**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 10 | U | 2 | 10 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 591-78-6 | 2-Hexanone | 10 | U | 3 | 10 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 67-64-1 | ACETONE | 20 | U | 7 | 20 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 75-65-0 | TERT-BUTYL ALCOHOL | 50 | U | 20 | 50 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 78-93-3 | 2-Butanone (MEK) | 10 | U | 4 | 10 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-551-SA6-SB-4.0-5.0 | 6/10/2014 | N | 4 | 5 | ft | SO | Go Back | | 7494356 | LL | 8260B | 6/24/2014 | PH226 | 9.3 | 0.91 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1787425.32 | 268387.434 | -118.7033 | 34.23545 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 160.3M | 6/11/2014 | PH219 | 4.3 | 1 | MOIST | MOISTURE | 4.3 | | 0.10 | 0.10 | % | | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 107-02-8 | ACROLEIN | 110 | U | 22 | 110 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 107-13-1 | ACRYLONITRILE | 22 | U | 4 | 22 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 108-05-4 | VINYL ACETATE | 11 | U | 2 | 11 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 11 | U | 3 | 11 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 11 | U | 2 | 11 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 591-78-6 | 2-Hexanone | 11 | U | 3 | 11 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 67-64-1 | ACETONE | 22 | U | 8 | 22 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 75-65-0 | TERT-BUTYL ALCOHOL | 55 | U | 22 | 55 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 78-93-3 | 2-Butanone (MEK) | 11 | U | 4 | 11 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-552-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489861 | LL | 8260B | 6/10/2014 | PH219 | 4.3 | 1.05 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1786021.26 | 267238.353 | -118.70792 | 34.23227 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 160.3M | 6/10/2014 | PH214 | 12.4 | 1 | MOIST | MOISTURE | 12.4 | | 0.10 | 0.10 | % | | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 107-02-8 | ACROLEIN | 110 | U | 21 | 110 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 107-13-1 | ACRYLONITRILE | 21 | U | 4 | 21 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 108-05-4 | VINYL ACETATE | 11 | U | 2 | 11 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 11 | U | 3 | 11 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 11 | U | 2 | 11 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 591-78-6 | 2-Hexanone | 11 | U | 3 | 11 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 67-64-1 | ACETONE | 21 | U | 7 | 21 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 75-65-0 | TERT-BUTYL ALCOHOL | 53 | U | 21 | 53 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 78-93-3 | 2-Butanone (MEK) | 11 | U | 4 | 11 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-14.0-15.0 | 6/3/2014 | N | 14 | 15 | ft | SO | Go Back | | 7486857 | LL | 8260B | 6/5/2014 | PH214 | 12.4 | 0.94 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 160.3M | 6/10/2014 | PH214 | 12.2 | 1 | MOIST | MOISTURE | 12.2 | | 0.10 | 0.10 | % | | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 107-02-8 | ACROLEIN | 100 | U | 21 | 100 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 107-13-1 | ACRYLONITRILE | 21 | U | 4 | 21 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 108-05-4 | VINYL ACETATE | 10 | U | 2 | 10 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 10 | U | 3 | 10 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 10 | U | 2 | 10 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 591-78-6 | 2-Hexanone | 10 | U | 3 | 10 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 67-64-1 | ACETONE | 21 | U | 7 | 21 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 75-65-0 | TERT-BUTYL ALCOHOL | 52 | U | 21 | 52 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 78-93-3 | 2-Butanone (MEK) | 10 | U | 4 | 10 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-19.0-20.0 | 6/3/2014 | N | 19 | 20 | ft | SO | Go Back | | 7486858 | LL | 8260B | 6/5/2014 | PH214 | 12.2 | 0.92 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 160.3M | 6/10/2014 | PH214 | 12 | 1 | MOIST | MOISTURE | 12 | | 0.10 | 0.10 | % | | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 100-41-4 | ETHYLBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 100-42-5 | STYRENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 103-65-1 | N-PROPYLBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 104-51-8 | N-BUTYLBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 106-43-4 | 4-CHLOROTOLUENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 106-46-7 | 1,4-DICHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 106-93-4 | 1,2-DIBROMOETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 107-02-8 | ACROLEIN | 110 | U | 23 | 110 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 107-06-2 | 1,2-DICHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 107-13-1 | ACRYLONITRILE | 23 | U | 5 | 23 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 108-05-4 | VINYL ACETATE | 11 | U | 2 | 11 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 11 | U | 3 | 11 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 108-20-3 | DIISOPROPYL ETHER | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 108-67-8 | 1,3,5-Trimethylbenzene | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 108-86-1 | BROMOBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 108-88-3 | TOLUENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 108-90-7 | CHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 11 | U | 2 | 11 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 124-48-1 | DIBROMOCHLOROMETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 127-18-4 | TETRACHLOROETHENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 135-98-8 | 2-PHENYLBUTANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 142-28-9 | 1,3-DICHLOROPROPANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 6 | U | 0.6 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 179601-23-1 | M,P-XYLENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 541-73-1 | 1,3-DICHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 544-10-5 | 1-Chlorohexane | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 56-23-5 | CARBON TETRACHLORIDE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 563-58-6 | 1,1-Dichloropropene | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 591-78-6 | 2-Hexanone | 11 | U | 3 | 11 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 594-20-7 | 2,2-DICHLOROPROPANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 637-92-3 | tert-Butyl ethyl ether | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 67-64-1 | ACETONE | 23 | U | 8 | 23 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 67-66-3 | CHLOROFORM | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 71-43-2 | BENZENE | 6 | U | 0.6 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 74-83-9 | BROMOMETHANE | 6 | U | 2 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 74-87-3 | CHLOROMETHANE | 6 | U | 2 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 74-88-4 | Methyl Iodide | 6 | U | 3 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 74-95-3 | DIBROMOMETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 74-97-5 | Bromochloromethane | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 75-00-3 | CHLOROETHANE | 6 | U | 2 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 75-01-4 | VINYL CHLORIDE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 75-09-2 | METHYLENE CHLORIDE | 6 | U | 2 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 75-15-0 | CARBON DISULFIDE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 75-25-2 | BROMOFORM | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 75-27-4 | BROMODICHLOROMETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 75-34-3 | 1,1-DICHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 75-35-4 | 1,1-DICHLOROETHENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 75-65-0 | TERT-BUTYL ALCOHOL | 56 | U | 23 | 56 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 75-69-4 | TRICHLOROFLUOROMETHANE | 6 | U | 2 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 75-71-8 | DICHLORODIFLUOROMETHANE | 6 | U | 2 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 6 | U | 2 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 6 | U | 2 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 78-87-5 | 1,2-DICHLOROPROPANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 78-93-3 | 2-Butanone (MEK) | 11 | U | 5 | 11 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 79-01-6 | TRICHLOROETHENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 79-38-9 | Chlorotrifluoroethylene | 6 | U | 2 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 6 | U | 2 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 95-47-6 | O-XYLENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 95-49-8 | 2-CHLOROTOLUENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 95-50-1 | 1,2-DICHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 6 | U | 2 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 96-18-4 | 1,2,3-Trichloropropane | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 98-06-6 | TERT-BUTYLBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 98-82-8 | Isopropylbenzene | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 99-87-6 | CYMENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486855 | LL | 8260B | 6/5/2014 | PH214 | 12 | 0.99 | 994-05-8 | Tert-Amyl-Methyl-Ether | 6 | U | 1 | 6 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 160.3M | 6/10/2014 | PH214 | 12.3 | 1 | MOIST | MOISTURE | 12.3 | | 0.10 | 0.10 | % | | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 107-02-8 | ACROLEIN | 98 | U | 20 | 98 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 107-13-1 | ACRYLONITRILE | 20 | U | 4 | 20 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 108-05-4 | VINYL ACETATE | 10 | U | 2 | 10 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 10 | U | 3 | 10 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 10 | U | 2 | 10 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 591-78-6 | 2-Hexanone | 10 | U | 3 | 10 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 67-64-1 | ACETONE | 20 | U | 7 | 20 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 75-65-0 | TERT-BUTYL ALCOHOL | 49 | U | 20 | 49 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 78-93-3 | 2-Butanone (MEK) | 10 | U | 4 | 10 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-553-SA5D-SB-9.0-10.0 | 6/3/2014 | N | 9 | 10 | ft | SO | Go Back | | 7486856 | LL | 8260B | 6/5/2014 | PH214 | 12.3 | 0.86 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1784530.37 | 265448.558 | -118.71281 | 34.22732 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 160.3M | 6/11/2014 | PH219 | 4.1 | 1 | MOIST | MOISTURE | 4.1 | | 0.10 | 0.10 | % | | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 591-78-6 | 2-Hexanone | 11 | U | 3 | 11 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 67-64-1 | ACETONE | 22 | U | 8 | 22 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 75-65-0 | TERT-BUTYL ALCOHOL | 54 | U | 22 | 54 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 78-93-3 | 2-Butanone (MEK) | 11 | U | 4 | 11 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 107-02-8 | ACROLEIN | 110 | U | 22 | 110 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 107-13-1 | ACRYLONITRILE | 22 | U | 4 | 22 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 108-05-4 | VINYL ACETATE | 11 | U | 2 | 11 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 11 | U | 3 | 11 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 11 | U | 2 | 11 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-554-SA5A-SB-1.5-2.0 | 6/5/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7489862 | LL | 8260B | 6/10/2014 | PH219 | 4.1 | 1.04 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785900.66 | 267162.758 | -118.70832 | 34.23206 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 160.3M | 6/10/2014 | PH214 | 12.3 | 1 | MOIST | MOISTURE | 12.3 | | 0.10 | 0.10 | % | | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 107-02-8 | ACROLEIN | 100 | U | 21 | 100 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 107-13-1 | ACRYLONITRILE | 21 | U | 4 | 21 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 108-05-4 | VINYL ACETATE | 10 | U | 2 | 10 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 10 | U | 3 | 10 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 10 | U | 2 | 10 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 591-78-6 | 2-Hexanone | 10 | U | 3 | 10 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 67-64-1 | ACETONE | 21 | U | 7 | 21 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 75-65-0 | TERT-BUTYL ALCOHOL | 51 | U | 21 | 51 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 78-93-3 | 2-Butanone (MEK) | 10 | U | 4 | 10 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-10.0-11.0 | 6/3/2014 | N | 10 | 11 | ft | SO | Go Back | | 7486860 | LL | 8260B | 6/6/2014 | PH214 | 12.3 | 0.9 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 160.3M | 6/10/2014 | PH214 | 10.8 | 1 | MOIST | MOISTURE | 10.8 | | 0.10 | 0.10 | % | | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 107-02-8 | ACROLEIN | 100 | U | 21 | 100 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 107-13-1 | ACRYLONITRILE | 21 | U | 4 | 21 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 108-05-4 | VINYL ACETATE | 10 | U | 2 | 10 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 10 | U | 3 | 10 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 10 | U | 2 | 10 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 591-78-6 | 2-Hexanone | 10 | U | 3 | 10 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 67-64-1 | ACETONE | 21 | U | 7 | 21 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 75-65-0 | TERT-BUTYL ALCOHOL | 52 | U | 21 | 52 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 78-93-3 | 2-Butanone (MEK) | 10 | U | 4 | 10 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-556-SA5D-SB-4.5-5.5 | 6/3/2014 | N | 4.5 | 5.5 | ft | SO | Go Back | | 7486859 | LL | 8260B | 6/6/2014 | PH214 | 10.8 | 0.92 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1785051.18 | 265400.7 | -118.71108 | 34.2272 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 160.3M | 6/5/2014 | PH206 | 9.1 | 1 | MOIST | MOISTURE | 9.1 | | 0.10 | 0.10 | % | | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 100-41-4 | ETHYLBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 100-42-5 | STYRENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 103-65-1 | N-PROPYLBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 104-51-8 | N-BUTYLBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 106-43-4 | 4-CHLOROTOLUENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 106-46-7 | 1,4-DICHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 106-93-4 | 1,2-DIBROMOETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 107-02-8 | ACROLEIN | 120 | U | 23 | 120 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 107-06-2 | 1,2-DICHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 107-13-1 | ACRYLONITRILE | 23 | U | 5 | 23 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 108-05-4 | VINYL ACETATE | 12 | U | 2 | 12 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 12 | U | 4 | 12 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 108-20-3 | DIISOPROPYL ETHER | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 108-67-8 | 1,3,5-Trimethylbenzene | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 108-86-1 | BROMOBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 108-88-3 | TOLUENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 108-90-7 | CHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 12 | U | 2 | 12 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 124-48-1 | DIBROMOCHLOROMETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 127-18-4 | TETRACHLOROETHENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 135-98-8 | 2-PHENYLBUTANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 142-28-9 | 1,3-DICHLOROPROPANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 6 | U | 0.6 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 