signature: <u>[Signature]</u>   |  |
| Lab Client Address: <u>7595 Irvine Center Dr, Suite 260</u> | Report E-Mail(s): <u>swrtx@gsi-net.com</u>     | <input checked="" type="checkbox"/> Standard (7 days for preliminary report, 10 days for final report) |  | Date: <u>11-17-22</u>           |  |
| Lab Client City, State, Zip: <u>Irvine CA 92618</u>         | <u>krbrochocki</u>                             | <input type="checkbox"/> Rush (specify):   |  |                                 |  |
| Phone Number: <u>949-492-5239</u>                           |  |  |  |                                 |  |
| <b>Reporting Requirements</b>                               |  |  |  |                                 |  |
| <input checked="" type="checkbox"/> Standard Report         | <input type="checkbox"/> Level III             | <input type="checkbox"/> Level IV  |  |                                 |  |
| <input checked="" type="checkbox"/> Excel EDD               | <input type="checkbox"/> Other EDD:            |  |  |                                 |  |
| <input type="checkbox"/> CA Geotracker Global ID:           |  |  |  |                                 |  |

| Sample Receipt (Lab Use Only)  |                             |
|--|-----------------------------|
| Date Rec'd: <u>11/18</u>   | Control #: <u>220726.02</u> |
| H&P Project #: <u>GSI 11722-10</u>   |                             |
| Lab Work Order #: <u>F211050</u>   |                             |
| Sample Inlet: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Notes Below |                             |
| Receipt Gauge ID: <u>60206</u>   | Temp: <u>25</u>             |
| Outside Lab:   |                             |
| Receipt Notes/Tracking #:  |                             |
| Lab PM Initials: <u>VB</u>   |                             |

**Additional Instructions to Laboratory:**

\* Preferred VOC units (please choose one):  
 µg/L  µg/m<sup>3</sup>  ppbv  ppmv

| SAMPLE NAME                                  | FIELD POINT NAME (if applicable) | DATE mm/dd/yy         | TIME 24hr clock   | SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV) | CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc. | CONTAINER ID (#) | Lab use only: Receipt Vac | VOCs Standard Full List <input checked="" type="checkbox"/> TO-15 | VOCs Short List / Project List <input type="checkbox"/> TO-15 <input type="checkbox"/> 8260SV | Oxygenates <input type="checkbox"/> TO-15 <input type="checkbox"/> 8260SV | Naphthalene <input type="checkbox"/> TO-15 <input type="checkbox"/> 8260SV | TPHv as Gas <input type="checkbox"/> TO-15 <input type="checkbox"/> 8260SV | Aromatic/Aliphatic Fractions <input type="checkbox"/> TO-15 <input type="checkbox"/> 8260SV | Leak Check Compound <input checked="" type="checkbox"/> DFA <input type="checkbox"/> IPA <input type="checkbox"/> He | Methane by EPA 8015m | Fixed Gases by ASTM D1945 <input type="checkbox"/> CO2 <input type="checkbox"/> O2 <input type="checkbox"/> N2 |  |
|--|----------------------------------|-----------------------|-------------------|--|---|------------------|---------------------------|---|---|---|--|--|---|--|----------------------|--|--|
| VP-7-5                                       |                                  | 11-17-22              | 1232              | SV   | 400 ml  | 784              | -1.84                     | X   |   |   |  |  |   | X  |                      |  |  |
| VP-6-13                                      |                                  |                       | 1264              |  |   | 734              | -2.33                     | X   |   |   |  |  |   | X  |                      |  |  |
| VP-6-5                                       |                                  |                       | 1252              |  |   | 740              | -3.10                     | X   |   |   |  |  |   | X  |                      |  |  |
| VP-6-15                                      |                                  |                       | 1319              |  |   | 735              | -1.36                     | X   |   |   |  |  |   | X  |                      |  |  |
| VP-6-5                                       |                                  |                       | 1320              |  |   | 738              | -2.19                     | X   |   |   |  |  |   | X  |                      |  |  |
| VP-8-15                                      |                                  |                       | 1345              |  |   | 619              | -1.91                     | X   |   |   |  |  |   | X  |                      |  |  |
| VP-8-5                                       |                                  |                       | 1344              |  |   | 730              | -1.21                     | X   |   |   |  |  |   | X  |                      |  |  |
| VP-15-5                                      |                                  |                       | 1403              |  |   | 633              | -2.42                     | X   |   |   |  |  |   | X  |                      |  |  |
| VP-21-15                                     |                                  |                       | 1023              |  |   | 787              | -1.60                     | X   |   |   |  |  |   | X  |                      |  |  |
| VP-21-5                                      |                                  |                       | 1035              |  |   | 786              | -1.21                     | X   |   |   |  |  |   | X  |                      |  |  |
| Approved/Relinquished by: <u>[Signature]</u> | Company: <u>651</u>              | Date: <u>11/17/22</u> | Time: <u>1445</u> | Received by: <u>[Signature]</u>  |   |                  |                           | Company: <u>HBP</u>   | Date: <u>11-17-22</u>   | Time: <u>1445</u>   |  |  |   |  |                      |  |  |
| Approved/Relinquished by:                    | Company:                         | Date:                 | Time:             | Received by:   |   |                  |                           | Company:  | Date:   | Time:   |  |  |   |  |                      |  |  |
| Approved/Relinquished by:                    | Company:                         | Date:                 | Time:             | Received by:   |   |                  |                           | Company:  | Date:   | Time:   |  |  |   |  |                      |  |  |