179601-23-1 | M,P-XYLENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 541-73-1 | 1,3-DICHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 544-10-5 | 1-Chlorohexane | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 56-23-5 | CARBON TETRACHLORIDE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 563-58-6 | 1,1-Dichloropropene | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 591-78-6 | 2-Hexanone | 12 | U | 4 | 12 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 594-20-7 | 2,2-DICHLOROPROPANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 637-92-3 | tert-Butyl ethyl ether | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 67-64-1 | ACETONE | 23 | U | 8 | 23 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 67-66-3 | CHLOROFORM | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 71-43-2 | BENZENE | 6 | U | 0.6 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 74-83-9 | BROMOMETHANE | 6 | U | 2 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 74-87-3 | CHLOROMETHANE | 6 | U | 2 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 74-88-4 | Methyl Iodide | 6 | U | 4 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 74-95-3 | DIBROMOMETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 74-97-5 | Bromochloromethane | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 75-00-3 | CHLOROETHANE | 6 | U | 2 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 75-01-4 | VINYL CHLORIDE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 75-09-2 | METHYLENE CHLORIDE | 6 | U | 2 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 75-15-0 | CARBON DISULFIDE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 75-25-2 | BROMOFORM | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 75-27-4 | BROMODICHLOROMETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 75-34-3 | 1,1-DICHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 75-35-4 | 1,1-DICHLOROETHENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 75-65-0 | TERT-BUTYL ALCOHOL | 59 | U | 23 | 59 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 75-69-4 | TRICHLOROFLUOROMETHANE | 6 | U | 2 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 75-71-8 | DICHLORODIFLUOROMETHANE | 6 | U | 2 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 6 | U | 2 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 6 | U | 2 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 78-87-5 | 1,2-DICHLOROPROPANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 78-93-3 | 2-Butanone (MEK) | 12 | U | 5 | 12 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 79-01-6 | TRICHLOROETHENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 79-38-9 | Chlorotrifluoroethylene | 6 | U | 2 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 6 | U | 2 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 95-47-6 | O-XYLENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 95-49-8 | 2-CHLOROTOLUENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 95-50-1 | 1,2-DICHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 6 | U | 2 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 96-18-4 | 1,2,3-Trichloropropane | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 98-06-6 | TERT-BUTYLBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 98-82-8 | Isopropylbenzene | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 99-87-6 | CYMENE | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-557-SA5C-SB-3.0-3.5 | 5/29/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7482076 | LL | 8260B | 6/5/2014 | PH206 | 9.1 | 1.07 | 994-05-8 | Tert-Amyl-Methyl-Ether | 6 | U | 1 | 6 | ug/kg | U | | | 1784508.69 | 266979.382 | -118.71292 | 34.23153 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 160.3M | 6/5/2014 | PH206 | 9.7 | 1 | MOIST | MOISTURE | 9.7 | | 0.10 | 0.10 | % | | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 67-64-1 | ACETONE | 21 | U | 7 | 21 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 75-65-0 | TERT-BUTYL ALCOHOL | 53 | U | 21 | 53 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 78-93-3 | 2-Butanone (MEK) | 11 | U | 4 | 11 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 107-02-8 | ACROLEIN | 110 | U | 21 | 110 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 107-13-1 | ACRYLONITRILE | 21 | U | 4 | 21 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 108-05-4 | VINYL ACETATE | 11 | U | 2 | 11 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 11 | U | 3 | 11 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 11 | U | 2 | 11 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 591-78-6 | 2-Hexanone | 11 | U | 3 | 11 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-559-SA5C-SB-2.5-3.0 | 5/29/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7482078 | LL | 8260B | 6/5/2014 | PH206 | 9.7 | 0.96 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784632.51 | 266945.241 | -118.71251 | 34.23144 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 160.3M | 6/18/2014 | PH226 | 12.1 | 1 | MOIST | MOISTURE | 12.1 | | 0.10 | 0.10 | % | | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 107-13-1 | ACRYLONITRILE | 18 | U | 4 | 18 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 108-05-4 | VINYL ACETATE | 9 | U | 2 | 9 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 9 | U | 3 | 9 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 108-86-1 | BROMOBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 108-88-3 | TOLUENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 108-90-7 | CHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 9 | U | 2 | 9 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 179601-23-1 | M,P-XYLENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 544-10-5 | 1-Chlorohexane | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 591-78-6 | 2-Hexanone | 9 | U | 3 | 9 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 67-64-1 | ACETONE | 18 | U | 6 | 18 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 67-66-3 | CHLOROFORM | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 74-95-3 | DIBROMOMETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 74-97-5 | Bromochloromethane | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 75-01-4 | VINYL CHLORIDE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 75-15-0 | CARBON DISULFIDE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 75-25-2 | BROMOFORM | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 75-65-0 | TERT-BUTYL ALCOHOL | 45 | U | 18 | 45 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 78-93-3 | 2-Butanone (MEK) | 9 | U | 4 | 9 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 79-01-6 | TRICHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 95-47-6 | O-XYLENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 98-82-8 | Isopropylbenzene | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 99-87-6 | CYMENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 100-41-4 | ETHYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 100-42-5 | STYRENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-561-SA5C-SB-10.5-11.0 | 6/10/2014 | N | 10.5 | 11 | ft | SO | Go Back | | 7494359 | LL | 8260B | 6/14/2014 | PH226 | 12.1 | 0.79 | 107-02-8 | ACROLEIN | 90 | U | 18 | 90 | ug/kg | U | | | 1784777.92 | 267054.7 | -118.71205 | 34.23175 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 160.3M | 6/18/2014 | PH226 | 6.6 | 1 | MOIST | MOISTURE | 6.6 | | 0.10 | 0.10 | % | | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 107-02-8 | ACROLEIN | 100 | U | 21 | 100 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 107-13-1 | ACRYLONITRILE | 21 | U | 4 | 21 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 108-05-4 | VINYL ACETATE | 10 | U | 2 | 10 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 10 | U | 3 | 10 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 10 | U | 2 | 10 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 591-78-6 | 2-Hexanone | 10 | U | 3 | 10 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 67-64-1 | ACETONE | 21 | U | 7 | 21 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 75-65-0 | TERT-BUTYL ALCOHOL | 52 | U | 21 | 52 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 78-93-3 | 2-Butanone (MEK) | 10 | U | 4 | 10 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-562-SA5B-SB-8.0-9.0 | 6/10/2014 | N | 8 | 9 | ft | SO | Go Back | | 7494357 | LL | 8260B | 6/14/2014 | PH226 | 6.6 | 0.98 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1784996.22 | 267002.428 | -118.71131 | 34.23162 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 160.3M | 6/19/2014 | PH228 | 6.1 | 1 | MOIST | MOISTURE | 6.1 | | 0.10 | 0.10 | % | | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 107-02-8 | ACROLEIN | 97 | U | 19 | 97 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 107-13-1 | ACRYLONITRILE | 19 | U | 4 | 19 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 108-05-4 | VINYL ACETATE | 10 | U | 2 | 10 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 10 | U | 3 | 10 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 10 | U | 2 | 10 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 591-78-6 | 2-Hexanone | 10 | U | 3 | 10 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 67-64-1 | ACETONE | 19 | U | 7 | 19 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 75-65-0 | TERT-BUTYL ALCOHOL | 49 | U | 19 | 49 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 78-93-3 | 2-Butanone (MEK) | 10 | U | 4 | 10 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5B-SB-4.5-5.0 | 6/11/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7496167 | LL | 8260B | 6/14/2014 | PH228 | 6.1 | 0.91 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1784994.71 | 266914.5 | -118.71131 | 34.23136 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 160.3M | 6/6/2014 | PH211 | 7 | 1 | MOIST | MOISTURE | 7 | | 0.10 | 0.10 | % | | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 107-02-8 | ACROLEIN | 110 | U | 21 | 110 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 107-13-1 | ACRYLONITRILE | 21 | U | 4 | 21 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 108-05-4 | VINYL ACETATE | 11 | U | 2 | 11 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 11 | U | 3 | 11 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 11 | U | 2 | 11 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 591-78-6 | 2-Hexanone | 11 | U | 3 | 11 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 67-64-1 | ACETONE | 21 | U | 7 | 21 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 75-65-0 | TERT-BUTYL ALCOHOL | 53 | U | 21 | 53 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 78-93-3 | 2-Butanone (MEK) | 11 | U | 4 | 11 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-563-SA5C-SB-1.0-1.5 | 6/2/2014 | N | 1 | 1.5 | ft | SO | Go Back | | 7484900 | LL | 8260B | 6/5/2014 | PH211 | 7 | 0.98 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1784735.29 | 267152.862 | -118.71217 | 34.23201 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 160.3M | 6/11/2014 | PH216 | 8.4 | 1 | MOIST | MOISTURE | 8.4 | | 0.10 | 0.10 | % | | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 100-41-4 | ETHYLBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 100-42-5 | STYRENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 103-65-1 | N-PROPYLBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 104-51-8 | N-BUTYLBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 106-43-4 | 4-CHLOROTOLUENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 106-46-7 | 1,4-DICHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 106-93-4 | 1,2-DIBROMOETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 107-02-8 | ACROLEIN | 110 | U | 22 | 110 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 107-06-2 | 1,2-DICHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 107-13-1 | ACRYLONITRILE | 22 | U | 4 | 22 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 108-05-4 | VINYL ACETATE | 11 | U | 2 | 11 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 11 | U | 3 | 11 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 108-20-3 | DIISOPROPYL ETHER | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 108-67-8 | 1,3,5-Trimethylbenzene | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 108-86-1 | BROMOBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 108-88-3 | TOLUENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 108-90-7 | CHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 11 | U | 2 | 11 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 124-48-1 | DIBROMOCHLOROMETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 127-18-4 | TETRACHLOROETHENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 135-98-8 | 2-PHENYLBUTANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 142-28-9 | 1,3-DICHLOROPROPANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 6 | U | 0.6 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 179601-23-1 | M,P-XYLENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 541-73-1 | 1,3-DICHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 544-10-5 | 1-Chlorohexane | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 56-23-5 | CARBON TETRACHLORIDE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 563-58-6 | 1,1-Dichloropropene | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 591-78-6 | 2-Hexanone | 11 | U | 3 | 11 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 594-20-7 | 2,2-DICHLOROPROPANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 637-92-3 | tert-Butyl ethyl ether | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 67-64-1 | ACETONE | 22 | U | 8 | 22 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 67-66-3 | CHLOROFORM | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 71-43-2 | BENZENE | 6 | U | 0.6 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 74-83-9 | BROMOMETHANE | 6 | U | 2 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 74-87-3 | CHLOROMETHANE | 6 | U | 2 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 74-88-4 | Methyl Iodide | 6 | U | 3 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 74-95-3 | DIBROMOMETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 74-97-5 | Bromochloromethane | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 75-00-3 | CHLOROETHANE | 6 | U | 2 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 75-01-4 | VINYL CHLORIDE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 75-09-2 | METHYLENE CHLORIDE | 6 | U | 2 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 75-15-0 | CARBON DISULFIDE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 75-25-2 | BROMOFORM | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 75-27-4 | BROMODICHLOROMETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 75-34-3 | 1,1-DICHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 75-35-4 | 1,1-DICHLOROETHENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 75-65-0 | TERT-BUTYL ALCOHOL | 56 | U | 22 | 56 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 75-69-4 | TRICHLOROFLUOROMETHANE | 6 | U | 2 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 75-71-8 | DICHLORODIFLUOROMETHANE | 6 | U | 2 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 6 | U | 2 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 6 | U | 2 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 78-87-5 | 1,2-DICHLOROPROPANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 78-93-3 | 2-Butanone (MEK) | 11 | U | 4 | 11 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 79-01-6 | TRICHLOROETHENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 79-38-9 | Chlorotrifluoroethylene | 6 | U | 2 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 6 | U | 2 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 95-47-6 | O-XYLENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 95-49-8 | 2-CHLOROTOLUENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 95-50-1 | 1,2-DICHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 6 | U | 2 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 96-18-4 | 1,2,3-Trichloropropane | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 98-06-6 | TERT-BUTYLBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 98-82-8 | Isopropylbenzene | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 99-87-6 | CYMENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5A-SB-3.0-3.5 | 6/4/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7488106 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 1.03 | 994-05-8 | Tert-Amyl-Methyl-Ether | 6 | U | 1 | 6 | ug/kg | U | | | 1786218.19 | 267816.328 | -118.70728 | 34.23386 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 160.3M | 5/21/2014 | PH178 | 2.5 | 1 | MOIST | MOISTURE | 2.5 | | 0.10 | 0.10 | % | | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 100-41-4 | ETHYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 100-42-5 | STYRENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 107-02-8 | ACROLEIN | 95 | U | 19 | 95 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 107-13-1 | ACRYLONITRILE | 19 | U | 4 | 19 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 108-05-4 | VINYL ACETATE | 9 | U | 2 | 9 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 9 | U | 3 | 9 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 108-86-1 | BROMOBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 108-88-3 | TOLUENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 108-90-7 | CHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 9 | U | 2 | 9 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 179601-23-1 | M,P-XYLENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 544-10-5 | 1-Chlorohexane | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 591-78-6 | 2-Hexanone | 9 | U | 3 | 9 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 67-64-1 | ACETONE | 19 | U | 7 | 19 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 67-66-3 | CHLOROFORM | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 74-95-3 | DIBROMOMETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 74-97-5 | Bromochloromethane | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 75-01-4 | VINYL CHLORIDE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 75-15-0 | CARBON DISULFIDE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 75-25-2 | BROMOFORM | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 75-65-0 | TERT-BUTYL ALCOHOL | 47 | U | 19 | 47 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | UJ | 2 | 5 | ug/kg | U | UJ | C | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | UJ | 2 | 5 | ug/kg | U | UJ | C | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 78-93-3 | 2-Butanone (MEK) | 9 | U | 4 | 9 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 79-01-6 | TRICHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 95-47-6 | O-XYLENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 98-82-8 | Isopropylbenzene | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 99-87-6 | CYMENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-566-SA5B-SB-2.0-2.5 | 5/15/2014 | N | 2 | 2.5 | ft | SO | Go Back | | 7466274 | LL | 8260B | 5/29/2014 | PH178 | 2.5 | 0.93 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785194.36 | 266933.685 | -118.71065 | 34.23142 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 160.3M | 6/19/2014 | PH228 | 3.9 | 1 | MOIST | MOISTURE | 3.9 | | 0.10 | 0.10 | % | | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 100-41-4 | ETHYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 100-42-5 | STYRENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 107-02-8 | ACROLEIN | 93 | U | 19 | 93 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 107-13-1 | ACRYLONITRILE | 19 | U | 4 | 19 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 108-05-4 | VINYL ACETATE | 9 | U | 2 | 9 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 9 | U | 3 | 9 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 108-86-1 | BROMOBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 108-88-3 | TOLUENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 108-90-7 | CHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 9 | U | 2 | 9 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 179601-23-1 | M,P-XYLENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 544-10-5 | 1-Chlorohexane | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 591-78-6 | 2-Hexanone | 9 | U | 3 | 9 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 67-64-1 | ACETONE | 19 | U | 6 | 19 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 67-66-3 | CHLOROFORM | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 74-95-3 | DIBROMOMETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 74-97-5 | Bromochloromethane | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 75-01-4 | VINYL CHLORIDE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 75-15-0 | CARBON DISULFIDE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 75-25-2 | BROMOFORM | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 75-65-0 | TERT-BUTYL ALCOHOL | 46 | U | 19 | 46 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 78-93-3 | 2-Butanone (MEK) | 9 | U | 4 | 9 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 79-01-6 | TRICHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 95-47-6 | O-XYLENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 98-82-8 | Isopropylbenzene | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 99-87-6 | CYMENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-569-SA5B-SB-2.5-3.0 | 6/11/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7496170 | LL | 8260B | 6/14/2014 | PH228 | 3.9 | 0.89 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785188.68 | 266683.937 | -118.71066 | 34.23073 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 160.3M | 6/11/2014 | PH216 | 2 | 1 | MOIST | MOISTURE | 2 | | 0.10 | 0.10 | % | | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 75-65-0 | TERT-BUTYL ALCOHOL | 50 | U | 20 | 50 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 78-93-3 | 2-Butanone (MEK) | 10 | U | 4 | 10 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 107-02-8 | ACROLEIN | 100 | U | 20 | 100 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 107-13-1 | ACRYLONITRILE | 20 | U | 4 | 20 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 108-05-4 | VINYL ACETATE | 10 | U | 2 | 10 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 10 | U | 3 | 10 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 10 | U | 2 | 10 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 591-78-6 | 2-Hexanone | 10 | U | 3 | 10 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 67-64-1 | ACETONE | 20 | U | 7 | 20 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-571-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488104 | LL | 8260B | 6/10/2014 | PH216 | 2 | 0.98 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786277.59 | 267586.603 | -118.70708 | 34.23323 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 160.3M | 6/11/2014 | PH216 | 2.8 | 1 | MOIST | MOISTURE | 2.8 | | 0.10 | 0.10 | % | | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 100-41-4 | ETHYLBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 100-42-5 | STYRENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 103-65-1 | N-PROPYLBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 104-51-8 | N-BUTYLBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 106-43-4 | 4-CHLOROTOLUENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 106-46-7 | 1,4-DICHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 106-93-4 | 1,2-DIBROMOETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 107-02-8 | ACROLEIN | 110 | U | 22 | 110 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 107-06-2 | 1,2-DICHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 107-13-1 | ACRYLONITRILE | 22 | U | 4 | 22 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 108-05-4 | VINYL ACETATE | 11 | U | 2 | 11 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 11 | U | 3 | 11 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 108-20-3 | DIISOPROPYL ETHER | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 108-67-8 | 1,3,5-Trimethylbenzene | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 108-86-1 | BROMOBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 108-88-3 | TOLUENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 108-90-7 | CHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 11 | U | 2 | 11 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 124-48-1 | DIBROMOCHLOROMETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 127-18-4 | TETRACHLOROETHENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 135-98-8 | 2-PHENYLBUTANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 142-28-9 | 1,3-DICHLOROPROPANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 6 | U | 0.6 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 179601-23-1 | M,P-XYLENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 541-73-1 | 1,3-DICHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 544-10-5 | 1-Chlorohexane | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 56-23-5 | CARBON TETRACHLORIDE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 563-58-6 | 1,1-Dichloropropene | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 591-78-6 | 2-Hexanone | 11 | U | 3 | 11 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 594-20-7 | 2,2-DICHLOROPROPANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 637-92-3 | tert-Butyl ethyl ether | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 67-64-1 | ACETONE | 22 | U | 8 | 22 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 67-66-3 | CHLOROFORM | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 71-43-2 | BENZENE | 6 | U | 0.6 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 74-83-9 | BROMOMETHANE | 6 | U | 2 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 74-87-3 | CHLOROMETHANE | 6 | U | 2 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 74-88-4 | Methyl Iodide | 6 | U | 3 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 74-95-3 | DIBROMOMETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 74-97-5 | Bromochloromethane | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 75-00-3 | CHLOROETHANE | 6 | U | 2 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 75-01-4 | VINYL CHLORIDE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 75-09-2 | METHYLENE CHLORIDE | 6 | U | 2 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 75-15-0 | CARBON DISULFIDE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 75-25-2 | BROMOFORM | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 75-27-4 | BROMODICHLOROMETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 75-34-3 | 1,1-DICHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 75-35-4 | 1,1-DICHLOROETHENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 75-65-0 | TERT-BUTYL ALCOHOL | 56 | U | 22 | 56 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 75-69-4 | TRICHLOROFLUOROMETHANE | 6 | U | 2 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 75-71-8 | DICHLORODIFLUOROMETHANE | 6 | U | 2 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 6 | U | 2 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 6 | U | 2 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 78-87-5 | 1,2-DICHLOROPROPANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 78-93-3 | 2-Butanone (MEK) | 11 | U | 4 | 11 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 79-01-6 | TRICHLOROETHENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 79-38-9 | Chlorotrifluoroethylene | 6 | U | 2 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 6 | U | 2 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 95-47-6 | O-XYLENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 95-49-8 | 2-CHLOROTOLUENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 95-50-1 | 1,2-DICHLOROBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 6 | U | 2 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 96-18-4 | 1,2,3-Trichloropropane | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 98-06-6 | TERT-BUTYLBENZENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 98-82-8 | Isopropylbenzene | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 99-87-6 | CYMENE | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA5A-SB-1.5-2.0 | 6/4/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7488105 | LL | 8260B | 6/10/2014 | PH216 | 2.8 | 1.08 | 994-05-8 | Tert-Amyl-Methyl-Ether | 6 | U | 1 | 6 | ug/kg | U | | | 1786407.5 | 267554.366 | -118.70665 | 34.23315 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 160.3M | 6/13/2014 | PH223 | 4.1 | 1 | MOIST | MOISTURE | 4.1 | | 0.10 | 0.10 | % | | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 107-02-8 | ACROLEIN | 100 | U | 20 | 100 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 107-13-1 | ACRYLONITRILE | 20 | U | 4 | 20 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 108-05-4 | VINYL ACETATE | 10 | U | 2 | 10 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 10 | U | 3 | 10 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 10 | U | 2 | 10 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 591-78-6 | 2-Hexanone | 10 | U | 3 | 10 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 67-64-1 | ACETONE | 11 | J | 7 | 20 | ug/kg | J | J | Z | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 75-65-0 | TERT-BUTYL ALCOHOL | 50 | U | 20 | 50 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 78-93-3 | 2-Butanone (MEK) | 10 | U | 4 | 10 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-574-SA6-SB-3.8-4.3 | 6/9/2014 | N | 3.8 | 4.3 | ft | SO | Go Back | | 7492847 | LL | 8260B | 6/11/2014 | PH223 | 4.1 | 0.96 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1787488.73 | 267513.162 | -118.70307 | 34.23305 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 160.3M | 6/11/2014 | PH216 | 2.1 | 1 | MOIST | MOISTURE | 2.1 | | 0.10 | 0.10 | % | | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 107-02-8 | ACROLEIN | 100 | U | 21 | 100 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 107-13-1 | ACRYLONITRILE | 21 | U | 4 | 21 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 108-05-4 | VINYL ACETATE | 10 | U | 2 | 10 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 10 | U | 3 | 10 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 10 | U | 2 | 10 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 591-78-6 | 2-Hexanone | 10 | U | 3 | 10 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 67-64-1 | ACETONE | 21 | U | 7 | 21 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 75-65-0 | TERT-BUTYL ALCOHOL | 52 | U | 21 | 52 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 78-93-3 | 2-Butanone (MEK) | 10 | U | 4 | 10 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5A-SB-2.5-3.0 | 6/4/2014 | N | 2.5 | 3 | ft | SO | Go Back | | 7488103 | LL | 8260B | 6/10/2014 | PH216 | 2.1 | 1.02 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1786490.6 | 267654.553 | -118.70638 | 34.23342 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 160.3M | 6/6/2014 | PH211 | 4.4 | 1 | MOIST | MOISTURE | 4.4 | | 0.10 | 0.10 | % | | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 67-64-1 | ACETONE | 21 | U | 7 | 21 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 75-65-0 | TERT-BUTYL ALCOHOL | 53 | U | 21 | 53 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 78-93-3 | 2-Butanone (MEK) | 11 | U | 4 | 11 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 107-02-8 | ACROLEIN | 110 | U | 21 | 110 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 107-13-1 | ACRYLONITRILE | 21 | U | 4 | 21 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 108-05-4 | VINYL ACETATE | 11 | U | 2 | 11 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 11 | U | 3 | 11 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 11 | U | 2 | 11 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 591-78-6 | 2-Hexanone | 11 | U | 3 | 11 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-576-SA5B-SB-4.0-4.3 | 6/2/2014 | N | 4 | 4.3 | ft | SO | Go Back | | 7484904 | LL | 8260B | 6/5/2014 | PH211 | 4.4 | 1.01 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785570.07 | 266709.689 | -118.7094 | 34.23081 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 160.3M | 6/11/2014 | PH216 | 8.4 | 1 | MOIST | MOISTURE | 8.4 | | 0.10 | 0.10 | % | | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 100-41-4 | ETHYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 100-42-5 | STYRENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 107-02-8 | ACROLEIN | 94 | U | 19 | 94 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 107-13-1 | ACRYLONITRILE | 19 | U | 4 | 19 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 108-05-4 | VINYL ACETATE | 9 | U | 2 | 9 