**Log Sheet: Soil Vapor Sampling with Summa**

H&P Project #: 65111622-Tech  
 Date: 11-16-22  
 Site Address: 2943 6<sup>th</sup> Street Riverside  
 Page: 1 of 2  
 Consultant: 651  
 H&P Rep(s): Mike Herford  
 Reviewed: MB  
 Scanned:

**Equipment Info**  
 Inline Gauge ID#: \_\_\_\_\_  
 Pump ID#: 0078040

**Purge Volume Information**  
 PV Amount: 3PV  
 PV Includes:  Tubing  
 Sand 40%  
 Dry Bent 50%

**Leak Check Compound**  
 1,1-DFA  
 1,1,1,2-TFA  
 IPA  
 Other:  
 A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.

| Point ID    | Sample and Summa Information |                 |            |                   |                   | Probe Specs   |                  |                    |                 |               | Purge & Collection Information |                    |                     |                         |                |                |                          |                     |                           |   |
|-------------|------------------------------|-----------------|------------|-------------------|-------------------|---------------|------------------|--------------------|-----------------|---------------|--------------------------------|--------------------|---------------------|-------------------------|----------------|----------------|--------------------------|---------------------|---------------------------|---|
|             | Summa ID #                   | Sample Kit ID # | Start Time | Initial Vac ("Hg) | End / Sample Time | End Vac ("Hg) | Probe Depth (ft) | Tubing Length (ft) | Tubing OD (in.) | Sand Ht (in.) | Sand Dia (in.)                 | Dry Bent. Ht (in.) | Dry Bent. Dia (in.) | Shut In Test 60 sec (✓) | Leak Check (✓) | Purge Vol (mL) | Purge Flow Rate (mL/min) | Pump Time (min:sec) | Sample Flow Rate (mL/min) | ProbeVac<br><input type="checkbox"/> Hg<br><input checked="" type="checkbox"/> H <sub>2</sub> O |
| 1 VP-1-30   | 150                          | 132             | 823        | -30 <sup>+</sup>  | 826               | 0             | 30               | 31.5               | 1/4             | 12            | 2.25                           | 6                  | 2.25                | ✓                       | ✓              | 2233           | 200                      | 10:10               | 2200                      | -10   |
| 2 VP-1-15   | 158                          | 086             | 822        | -29               | 825               | 0             | 15               | 16.25              | 1/4             | 12            | 2.25                           | 6                  | 2.25                | ✓                       | ✓              | 1778           | 200                      | 8:54                | 2200                      | -20   |
| 3 VP-1-5    | 156                          | 013             | 844        | -30 <sup>+</sup>  | 849               | 0             | 5                | 6                  | 1/4             | 12            | 2.25                           | 6                  | 2.25                | ✓                       | ✓              | 1607           | 200                      | 8:03                | 2200                      | -5  |
| 4 AA        | 224                          | 275             | 853        | -26               | 856               | 0             | -                | -                  | -               | -             | -                              | -                  | -                   | -                       | -              | -              | -                        | -                   | 2200                      | 0   |
| 5 VP-9-30   | 136                          | 235             | 918        | -29               | 922               | 0             | 30               | 31.5               | 1/4             | 12            | 2.25                           | 6                  | 2.25                | ✓                       | ✓              | 2033           | 200                      | 10:10               | 2200                      | -10   |
| 6 VP-9-15   | 148                          | 346             | 917        | -27               | 921               | 0             | 15               | 16.25              | 1/4             | 12            | 2.25                           | 6                  | 2.25                | ✓                       | ✓              | 1778           | 200                      | 8:54                | 2200                      | -15   |
| 7 VP-9-5    | 135                          | 016             | 834        | -28               | 837               | 0             | 5                | 6                  | 1/4             | 12            | 2.25                           | 6                  | 2.25                | ✓                       | ✓              | 1607           | 200                      | 9:03                | 2200                      | -20   |
| 8 VP-2-15   | 107                          | 379             | 1003       | -26               | 1006              | 0             | 15               | 16.25              | 1/4             | 12            | 2.25                           | 6                  | 2.25                | ✓                       | ✓              | 1778           | 200                      | 8:54                | 2200                      | -10   |
| 9 VP-2-5    | 234                          | 274             | 1002       | -27               | 1005              | 0             | 5                | 6                  | 1/4             | 12            | 2.25                           | 6                  | 2.25                | ✓                       | ✓              | 1607           | 200                      | 8:03                | 2200                      | -15   |
| 10 VP-3-15  | 006                          | 007             | 1048       | -30 <sup>+</sup>  | 1051              | 0             | 15               | 16.25              | 1/4             | 12            | 2.25                           | 6                  | 2.25                | ✓                       | ✓              | 1778           | 200                      | 8:54                | 2200                      | -10   |
| 11 VP-3-5   | 106                          | 380             | 1047       | -28               | 1050              | 0             | 5                | 6                  | 1/4             | 12            | 2.25                           | 6                  | 2.25                | ✓                       | ✓              | 1607           | 200                      | 9:03                | 2200                      | -10   |
| 12 VP-11-15 | 052                          | 051             | 1121       | -30 <sup>+</sup>  | 1124              | 0             | 15               | 16.25              | 1/4             | 12            | 2.25                           | 6                  | 2.25                | ✓                       | ✓              | 1778           | 200                      | 8:54                | 2200                      | -15   |

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):  
 Color Coded Probes  
 Yellow - 5x16w  
 Blue - Mobile  
 Red - NIEP