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 9 | U | 3 | 9 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 108-86-1 | BROMOBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 108-88-3 | TOLUENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 108-90-7 | CHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 9 | U | 2 | 9 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 179601-23-1 | M,P-XYLENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 544-10-5 | 1-Chlorohexane | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 591-78-6 | 2-Hexanone | 9 | U | 3 | 9 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 67-64-1 | ACETONE | 19 | U | 7 | 19 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 67-66-3 | CHLOROFORM | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 74-95-3 | DIBROMOMETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 74-97-5 | Bromochloromethane | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 75-01-4 | VINYL CHLORIDE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 75-15-0 | CARBON DISULFIDE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 75-25-2 | BROMOFORM | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 75-65-0 | TERT-BUTYL ALCOHOL | 47 | U | 19 | 47 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 78-93-3 | 2-Butanone (MEK) | 9 | U | 4 | 9 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 79-01-6 | TRICHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 95-47-6 | O-XYLENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 98-82-8 | Isopropylbenzene | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 99-87-6 | CYMENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA5B-SB-5.3-5.8 | 6/4/2014 | N | 5.3 | 5.8 | ft | SO | Go Back | | 7488098 | LL | 8260B | 6/10/2014 | PH216 | 8.4 | 0.86 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 0.9 | 5 | ug/kg | U | | | 1785400.6 | 266475.596 | -118.70995 | 34.23016 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 160.3M | 6/19/2014 | PH228 | 5 | 1 | MOIST | MOISTURE | 5 | | 0.10 | 0.10 | % | | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 107-02-8 | ACROLEIN | 100 | U | 20 | 100 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 107-13-1 | ACRYLONITRILE | 20 | U | 4 | 20 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 108-05-4 | VINYL ACETATE | 10 | U | 2 | 10 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 10 | U | 3 | 10 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 10 | U | 2 | 10 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 591-78-6 | 2-Hexanone | 10 | U | 3 | 10 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 67-64-1 | ACETONE | 20 | U | 7 | 20 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 75-65-0 | TERT-BUTYL ALCOHOL | 51 | U | 20 | 51 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 78-93-3 | 2-Butanone (MEK) | 10 | U | 4 | 10 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-577-SA6-SB-1.0-2.0 | 6/11/2014 | N | 1 | 2 | ft | SO | Go Back | | 7496169 | LL | 8260B | 6/14/2014 | PH228 | 5 | 0.96 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1787983.44 | 267502.512 | -118.70143 | 34.23303 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 160.3M | 6/11/2014 | PH216 | 4.6 | 1 | MOIST | MOISTURE | 4.6 | | 0.10 | 0.10 | % | | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 75-65-0 | TERT-BUTYL ALCOHOL | 54 | U | 22 | 54 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 78-93-3 | 2-Butanone (MEK) | 11 | U | 4 | 11 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 107-02-8 | ACROLEIN | 110 | U | 22 | 110 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 107-13-1 | ACRYLONITRILE | 22 | U | 4 | 22 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 108-05-4 | VINYL ACETATE | 11 | U | 2 | 11 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 11 | U | 3 | 11 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 11 | U | 2 | 11 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 591-78-6 | 2-Hexanone | 11 | U | 3 | 11 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 67-64-1 | ACETONE | 22 | U | 8 | 22 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-586-SA5B-SB-3.75-4.25 | 6/4/2014 | N | 3.75 | 4.25 | ft | SO | Go Back | | 7488099 | LL | 8260B | 6/10/2014 | PH216 | 4.6 | 1.03 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 160.3M | 6/10/2014 | PH214 | 5.2 | 1 | MOIST | MOISTURE | 5.2 | | 0.10 | 0.10 | % | | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 107-02-8 | ACROLEIN | 110 | U | 22 | 110 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 107-13-1 | ACRYLONITRILE | 22 | U | 4 | 22 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 108-05-4 | VINYL ACETATE | 11 | U | 2 | 11 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 11 | U | 3 | 11 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 11 | U | 2 | 11 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 591-78-6 | 2-Hexanone | 11 | U | 3 | 11 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 67-64-1 | ACETONE | 22 | U | 8 | 22 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 75-65-0 | TERT-BUTYL ALCOHOL | 55 | U | 22 | 55 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 78-93-3 | 2-Butanone (MEK) | 11 | U | 4 | 11 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-602-SA5B-SB-4.5-5.0 | 6/3/2014 | N | 4.5 | 5 | ft | SO | Go Back | | 7486854 | LL | 8260B | 6/5/2014 | PH214 | 5.2 | 1.04 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1785586.03 | 266563.494 | -118.70934 | 34.23041 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 160.3M | 6/13/2014 | PH223 | 3.6 | 1 | MOIST | MOISTURE | 3.6 | | 0.10 | 0.10 | % | | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 107-02-8 | ACROLEIN | 97 | U | 19 | 97 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 107-13-1 | ACRYLONITRILE | 19 | U | 4 | 19 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 108-05-4 | VINYL ACETATE | 10 | U | 2 | 10 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 10 | U | 3 | 10 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 10 | U | 2 | 10 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 591-78-6 | 2-Hexanone | 10 | U | 3 | 10 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 67-64-1 | ACETONE | 19 | U | 7 | 19 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 75-65-0 | TERT-BUTYL ALCOHOL | 49 | U | 19 | 49 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 78-93-3 | 2-Butanone (MEK) | 10 | U | 4 | 10 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-611-SA5A-SB-1.35-1.85 | 6/9/2014 | N | 1.35 | 1.85 | ft | SO | Go Back | | 7492844 | LL | 8260B | 6/11/2014 | PH223 | 3.6 | 0.94 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1786936.95 | 266976.082 | -118.70488 | 34.23157 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 160.3M | 6/11/2014 | PH222 | 4.7 | 1 | MOIST | MOISTURE | 4.7 | | 0.10 | 0.10 | % | | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 107-02-8 | ACROLEIN | 110 | U | 22 | 110 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 107-13-1 | ACRYLONITRILE | 22 | U | 4 | 22 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 108-05-4 | VINYL ACETATE | 11 | U | 2 | 11 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 11 | U | 3 | 11 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 11 | U | 2 | 11 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 591-78-6 | 2-Hexanone | 11 | U | 3 | 11 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 67-64-1 | ACETONE | 16 | J | 8 | 22 | ug/kg | J | J | Z | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 75-65-0 | TERT-BUTYL ALCOHOL | 54 | U | 22 | 54 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 78-93-3 | 2-Butanone (MEK) | 11 | U | 4 | 11 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-627-SA5A-SB-3.0-3.5 | 6/6/2014 | N | 3 | 3.5 | ft | SO | Go Back | | 7491489 | LL | 8260B | 6/14/2014 | PH222 | 4.7 | 1.04 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1786968.67 | 267366.403 | -118.70479 | 34.23264 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 160.3M | 6/13/2014 | PH223 | 5.3 | 1 | MOIST | MOISTURE | 5.3 | | 0.10 | 0.10 | % | | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 107-02-8 | ACROLEIN | 110 | U | 21 | 110 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 107-13-1 | ACRYLONITRILE | 21 | U | 4 | 21 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 108-05-4 | VINYL ACETATE | 11 | U | 2 | 11 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 11 | U | 3 | 11 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 11 | U | 2 | 11 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 591-78-6 | 2-Hexanone | 11 | U | 3 | 11 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 67-64-1 | ACETONE | 21 | U | 7 | 21 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 75-65-0 | TERT-BUTYL ALCOHOL | 53 | U | 21 | 53 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 78-93-3 | 2-Butanone (MEK) | 11 | U | 4 | 11 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-630-SA5A-SB-1.5-2.0 | 6/9/2014 | N | 1.5 | 2 | ft | SO | Go Back | | 7492848 | LL | 8260B | 6/14/2014 | PH223 | 5.3 | 1.01 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1787064.92 | 267699.325 | -118.70448 | 34.23356 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 160.3M | 5/28/2014 | PH194 | 11.5 | 1 | MOIST | MOISTURE | 11.5 | | 0.10 | 0.10 | % | | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 107-02-8 | ACROLEIN | 110 | U | 21 | 110 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 107-13-1 | ACRYLONITRILE | 21 | U | 4 | 21 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 108-05-4 | VINYL ACETATE | 11 | U | 2 | 11 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 11 | U | 3 | 11 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 11 | U | 2 | 11 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 591-78-6 | 2-Hexanone | 11 | U | 3 | 11 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 67-64-1 | ACETONE | 21 | U | 7 | 21 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 75-65-0 | TERT-BUTYL ALCOHOL | 53 | U | 21 | 53 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 78-93-3 | 2-Butanone (MEK) | 11 | U | 4 | 11 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-811-SA5D-SB-4.5-5.5 | 5/22/2014 | FD | 4.5 | 5.5 | ft | SO | Go Back | SVL-511-SA5D-SB-4.5-5.5 | 7475240 | LL | 8260B | 5/29/2014 | PH194 | 11.5 | 0.95 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1784299.45 | 266061.467 | -118.71359 | 34.229 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 160.3M | 5/16/2014 | PH180 | 7.3 | 1 | MOIST | MOISTURE | 7.3 | | 0.10 | 0.10 | % | | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 107-13-1 | ACRYLONITRILE | 19 | U | 4 | 19 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 108-05-4 | VINYL ACETATE | 9 | U | 2 | 9 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 9 | U | 3 | 9 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 108-86-1 | BROMOBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 108-88-3 | TOLUENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 108-90-7 | CHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 9 | U | 2 | 9 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 179601-23-1 | M,P-XYLENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 544-10-5 | 1-Chlorohexane | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 591-78-6 | 2-Hexanone | 9 | U | 3 | 9 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 67-64-1 | ACETONE | 19 | U | 7 | 19 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 67-66-3 | CHLOROFORM | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 74-95-3 | DIBROMOMETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 74-97-5 | Bromochloromethane | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 75-01-4 | VINYL CHLORIDE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 75-15-0 | CARBON DISULFIDE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 75-25-2 | BROMOFORM | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 75-65-0 | TERT-BUTYL ALCOHOL | 47 | U | 19 | 47 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 78-93-3 | 2-Butanone (MEK) | 9 | U | 4 | 9 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 79-01-6 | TRICHLOROETHENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 95-47-6 | O-XYLENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 98-82-8 | Isopropylbenzene | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 99-87-6 | CYMENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 100-41-4 | ETHYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 100-42-5 | STYRENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 107-02-8 | ACROLEIN | 93 | U | 19 | 93 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-832-SA5B-SB-4.0-5.0 | 5/13/2014 | FD | 4 | 5 | ft | SO | Go Back | SVL-532-SA5B-SB-4.0-5.0 | 7466842 | LL | 8260B | 5/23/2014 | PH180 | 7.3 | 0.87 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 0.9 | 5 | ug/kg | U | | | 1784881.15 | 267328.204 | -118.71169 | 34.23249 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 160.3M | 6/19/2014 | PH230 | 4.5 | 1 | MOIST | MOISTURE | 4.5 | | 0.10 | 0.10 | % | | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 107-02-8 | ACROLEIN | 100 | U | 20 | 100 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 107-13-1 | ACRYLONITRILE | 20 | U | 4 | 20 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 108-05-4 | VINYL ACETATE | 10 | U | 2 | 10 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 10 | U | 3 | 10 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 10 | U | 2 | 10 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 591-78-6 | 2-Hexanone | 10 | U | 3 | 10 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 67-64-1 | ACETONE | 20 | U | 7 | 20 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 75-65-0 | TERT-BUTYL ALCOHOL | 50 | U | 20 | 50 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 78-93-3 | 2-Butanone (MEK) | 10 | U | 4 | 10 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-846-SA8-SB-4.4-4.9 | 6/12/2014 | FD | 4.4 | 4.9 | ft | SO | Go Back | SVL-546-SA8-SB-4.4-4.9 | 7497911 | LL | 8260B | 6/25/2014 | PH230 | 4.5 | 0.95 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1783072.26 | 266592.633 | -118.71766 | 34.23044 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 160.3M | 6/11/2014 | PH216 | 4.4 | 1 | MOIST | MOISTURE | 4.4 | | 0.10 | 0.10 | % | | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 100-41-4 | ETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 100-42-5 | STYRENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 103-65-1 | N-PROPYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 104-51-8 | N-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 106-43-4 | 4-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 106-46-7 | 1,4-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 106-93-4 | 1,2-DIBROMOETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 107-02-8 | ACROLEIN | 110 | U | 22 | 110 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 107-06-2 | 1,2-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 107-13-1 | ACRYLONITRILE | 22 | U | 4 | 22 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 108-05-4 | VINYL ACETATE | 11 | U | 2 | 11 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 108-10-1 | 4-Methyl-2-Pentanone (MIBK) | 11 | U | 3 | 11 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 108-20-3 | DIISOPROPYL ETHER | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 108-67-8 | 1,3,5-Trimethylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 108-86-1 | BROMOBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 108-88-3 | TOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 108-90-7 | CHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 110-75-8 | 2-CHLOROETHYL VINYL ETHER | 11 | U | 2 | 11 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 120-82-1 | 1,2,4-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 124-48-1 | DIBROMOCHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 127-18-4 | TETRACHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 135-98-8 | 2-PHENYLBUTANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 142-28-9 | 1,3-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 156-59-2 | CIS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 156-60-5 | TRANS-1,2-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 1634-04-4 | METHYL TERT-BUTYL ETHER | 5 | U | 0.5 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |

**Appendix D**
**Master Database Table**
**Go-Backs, Trenches, and Soil Vapor Locations**
**Phase 3**

| Sample Name | Sample Date | Sample Type Code | Start Depth | End Depth | Depth Unit | Matrix Code | Task Code | Parent Sample Code | Lab Sample ID | Lab Name | Analytical Method | Analysis Date | Lab SDG | Percent Moisture | Dilution Factor | Cas RN | Chemical Name | Report Result Value | Final Qualifiers | Method Detection Limit | Reporting Detection Limit | Reporting Result Unit | Lab Qualifiers | DQM Qualifiers | DQM Remarks | X Coordinate | Y Coordinate | Longitude | Latitude |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 179601-23-1 | M,P-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 541-73-1 | 1,3-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 544-10-5 | 1-Chlorohexane | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 56-23-5 | CARBON TETRACHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 563-58-6 | 1,1-Dichloropropene | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 591-78-6 | 2-Hexanone | 11 | U | 3 | 11 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 594-20-7 | 2,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 637-92-3 | tert-Butyl ethyl ether | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 67-64-1 | ACETONE | 22 | U | 8 | 22 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 67-66-3 | CHLOROFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 71-43-2 | BENZENE | 5 | U | 0.5 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 71-55-6 | 1,1,1-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 74-83-9 | BROMOMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 74-87-3 | CHLOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 74-88-4 | Methyl Iodide | 5 | U | 3 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 74-95-3 | DIBROMOMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 74-97-5 | Bromochloromethane | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 75-00-3 | CHLOROETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 75-01-4 | VINYL CHLORIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 75-09-2 | METHYLENE CHLORIDE | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 75-15-0 | CARBON DISULFIDE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 75-25-2 | BROMOFORM | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 75-27-4 | BROMODICHLOROMETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 75-34-3 | 1,1-DICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 75-35-4 | 1,1-DICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 75-65-0 | TERT-BUTYL ALCOHOL | 55 | U | 22 | 55 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 75-69-4 | TRICHLOROFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 75-71-8 | DICHLORODIFLUOROMETHANE | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 75-88-7 | 2-Chloro-1,1,1-trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 76-13-1 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 78-87-5 | 1,2-DICHLOROPROPANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 78-93-3 | 2-Butanone (MEK) | 11 | U | 4 | 11 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 79-00-5 | 1,1,2-TRICHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 79-01-6 | TRICHLOROETHENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 79-38-9 | Chlorotrifluoroethylene | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 87-61-6 | 1,2,3-TRICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 87-68-3 | HEXACHLORO-1,3-BUTADIENE | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 95-47-6 | O-XYLENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 95-49-8 | 2-CHLOROTOLUENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 95-50-1 | 1,2-DICHLOROBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | 2 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 96-18-4 | 1,2,3-Trichloropropane | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 98-06-6 | TERT-BUTYLBENZENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 98-82-8 | Isopropylbenzene | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 99-87-6 | CYMENE | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |
| SVL-986-SA5B-SB-3.75-4.25 | 6/4/2014 | FD | 3.75 | 4.25 | ft | SO | Go Back | SVL-586-SA5B-SB-3.75-4.25 | 7488102 | LL | 8260B | 6/10/2014 | PH216 | 4.4 | 1.04 | 994-05-8 | Tert-Amyl-Methyl-Ether | 5 | U | 1 | 5 | ug/kg | U | | | 1785743.25 | 266889.922 | -118.70883 | 34.23131 |

# Appendix E
# Field Sample Data Sheets and Boring Logs

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Sky Mupel

Sample ID EBA-051514 Date/Time 05/15/2014 0905

Matrix (circle one): Soil Sediment (Water)

Start Depth SURFACE

End Depth

Depth Units (circle one): (Inches) Feet SURFACE

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): N FD FB (RB)

Parent Sample ID NA

Field Geologist Van Vathanasian

Sampler Rob Ellis

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | ✓ |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

SM/SP

**Fill Material**

1. **Is Fill Material Present** Yes No

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes No

**Color** _____

**Odor**

1. **Odor Strength (circle one)**

None Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

N/A Other _____

**Moisture Condition (circle one)**

Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** _____

ASTM WATER LOT # 53270

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Whitney Vreeburg 05/21/2014

Sample ID EB-052114 Date/Time 5/21/14 / 1410

Matrix (circle one): Soil Sediment (Water)

Start Depth N/A

End Depth N/A

Depth Units (circle one): Inches Feet (N/A)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): N FD FB (RB)

Parent Sample ID N/A

~~EB~~ WT 05212014

Field Geologist Van Vathanasin

Sampler Same as above

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | X |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

WT 05/21/2014

**Fill Material**

1. **Is Fill Material Present** Yes No

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes No

**Color** _____

**Odor**

1. **Odor Strength (circle one)**

None Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

N/A Other _____

**Moisture Condition (circle one)**

Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** _____

ASTM WATER LOT # 53270

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By WMA

Sample ID EB2-0529014 Date/Time 5-29-14/0930

**Matrix (circle one)**: Soil Sediment (Water)

Start Depth N/A

End Depth N/A

**Depth Units (circle one)**: Inches Feet (NONE)

Check if Composite ☐

**Collection Method (circle one)**: (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

**QC Type (circle one)**: N FD FB (RB) ~~EB~~ WT0529 2014

Parent Sample ID N/A

Field Geologist Van Vathanasin

Sampler

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | X |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

WT 9/2014

**Fill Material**

1. Is Fill Material Present Yes No

2. Percentage Fill (%) _____

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes No

**Color** _____

**Odor**

1. Odor Strength (circle one)

None Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

N/A Other _____

**Moisture Condition (circle one)**

Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** ASTM wt ID = 53270

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Shey Mupoel

Sample ID EB1-060414 Date/Time 06/04/14 0705

Matrix (circle one): Soil Sediment (Water)

Start Depth

End Depth

Depth Units (circle one): Inches Feet

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): N FD FB (RB)

Parent Sample ID NA

Field Geologist Van Vathanasian

Sampler Van Vathanasian

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | X |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH ≤ 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH ≤ 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

Smooth

**Fill Material**

**1. Is Fill Material Present** Yes No

**2. Percentage Fill (%)** _____

**3. Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes No

**Color** _____

**Odor**

**1. Odor Strength (circle one)**

None Slight Strong

**2. Odor Description (circle one)**

Organic Petroleum Chemical

N/A Other _____

**Moisture Condition (circle one)**

Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** _____

ASTM WATER LOT # 53270

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By: Stephanie L

Sample ID: EB2-060414

Date/Time: 06/04/14 0720

**Matrix (circle one)**: Soil | Sediment | (Water)

Start Depth: NA

End Depth: NA

**Depth Units (circle one)**: Inches | Feet

Check if Composite: ☐

**Collection Method (circle one)**: (DPT) | Slide Hammer | Hand Auger/Slide Hammer | Trenching | Sediment

**QC Type (circle one)**: N | FD | FB | (RB)

Parent Sample ID: NA

Field Geologist: Rob Ellis

Sampler: Rob Ellis

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | X |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH ≤ 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH ≤ 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

SM/ML

**Fill Material**

1. Is Fill Material Present Yes No

2. Percentage Fill (%) _____

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes No

**Color** _____

**Odor**

1. Odor Strength (circle one)

None Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

N/A Other _____

**Moisture Condition (circle one)**

Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** _____

ASTM LOT WATER # 53270

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By: Stephanie

Sample ID: EB4-060414 Date/Time: 06/04/14 0708

**Matrix (circle one)**: Soil, Sediment, (Water), Plant

Start Depth: NA

End Depth: NA

**Depth Units (circle one)**: Inches, Feet

Check if Composite: ☐

**Collection Method (circle one)**: DPT, Slide Hammer, (Hand Auger/Slide Hammer), Trenching, Sediment, Cutting, Shovel

**QC Type (circle one)**: N, FD, FB, (RB)

Parent Sample ID: NA

Field Geologist: Van Vathanasian

Sampler: Van Vathanasian

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | X |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes No

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes No

**Color** _____

**Odor**

1. **Odor Strength (circle one)**

None Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

N/A Other _____

**Moisture Condition (circle one)**

Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** _____

ASTM WATER LOT # 53270

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Stephanie L

Sample ID EB5-060414 Date/Time 06/04/14 0722

**Matrix (circle one)**: Soil, Sediment, (Water), Plant

Start Depth (Empty)

End Depth

**Depth Units (circle one)**: Inches, Feet (Empty)

Check if Composite ☐

**Collection Method (circle one)**: DPT, Slide Hammer, (Hand Auger/Slide Hammer), Trenching, Sediment, Cutting, Shovel

**QC Type (circle one)**: N, FD, FB, (RB)

Parent Sample ID NA

Field Geologist Rob Ellis

Sampler Rob Ellis

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | X |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH ≤ 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH ≤ 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes No

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes No

**Color** _____

**Odor**

1. **Odor Strength (circle one)**

None Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

N/A Other _____

**Moisture Condition (circle one)**

Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** _____

ASTM WATER LOT # 53270

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Stefan Mypel

Sample ID EB1-061114 Date/Time 11 JUN 14 ; 07:18

**Matrix (circle one)**: Soil Sediment (Water)

Start Depth N/A

End Depth N/A

**Depth Units (circle one)**: (Inches) Feet

**Check if Composite**: ☐

**Collection Method (circle one)**: (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

**QC Type (circle one)**: N FD FB (RB)

Parent Sample ID N/A

Field Geologist ANDREW PAYNE

Sampler PEDRO GARCIA

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | ✓ |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH ≤ 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH ≤ 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present Yes No

2. Percentage Fill (%) _____

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other _____ | | |

**Is Staining Present** Yes No

**Color** _____

**Odor**

1. Odor Strength (circle one)
   None Slight Strong

2. Odor Description (circle one)
   Organic Petroleum Chemical
   N/A Other _____

**Moisture Condition (circle one)**
Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** AP - DPT 3402's Yard Equipment Blank

ASTM WATER LOT #: 53270

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Stef Mupel

Sample ID EB2-061114 Date/Time 11 JUN 14; 07:20

Matrix (circle one): Soil Sediment (Water)

Start Depth N/A

End Depth N/A

Depth Units (circle one): (Inches) Feet

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): N FD FB (RB)

Parent Sample ID NA

Field Geologist ROB ELLIS

Sampler MORGAN HUGHES

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | ✓ |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly Graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes No

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes No

**Color** _____

**Odor**

1. **Odor Strength (circle one)**

None Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

N/A Other _____

**Moisture Condition (circle one)**

Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** NE - DPT 3 rods 40 ml Equipment Blank

ASTM WATER LOT # 53270

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By

Sample ID EB3-061114 Date/Time 11 JUN 14; 07:22

Matrix (circle one): Soil Sediment Water

Start Depth N/A

End Depth N/A

Depth Units (circle one): Inches Feet

Check if Composite ☐

Collection Method (circle one): DPT Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): N FD FB RB

Parent Sample ID N/A

Field Geologist RMB Ellis

Sampler MORGAN HUGHES

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | ✓ |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes No

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other _____ | | |

**Is Staining Present** Yes No

**Color** _____

**Odor**

1. **Odor Strength (circle one)**
   None Slight Strong

2. **Odor Description (circle one)**
   Organic Petroleum Chemical
   N/A Other _____

**Moisture Condition (circle one)**
Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** RE-MA ; 3 BOTS 40mL.
Equipment Blank

ASTM WATER LOT # 53970

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By

Sample ID EB4-061114 Date/Time 11JUN14 ; 0712Y

Matrix (circle one): Soil Sediment (Water)

Start Depth N/A

End Depth N/A

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment

QC Type (circle one): N FD FB (RB)

Parent Sample ID N/A

Field Geologist ANDREW PAYNE

Sampler PEDRO GARCIA

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | ✓ |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present Yes No

2. Percentage Fill (%) _____

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes No

**Color** _____

**Odor**

1. Odor Strength (circle one)

None Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

N/A Other _____

**Moisture Condition (circle one)**

Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** AP - HA 3002, 4002.
Equipment Blank

ASTM WATER LOT # 53270

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Steph Mysel

Sample ID EB-011414 Date/Time 01/14/2014 1500

Matrix (circle one): Soil Sediment (Water)

Start Depth

End Depth

Depth Units (circle one): Inches Feet

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): N FD FB (RB)

Parent Sample ID NA

Field Geologist Catherine Cox

Sampler Pam Hartman

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | X |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | X |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | X |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

SILT

**Fill Material**

1. **Is Fill Material Present** Yes No

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other _____ | | |

**Is Staining Present** Yes No

**Color** _____

**Odor**

1. **Odor Strength (circle one)**
   None Slight Strong

2. **Odor Description (circle one)**
   Organic Petroleum Chemical
   N/A Other _____

**Moisture Condition (circle one)**
Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** _____

ASTM WATER LOT # 53038

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Stacy Mupell

Sample ID EB-050814 Date/Time 05/08/2014 1500

Matrix (circle one): Soil Sediment (Water)

Start Depth

End Depth

Depth Units (circle one): Inches Feet

Check if Composite ☐

Collection Method (circle one): DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): N FD FB (RB)

Parent Sample ID NA

Field Geologist Frank Morris

Sampler Pam Hartman

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | X |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | X |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | X |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH ≤ 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH ≤ 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

SM 5814

**Fill Material**

1. Is Fill Material Present Yes No

2. Percentage Fill (%) _____

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes No

**Color** _____

**Odor**

1. Odor Strength (circle one)

None Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

N/A Other _____

**Moisture Condition (circle one)**

Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** _____

ASTM WATER LOT #: ~~53038~~ sm5814
53270

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Shyam Mysel

Sample ID FB-051314 Date/Time 05/13/2014 1500

**Matrix (circle one)**: Soil Sediment (Water)

Start Depth

End Depth

**Depth Units (circle one)**: Inches Feet

Check if Composite ☐

**Collection Method (circle one)**: DPT Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

**QC Type (circle one)**: N FD (FB) RB

Parent Sample ID NA

Field Geologist NA

Sampler Pam Hartman

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | X |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | X |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | X |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | X |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

SM SW/SP

**Fill Material**

1. **Is Fill Material Present** Yes No

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes No

**Color** _____

**Odor**

1. **Odor Strength (circle one)**

None Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

N/A Other _____

**Moisture Condition (circle one)**

Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** _____

ASTM WATER LOT # 53970

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Skyler Mysel

Sample ID EB1-051414 Date/Time 05/14/2014 1500

Matrix (circle one): Soil Sediment (Water)

Start Depth (SMOOTH)

End Depth

Depth Units (circle one): Inches Feet (SMOOTH)

Check if Composite ☐

Collection Method (circle one): DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment

QC Type (circle one): N FD FB (RB)

Parent Sample ID NA

Field Geologist Frank Morris

Sampler Pam Hartman

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | X |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | X |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | X |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

Sandy Silt

**Fill Material**

1. **Is Fill Material Present** Yes No

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes No

**Color** _____

**Odor**

1. **Odor Strength (circle one)**

None Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

N/A Other _____

**Moisture Condition (circle one)**

Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** _____

ASTM WATER LOT # 53270

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Stephmyers

Sample ID EB2-051414 Date/Time 05/14/2014 1530

Matrix (circle one): Soil Sediment (Water)

Start Depth [blank] End Depth [blank]

Depth Units (circle one): Inches Feet

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): N FD FB (RB)

Parent Sample ID NA

Field Geologist Frank Morris

Sampler Pam Hartman

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | X |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | X |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | X |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

SILTY

**Fill Material**

1. **Is Fill Material Present** Yes No

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes No

**Color** _____

**Odor**

1. **Odor Strength (circle one)**

None Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

N/A Other _____

**Moisture Condition (circle one)**

Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** _____

ASTM WATER. LOT # 53270

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Skyp Mypeel

Sample ID FB-052114 Date/Time 05/21/2014

Matrix (circle one): Soil | Sediment | (Water)

Start Depth

End Depth

Depth Units (circle one): Inches | Feet

Check if Composite ☐

Collection Method (circle one): DPT | Slide Hammer | Hand Auger/Slide Hammer | Trenching | Sediment

QC Type (circle one): N | FD | (FB) | RB

Parent Sample ID NA

Field Geologist NA

Sampler Pam Hartman

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | X |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | X |
| | TIC | EPA 8270 | X |
| | PAHs | EPA 8270 SIM | X |
| | ~~1,4 Dioxane~~ | ~~EPA 8270 SIM~~ | X |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | X |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | X |
| | Hexavalent Chromium | EPA 7196/7199 | X |
| | Herbicides | EPA 8151 | X |
| | Pesticides | EPA 8081 | X |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | X |
| | 1,4 Dioxane | EPA 8260 SIM | X |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | X |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | X |
| | Nitrates | EPA 300.0/9056 | X ← Anions Cl2, SO4, NO3, NO2, Br2, Ortho-PO4, fluoride, Phosphate |
| | Energetics | EPA 8330 | X |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | X |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | X |
| | Total Nitrogen | ASTM D5373 | X |
| | TOC | ASTM D5310 | X |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH ≤ 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH ≤ 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

SP-SM

**Fill Material**

1. Is Fill Material Present Yes No

2. Percentage Fill (%) _____

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes No

**Color** _____

**Odor**

1. Odor Strength (circle one)

None Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

N/A Other _____

**Moisture Condition (circle one)**

Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** _____

ASTM WATER LOT # 540136

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By WT 05222014

Sample ID EB2 - 05222014 Date/Time 05/22/2014 15:30

Matrix (circle one): Soil Sediment (Water)

Start Depth WT 05222014

End Depth

Depth Units (circle one): Inches Feet WT 05222014

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): N FD FB (RB)

Parent Sample ID N/A

Field Geologist Frank Morris

Sampler Pam Hartman

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | ⊗ |
| | | EPA 6020 | ⊗ |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | ⊗ |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | ⊗ |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | ⊗ |
| | PCBs/PCTs | EPA 8082 | ⊗ |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | ⊗ |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | ⊗ |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | ⊗ |
| | TPH-EFH | EPA 8015 | ⊗ |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | ⊗ |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

WT 05/22/2014

**Fill Material**

1. Is Fill Material Present Yes No

2. Percentage Fill (%) _____

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes No

**Color** _____

**Odor**

1. Odor Strength (circle one)

None Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

N/A Other _____

**Moisture Condition (circle one)**

Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** ASTM D07 # 54036

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By 05222014

Sample ID EB1-052214 Date/Time 05/22/2014 15:00

**Matrix (circle one)**: Soil Sediment (Water)

Start Depth

End Depth

**Depth Units (circle one)**: Inches Feet

**Check if Composite** ☐

**Collection Method (circle one)**: DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment

**QC Type (circle one)**: N FD FB (RB)

Parent Sample ID N/A

Field Geologist Frank Morris

Sampler Pam Hartman

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | ⊗ |
| | | EPA 6020 | ⊗ |
| | | EPA 7471 (Soil) | X VOA 052214 |
| | | EPA 7470 (Water) | ⊗ |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | ⊗ |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | ⊗ |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | ⊗ |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | ⊗ |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | ⊗ |
| | TPH-EFH | EPA 8015 | ⊗ |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes No

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other _____ | | |

**Is Staining Present** Yes No

**Color** _____

**Odor**

1. **Odor Strength (circle one)**
   None Slight Strong

2. **Odor Description (circle one)**
   Organic Petroleum Chemical
   N/A Other _____

**Moisture Condition (circle one)**
Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** ASTM LOT # 540316

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Sheryl Mupel

Sample ID EB-060514 Date/Time 06/05/2014 1500

Matrix (circle one): Soil | Sediment | (Water) | Plant

Start Depth _____ (Shallow)

End Depth _____

Depth Units (circle one): Inches | Feet (Shallow)

Check if Composite ☐

Collection Method (circle one): DPT | Slide Hammer | (Hand Auger/Slide Hammer) | Trenching | Sediment | Cutting | Shovel

QC Type (circle one): N | FD | FB | (RB)

Parent Sample ID NA

Field Geologist Whitney Treadway

Sampler Pam Hartman

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | X |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | X |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

SM/SP

**Fill Material**

**1. Is Fill Material Present** Yes No

**2. Percentage Fill (%)** _____

**3. Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes No

**Color** _____

**Odor**

**1. Odor Strength (circle one)**

None Slight Strong

**2. Odor Description (circle one)**

Organic Petroleum Chemical

N/A Other _____

**Moisture Condition (circle one)**

Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** _____

ASTM WATER LOT # 54036

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Stephanie Lee

Sample ID EB1-061214 Date/Time 06/12/14 1500

**Matrix (circle one)**: Soil, Sediment, (Water), Plant

Start Depth (Soil/Sed) _____

End Depth _____

**Depth Units (circle one)**: Inches, (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT, Slide Hammer, (Hand Auger/Slide Hammer), Trenching, Sediment, Cutting, Shovel

**QC Type (circle one)**: N, FD, FB, (RB)

Parent Sample ID NA

Field Geologist Frank Morris

Sampler Pam Hartman

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | X |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | X |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | X |
| | Pesticides | EPA 8081 | X |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

Sandy Loam

**Fill Material**

1. **Is Fill Material Present** Yes No

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes No

**Color** _____

**Odor**

1. **Odor Strength (circle one)**

None Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

N/A Other _____

**Moisture Condition (circle one)**

Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** _____

ASTM WATER LOT# 540360

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Stephen Rupert

Sample ID EB2-060214 Date/Time 06/12/2014 1530

**Matrix (circle one)**
Soil Sediment (Water) Plant

Start Depth _____ End Depth _____ (NA)

**Depth Units (circle one)**
Inches Feet (NA)

Check if Composite ☐

**Collection Method (circle one)**
DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment Cutting Shovel

**QC Type (circle one)**
N FD FB (RB)

Parent Sample ID NA

Field Geologist Whitney Treadway

Sampler Pam Hartman

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | X |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | X |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | X |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

USCS Equiv

**Fill Material**

1. **Is Fill Material Present** Yes No

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes No

**Color** _____

**Odor**

1. **Odor Strength (circle one)**

None Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

N/A Other _____

**Moisture Condition (circle one)**

Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** _____

ASTM WATER Lot # 540360

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Stefanie Mysel

Sample ID EB1-061814 Date/Time 06/18/2014 1500

**Matrix (circle one)**
Soil Sediment (Water) Plant

Start Depth _____ (Start 061814)

End Depth _____

**Depth Units (circle one)**
(Inches) Feet (Start 061814)

Check if Composite ☐

**Collection Method (circle one)**
DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment Cutting Shovel

**QC Type (circle one)**
N FD FB (RB)

Parent Sample ID NA

Field Geologist Frank Morris

Sampler Stefanie Mysel

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | X |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | X |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | X |
| | 1,4 Dioxane | EPA 8260 SIM | X |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

Sandstone

**Fill Material**

1. **Is Fill Material Present** Yes No

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes No

**Color** _____

**Odor**

1. **Odor Strength (circle one)**

None Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

N/A Other _____

**Moisture Condition (circle one)**

Dry Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** _____

ASTM WATER LOT # 54036

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-874 | 5A | 05/20/2014 | 05/20/2014 |

| | | |
|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | Total Depth: 13.5' |
| Company Name: CDM SMITH | Drill Contractor/Driller: Strongarm | |
| GPS collected? (Yes) or No | Drill Method: DPT - Macrocore | Depth Drilled into Bedrock: 0.2' |
| Radiological Background: 9/59 | Borehole diameter: 2.25" ϕ | |
| PID Background: 0.0 | Depth to GW: NA | Sampling Method: DPT - Macrocore |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: #7735 | Geologist: E. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.1 | 11/86 | FDG2-SL 874-SA5A SB-0.0-0.5 | 0820 | GM | silty GRAVEL, w/ sand, poorly-sorted, pale brn. (7.5YR 6/3), igneous/metamorphic clasts, loose, dry (FILL) |
| 1 | 4.0/3.5 | 0.0 | 11/72 | | | | some staining @ 1.3' (2") 0.2-0.3 ppm |
| 2 | | MAX 0.5 | 11/66 | | | SW | poorly-sorted SAND + GRAVEL, some silt, slt. stain (dk. brown 7.5YR 3/2 @ 2.6' mottled) |
| 3 | | 0.0 | 14/80 | | | SC | clayey SAND @ 2.9' (7.5YR 4/4) to (7.5YR 3/2) highly mottled dark/blk stain and Fe red stain), trace of clay, med. dense |
| 4 | 4.0/4.0 | 0.0 | 12/64 | FD62-SL 874-SA5A SB-4.0-5.0 MS | 0915 | SC | same as above in sampled zone |
| 5 | | 0.3 | 12/84 | FD62-SL 1174-SA5A SB-4.0-5.0 | 0925 | SP | fairly well-sorted SAND, w/ silt, trace gravels strong brown (7.5YR 4/6), slt. moist to dry (FILL?) |
| 6 | | 0.2 | 12/66 | | | | |
| 7 | | 0.2 | 12/72 | | | | |
| 8 | 4.0/4.0 | 0.2 | 12/54 | | | | (same as above) |
| 9 | | 0.1 | 10/54 | FD62-SL 874-SA5A SB-9.0-10.0 | 0935 | | color change to light brownish gray (10YR 6/2), slt increase in clay |
| 10 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

Thrown out and re-sampled @ 12.0 to 13.0'

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-874 | 5A | 05/20/2014 | 05/20/2014 |
| Project: SSFL Round 2 | | Geologist: F. Morris | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 10 | | 0.1 | 10/92 | | | SP | (Same as above) w/ abundant Fe Stain |
| 11 | | 0.1 | 10/78 | | | | |
| 12 | 4.0' | 0.1 | 10/74 | | | | Concrete @ 11.5' (4") and rock fragments (FILL?). |
| | 1.5' | | | FDG2-SL-874-SA5A | 1015 | | Med. grained SAND fairly well-sorted, weathered sandstone, reddish yellow (7.5YR 6/8), dry |
| 13 | | 0.2 | 11/60 | SB-12.0-13.0 | | | |
| | | 0.0 | 10/84 | | | | Refusal @ 13.5' in 1st boring and 12.0' in 2nd boring (bedrock) |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Pauline Kemp

Sample ID FDG2SL-874-SA5A-SB-0.0-0.5 Date/Time 05202014 / 0820

Matrix (circle one): (Soil) Sediment Water

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment

Frm 5/20/14

QC Type (circle one): (N) FD FB RB

Parent Sample ID _____

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| (Igneous/Metamorphic Gravel) | | N/A |

Other _____

**Is Staining Present** (Yes) minor No

**Color** 7.5YR 6/3

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** Nikki Hoffman **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Morris

Sample ID FDG2-SL-874-SASA-SB-4.0-5.0 MS Date/Time 05202014/0915

Matrix (circle one): (Soil) Sediment Water

Start Depth 4.0

End Depth 5.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID _____

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC (circled) | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other trace of rock frags | | |

**Is Staining Present** (Yes) No

Color (7.5YR 4/4) to (7.5YR 3/2) mottled

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

Dry ~~to~~ Moist Wet

PG Signature Nikki Hoffman PG Registration # 7735

Additional Comments _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature] 5/20/14

Sample ID FDG2-SL-#1174-SA5A-SB-4.0-5.0 Date/Time 05202014/0925

**Matrix (circle one)**: (Soil) Sediment Water

Start Depth 4.0

End Depth 5.0

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

**QC Type (circle one)**: N (FD) FB RB

Parent Sample ID FDG2-SL-874-SA5A-SB-4.0-5.0 MS

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | (SC) | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other trace of rock frags.

**Is Staining Present** (Yes) No

Color 7.5YR 4/4 to 7.5YR 3/2

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

Dry to (Moist) Wet

PG Signature Mike Hoffman PG Registration # 7735

Additional Comments _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Roberts

Sample ID FDG-2-SL-874-SASA-SB-12.0-13.0 Date/Time 05202014/1015

Matrix (circle one): (Soil) Sediment Water

Start Depth 12.0

End Depth 13.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends; Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present Yes (No)

2. Percentage Fill (%) NA (?)

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** (Yes) No Fe

**Color** 7.5YR 6/8

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** Mike Hoffman **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-875 | SA-4 | 06/16/2014 | 06/16/2014 |

| | | |
|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | Total Depth: 2.8' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | |
| GPS collected? (Yes) or No | Drill Method: Hand Auger | Depth Drilled into Bedrock: NA |
| Radiological Background: 14/45 | Borehole diameter: 2.5" ϕ | |
| PID Background: 0.0 | Depth to GW: NA | Sampling Method: Hand Auger |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No. [signature] #7735 | Geologist: F. MORRIS |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.0 | 13/88 | FDG2-SL-875-SA5A-SB-0.0-0.5 | 0820 | SM | Silty SAND, w/ gravel (sandstone), yellowish brown (10YR 5/4), poorly-sorted, trace roots, dry |
| 1 | | 0.0 | 11/85 | | | | |
| | | | | | | | silt content increases to ~50% @ 2'-3' |
| 2 | | 0.0 | 13/91 | FDG2-SL-875-SA5A-SB-2.0-3.0 MS | 0845 | | |
| 3 | | 25.2 | 12/78 | FDG2-SL-1175-SA5A-SB-2.0-3.0 | 0950 | | End of boring @ 2.8' refusal on bedrock. |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

Page___of___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

**FSDS Checked By** _____

**Sample ID** FD62-SL-875-SA5A-5B-0.0-0.5 **Date/Time** 06/16/2014 / 0820

**Matrix (circle one)**: (Soil) Sediment Water Plant

**Start Depth** 0.0

**End Depth** 0.5

**Depth Units (circle one)**: Inches (Feet)

**Check if Composite** (Duplicate) ✓

**Collection Method (circle one)**: DPT Slide Hammer (Hand Auger) Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

**Parent Sample ID** NA

**Field Geologist** FRANK MORRIS

**Sampler** SANDY DO

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

### Fill Material

1. Is Fill Material Present (Yes) No — FPN 6/16/14

2. Percentage Fill (%) 10% ?

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | (Wood) | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other Foreign Rock Fragment | | |

**Is Staining Present** Yes (No)

**Color** 10YR 5/4

### Odor

1. Odor Strength (circle one) — FPN 6/16/14

None (Slight) Strong

2. Odor Description (circle one) — FPN 6/16/14

(Organic) Petroleum Chemical

N/A Other _____

### Moisture Condition (circle one)

(Dry) Moist Wet

**PG Signature** Mike Hoffman **PG Registration #** 7735

**Additional Comments** Slide Hammer and Stainless Steel sleeves not used due to noise restriction for nesting birds.

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By 06162014/0845 SD 6-16-14

Sample ID FDG2-SL-875-SA5A-SB20-3.0MS Date/Time 06162014/0845

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 2.0

End Depth 3.0

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ✓ (2 x 8oz jars)

**Collection Method (circle one)**: DPT Slide Hammer (Hand Auger)/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler SANDY DO

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | X SD 6/16/14 |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | X |
| | 1,4 Dioxane | EPA 8260 SIM | X |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)
2. **Percentage Fill (%)** N/A
3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 6/4

**Odor**

1. **Odor Strength (circle one)**

None (Slight) Strong

2. **Odor Description (circle one)**

(Organic) Petroleum Chemical

N/A Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** Mike Hoffman **PG Registration #** 7735

**Additional Comments** Hand Auger used to sample due to noise restrictions for nesting birds

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By

Sample ID FDG2-SL-1175-SA5A-SB-2.0-3.0 Date/Time 06/6/2014 / 0850

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 2.0

End Depth 3.0

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☑

**Collection Method (circle one)**: DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment Cutting Shovel

**QC Type (circle one)**: N (FD) FB RB

Parent Sample ID FDG2-SL-875-SA5A-SB-2.0-3.0 MS

Field Geologist FRANK MORRIS

Sampler SANDY DO

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | X |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | X |
| | 1,4 Dioxane | EPA 8260 SIM | X |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

### Fill Material

1. Is Fill Material Present: Yes (No)

2. Percentage Fill (%): NA

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 5/4

### Odor

1. Odor Strength (circle one)

None (Slight) Strong

2. Odor Description (circle one)

(Organic) Petroleum Chemical

N/A Other _____

### Moisture Condition (circle one)

(Dry) Moist Wet

**PG Signature** [signature] **PG Registration #** 7735

**Additional Comments** Hand Auger used to sample due to noise restrictions for nesting birds

NA – Not Applicable

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-876 | 5A | 06/16/2014 | 06/16/2014 |

| | | |
|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | Total Depth: 4.5' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | |
| GPS collected? (Yes) or No | Drill Method: Hand Auger | Depth Drilled into Bedrock: NA |
| Radiological Background: 13/46 | Borehole diameter: 2.5" Φ | |
| PID Background: 0.0 | Depth to GW: NA | Sampling Method: Hand Auger |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No. [signature] #7735 | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.0 | 15/83 | FDG2-SL-876-SA5A-SB-0.0-0.5 | 0915 | SM | silty SAND, v.fg., yellowish brown (10YR 5/4), mod well sorted, clasts of weathered sandstone, |
| 1 | | 0.2 | 14/61 | | | | |
| 2 | | 0.0 | 13/47 | | | SP | SAND, some silt, well-sorted, reddish brown (Fe-stain) (5YR 4/4), trace of coarse sand, dry |
| 3 | | 0.1 | 13/51 | | | | Sandstone clasts (weathered bedrock) @ ~4.0 |
| 4 | | 0.0 | 12/93 | FDG2-SL-876-SA5A-SB-4.0-5.0 | 0945 | | Fe Stain |
| | | | | | | | Refusal @ 4.5' End of boring |
| 5 | | 0.1 | 13/55 | | | | |
| 6 | | | | | | | |

Form 6/16/14

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By _____

Sample ID FDG-2-SL-876-SASA-SB-0.0-0.5 Date/Time 06/16/2014 / 0915

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler SANDY DO

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present Yes (No)

2. Percentage Fill (%) N/A

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** (Yes) No — Slight

**Color** 10YR 5/4

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** [signature] **PG Registration #** 7735

**Additional Comments** Used hand auger for sampling in lieu of SS sleeves due to noise restrictions for nesting birds

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By _____

Sample ID FDG2-SL-876-SA5A-SB-4.0-5.0 Date/Time 06/6/2014 / 0945

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 4.0

End Depth 5.0

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler SANDY DO

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP (circled) | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)
2. **Percentage Fill (%)** N/A
3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** (Yes) No — Fe stain

**Color** 5YR 4/4

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** Used hand auger for sampling in lieu of 55 Sieve due to noise restrictions for nesting birds

| Location ID: DG-877 | Subarea: SA | Date Started: 06/16/2014 | Date Completed: 06/16/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 3.2' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | | |
| GPS collected? (Yes) or No | Drill Method: Hand Auger | | Depth Drilled into Bedrock: NA |
| Radiological Background: 15/64 | Borehole diameter: 2.5" ø | | |
| PID Background: 0.0 | Depth to GW: NA | | Sampling Method: Hand Auger |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: | | Geologist: E. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.0 | 15/64 | FDG2-SL-877-SASA-SB-0.0-0.5 | 1055 | SM | silty SAND, trace of coarse sand/gravel clasts, yellowish brown (10YR 5/4), dry |
| 1 | | 0.1 | 13/112 | | | | |
| 2 | | 0.1 | 13/91 | | | SP | SAND, v.fg. w/ silt, (5YR 4/4) reddish brown Fe stain observed below 2', trace of sandstone concretions), dry |
| 3 | | 0.0 | 12/88 | FDG2-SL-877-SASA-SB-3.0-4.0 | 1110 | | End of boring @ 3.2' top of bedrock (weathered) |
| 4 | | (2.2) | (14/64) | | | | |
| 5 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By _____

Sample ID FDG2-SL-877-SASA-SB-0.0-0.5 Date/Time 06162014 / 1055

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler SANDY DO

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH ≤ 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH ≤ 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present Yes (No)
2. Percentage Fill (%) NA or <5%
3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other trace foreign rock clasts

**Is Staining Present** Yes (No)

**Color** 10 YR 5/4

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** Hand auger used to sample in lieu of SS sleeves due to noise restrictions for nesting birds.

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By _____

Sample ID FDG2-SL-877-SA5A-SB-3.0-4.0 Date/Time 06/6 2014 / 1110

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 3.0

End Depth 4.0 (Actual 3.2')

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler SANDY DO

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well graded SAND |
| | | | | SP (circled) | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

### Fill Material

1. Is Fill Material Present: Yes (No)

2. Percentage Fill (%) _____

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** (Yes) No — Fe stain

**Color** 5YR4/4

### Odor

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

### Moisture Condition (circle one)

(Dry) Moist Wet

**PG Signature** [signature] **PG Registration #** 7735

**Additional Comments** Hand auger used to sample in lieu of SS sleeves due to noise restrictions for nesting birds

NA – Not Applicable

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-878 | 5A | 06/11/2014 | 06/11/2014 |

| | | |
|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | Total Depth: 4.6' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | |
| GPS collected? (Yes) or No | Drill Method: Hand Auger | Depth Drilled into Bedrock: NA |
| Radiological Background: 10/56 | Borehole diameter: 2.5" ϕ | |
| PID Background: 0.2 | Depth to GW: NA | Sampling Method: Slide Hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: #7735 | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.8 | 15/92 | FDG2-SL-878-SA5A-SB-0.0-0.5 | 0825 | SM | SAND w/ silt, v.fg., loose, brown (10YR 4/3), trace of sandstone rock fragments, wood chips, dry (Fill ?) |
| 1 | | 0.7 | 11/97 | | | | |
| 2 | | 0.6 | 12/93 | | | | same as above slt. color change (10YR 5/3) |
| 3 | | 0.8 | 12/89 | | | | |
| 4 | | 0.7 | 13/91 | FDG2-SL-878-SA5A-SB-4.0-5.0 | 0855 | ? SP | SAND, some silt, mod. well-sorted, med. dense slt. limonitic concretions in weathered sandstone fragments, yellowish-brown (10YR 5/4), dry |
| 5 | | | | | | | End of boring @ 4.6' refusal 0.7 ppm/ 12 µR/ 90 cpm |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

Page___of___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randy Roberts

Sample ID FDG2-SL-878-SA5A-SB-0.0-0.5 Date/Time 06/12/2014 / 0825

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler RANDY ROBERTS

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** (Yes) No

2. **Percentage Fill (%)** 50% ?

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete (Wood) Glass

Igneous/Metamorphic Gravel (N/A) From 6/11/14

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 4/3

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randy Roberts

Sample ID FDG2-SL-878-SA5A-SB-4.0-5.0 Date/Time 06112014/0855

Matrix (circle one): (Soil) Sediment Water Plant

Start Depth 4.0

End Depth 5.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☑ 2 splits

Collection Method (circle one): DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment Cutting Shovel

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler RANDY ROBERTS

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP (circled) | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** NA

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** (Yes) No — minor limonite/Fe

**Color** 10YR 5/4

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| 5B-DG-798 | 5B | 05/07/2014 | 05/07/2014 |

| | | |
|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Lab/99489 | Total Depth: 2.3' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | |
| GPS collected? (Yes) or No | Drill Method: Hand Auger | Depth Drilled into Bedrock: NA |
| Radiological Background: 12/52 | Borehole diameter: 2" φ | |
| PID Background: 0.0 ppm | Depth to GW: | Sampling Method: Slide Hammer |
| Radiological Equipment Used: [✓] MicroR [✓] Alpha/Beta [✓] Pancake | PG Review & No.: | Geologist: F. MORRIS |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.4/0.5 | 0.0 | 15/76 | SL-5B-DG-798-SB-0.0-0.5 | 5/7/14 12:29 | SP | silty SAND, med. brn. (7.5YR4/2), trace roots (grass), dry, some gravel @ 1.0', subrounded to well-rounded |
| 1 | 12/62 | | | | | | fine SAND w/ silt, brn. (7.5YR5/3) trace gravel, rooting, dry, slt. darker @ 1.6' (7.5YR3.3) |
| 2 | 0.3/0.6 | | | SL-5B-DG-798-SB-2.0-3.0 | 5/7/14 13:25 | ML | SILT some clay, mottled, yellow brn., oxidized, trace of laminae, weathered bedding observed, oxidized color (7.5YR 7/6), dry (concretions) slt. moist |
| 3 | 12/102 | | | | | | Refusal @ 2.3' weathered sandstone, w/ clastic texture, no sample collected due to insufficient volume. |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | | |
|---|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace | nr:no recovery |
| c: coarse | lt: light | rnd: rounded | v: very | |
| dk: dark | m: medium | sa: subangular | wg: well graded | |
| f: fine | mod: moderate | sr: subrounded | φ: diameter | bgs:below ground surface |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Steff Mupel

Sample ID FDG-SL-~~5B-DG-798-5B~~-798-SA5B-SB-0.0-0.5 SM 050714

Date/Time 05/07/2014 / 12:29

**Matrix (circle one)**: (Soil) Sediment Water

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID _____

Field Geologist FRANK MORRIS

Sampler WHITNEY TREADWAY

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals Incl. - Hg, Ag | EPA 6010 B/6010 C | X |
| | | EPA 6020 / 6020A | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | X from 5/7/14 |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

Soil Moisture

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

SW SM SC

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** NA

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** 7.5YR 4/2

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7955

**Additional Comments** _____

NA – Not Applicable

Santa Susana Field Laboratory/94489

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-836 | 5B | 05/13/2014 | 05/13/2014 |

| | | |
|---|---|---|
| Client: DOE | Project Name/#: ~~SSFL-66268-63376.4203.002.223.02231.SSPH8~~ PB | Total Depth: 19.8' |
| Company Name: CDM SMITH | Drill Contractor/Driller: Strongarm | |
| GPS collected? Yes or No | Drill Method: DPT - Macrocore | Depth Drilled into Bedrock: NA |
| Radiological Background: 12/59 | Borehole diameter: 2.25" Φ | |
| PID Background: 0.1 ppm | Depth to GW: NA | Sampling Method: DPT - Macrocore |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: [signature] #1735 | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 4.0/4.0 | 0.1 | 11/97 | NA | NA | GP | GRAVEL fill (igneous + metamorphic clasts w/ interbedded clayey SAND, lt. brn to reddish/brn (7.5YR 6/3 to 7.5YR 5/6), dry (Fill?) |
| 1 | | | 12/60 | | | | |
| 2 | | | 12/66 | | | | |
| 3 | | | 12/94 | | | | |
| 4 | 4.0/4.0 | | 12/114 | | | SW | gravelly SAND, w/ igneous + other clasts, poorly sorted, greenish grey (5Y 5/2), Fill(?), dry |
| 5 | | | 12/60 | | | | |
| 6 | | | 12/72 | | | | |
| 7 | | | 12/96 | | | CL | sandy CLAY, reddish brn. (5YR 4/3), some gravel, dry (Fill?) |
| 8 | 4.0/4.0 | 0.2 | 12/80 | | | SC | Sandy CLAY to clayey SAND @ 8.2', brn. to dk. reddish brn. mottled w/ various weathered clastics, (5YR 4/6 - 3/3), dry (Fill?) |
| 9 | | | 12/70 | | | | |
| 10 | | | | | | | |

5/19/14

CDM Smith

**BORING LOG AND SAMPLING RECORD**



ABBREVIATIONS:

| | | | | |
|---|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace | nr:no recovery |
| c: coarse | lt: light | rnd: rounded | v: very | |
| dk: dark | m: medium | sa: subangular | wg: well graded | |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter | bgs:below ground surface |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-836 | SB | 05/13/2014 | 05/13/2014 |
| **Project:** SSFL | | **Geologist:** F. Morris | **Total Depth:** 19.8' |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 10 | 4.0/4.0 | 0.2 | 12/60 | | | SC | (Same as above) |
| 11 | | | 12/78 | | | | |
| 12 | 4.0/4.0 | | 12/91 | | | SW | poorly graded SAND w/ gravel, loose, lt. brn. (10YR 6/3), limonite blebs, iron staining, in transition to clayey SAND @ 12.6' |
| 13 | | | 12/84 | | | SC | |
| 14 | | | 12/66 | | | | |
| 15 | | | 12/104 | FDG-SL-836-SASB-SB-15.0-16.0 | 1100 | | |
| | | | | | | CL | silty CLAY, dk. reddish brn. (5YR 3/2), very stiff to hard, dry, (Fill?) |
| 16 | 4.0/3.9 | | 12/66 | | | SW | poorly graded SAND w/ gravel, greenish gray (5Y 6/2), weathered sandstone(?), dry |
| 17 | | | 12/102 | | | | |
| 18 | | | 12/64 | | | | |
| 19 | | | 12/60 | FDG-SL-836-SASB-SB-19.0-20.0 | 1120 | | |
| 20 | | | 12/72 | | | | Refusal @ 19.8' – sandstone in cutting shoe |

CDM Smith

BORING LOG AND SAMPLING RECORD

Page___of___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Whitney Treadway

Sample ID FDG-SL-836-SASB-SB-15.0-16.0 Date/Time 05132014/1100

Matrix (circle one): (Soil) Sediment Water

Start Depth 15.0

End Depth 16.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID

Field Geologist Frank Morris

Sampler Whitney Treadway

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

SC upper 6"

CL lower 6"

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | (Wood) | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other Various rock clasts | | |

**Is Staining Present** (Yes) No — Iron — EP 5/19/14

**Color** 5YR 3/2

**Odor**

1. Odor Strength (circle one)

None Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Whitney Treadway

Sample ID FDG-SL-836-SA5B-SB-19.0-20.0 Date/Time 05/3/2014 /1120

Matrix (circle one): (Soil) Sediment Water

Start Depth 19.0

End Depth 20.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID _____

Field Geologist Frank Morris

Sampler Whitney Treadway

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** NA

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** 5Y 5/2

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-837 | 5B | 05/13/2014 | 05/13/2014 |

| | | |
|---|---|---|
| Client: DOE | Project Name/#: ~~SSFL-65258-63376.1203.002.223.02234.SSPH3~~ PB | Total Depth: 12.3' |
| Company Name: CDM SMITH | Drill Contractor/Driller: Strongarm | |
| GPS collected? Yes or No | Drill Method: DPT - Macrocore | Depth Drilled into Bedrock: NA |
| Radiological Background: 12/52 | Borehole diameter: 2.25" ϕ | |
| PID Background: 0.1 | Depth to GW: NA | Sampling Method: DPT - Macrocore |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: Mike Hoffman #775 | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 4.0/ | 0.1 | 12/77 | NA | NA | SW | gravelly SAND, well-graded, lt. brn to brn. (7.5YR5/3) med. dense, various gravel clasts (igneous to quartz) sub-rounded to sub. angular, rooting, dry (Fill ?). |
| 1 | | | 12/50 | | | | |
| 2 | | | 12/102 | | | | |
| 3 | | | 12/60 | | | | some silt + clay >25% @ 3.2' to 4.0 |
| 4 | | | 12/78 | | | SP | poorly ~~sorted~~ graded SAND, 4.0 to 4.2', lt. brn. (2.5Y6/3) |
| | 4.0/4.0 | 0.2 | / | | | SC | clayey SAND, mottled, black to reddish brn. (5YR 5/3), iron stain and MNO8(?). (Fill ?) |
| 5 | | | 12/54 | | | | |
| 6 | | | 12/60 | | | | |
| 7 | | | 12/72 | | | | |
| 8 | | | 12/70 | | | | |
| | 4.0/4.0 | 0.1 | | | | SW/SC | poorly sorted silty SAND, with gravel + trace of clay increasing w/ depth, various rock fragments, iron staining, dry (Fill ?) |
| 9 | | | 12/91 | | | | |
| 10 | | | | | | | |

CDM Smith

## BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | | |
|---|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace | nr:no recovery |
| c: coarse | lt: light | rnd: rounded | v: very | |
| dk: dark | m: medium | sa: subangular | wg: well graded | |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter | bgs:below ground surface |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-837 | 5B | 05/13/2014 | 05/13/2014 |
| **Project: SSFL** | | **Geologist: F. Morris** | **Total Depth: 12.3'** |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 10 | 4.9/4.9 | 0.1 | 12/78 | | | SC | (Same as above) - fill? |
| 11 | | | 12/96 | | | | |
| 12 | 2.5/2.5 | | 12/84 | | | SP | Weathered sandstone, well-sorted/poorly graded med. to fine grain, pale brn. (2.5Y 7/4 |
| | | | | | | | Refusal @ 12.3' weathered sandstone |

CDM Smith

BORING LOG AND SAMPLING RECORD

Page ___ of ___

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-838 | SASB | 01/13/14 MONDAY 1320 | 01/13/14 |

| Client: DOE | Project Name/#: Santa Susana Field Lab/99489 | Total Depth: |
|---|---|---|
| Company Name: CDM SMITH | Drill Contractor/Driller: SAFS | 7.6', 7.7', 7.2' |
| GPS collected? Yes or No | Drill Method: DPT | Depth Drilled into Bedrock: |
| Radiological Background: .6.5 01/13/14 14/66 | Borehole diameter: 2.25" | NA |
| PID Background: 0.0 | Depth to GW: NA | Sampling Method: |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No: Mike Hoffman #7735 | DPT |
| | | Geologist: C. Cox |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | 0.0 | 12/66 | SL-838-SASB-SB-0.0-0.5 | 1330 | SP-SM | SAND WITH SILT: Brownish yellow (10YR 6/6); 90%. sand, pg, f-m, mostly m; 10%. silt, low plastic to nonplastic; t gravel (igneous), f, max ϕ=0.3" sa-sr; t Concrete, t ss formation, dry, no odor (FILL) |
| | 1 | 0.0 | 9/54 | | | | |
| | 2 | 0.0 | 9/72 | | | SM | SILTY SAND: Brown (~~10YR~~ 7.5YR 5/4); 85%. sand, pg, f-m, mostly m; 15%. silt, low plasticity; t red brick, t micaceous material at 1.8'-2.0', dry, no odor (FILL) |
| | 3 3.7 / 4.0 | 0.0 | 9/84 | | | | ~~SILTY SAND~~ Dark brown (10YR 3/3); 65% silt, SANDY SILT low plasticity, 35%. sand, pg, f-m, mostly f; t SS formation, t. fine roots, mottled color, dry to moist, NO odor, (FILL) |
| | 4 | 0.0 | 9/98 | SL-1138-SASB-SB-4.0-5.0 | 1340 ~~1410~~ | ML | |
| | 5 | 0.0 | 9/54 | SL-838-SASB-SB-4.0-5.0MS | 1410 | | |
| | 6 4.8 / 5.0 | 0.0 | 9/66 | | | SM | SILTY SAND: Yellowish brown (10YR 5/6); 85%. sand, pg, f-m; 15%. silt, low plasticity; dry, no odor; color change to yellow (10YR 7/6) at 7.0' |
| | 7 | 0.0 | 9/72 | | | | |
| | 8 | 0.0 | 9/102 | | | SP | SAND: Yellow (10YR 7/6); 95%. sand, pg, f-m, mostly m; 5%. silt, nonplastic; dry to moist, Refusal at SS Formation @ 7.6', 7.7', 7.2' |

CDM Smith

## BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | | |
|---|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace | nr:no recovery |
| c: coarse | lt: light | rnd: rounded | v: very | |
| dk: dark | m: medium | sa: subangular | wg: well graded | |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter | bgs:below ground surface |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By R. Alexander

Sample ID SL-838-SASB~~SB~~0.0-0.5 Date/Time 01/13/14 1330

Matrix (circle one): (Soil) Sediment Water

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist C. Cox

Sampler K. Larson

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

2-SS sleeves
1-4oz jar

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** (Yes) No
2. **Percentage Fill (%)** 100
3. **Fill Description (circle all that apply)**

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| (Concrete) | Wood | Glass |
| (Igneous/Metamorphic Gravel) | | N/A |
| (Other) SS formation | | |

**Is Staining Present** Yes (No)

**Color** Brownish yellow (10yR6/6)

**Odor**

1. **Odor Strength (circle one)**: (None) Slight Strong
2. **Odor Description (circle one)**: Organic Petroleum Chemical (N/A) Other _____

**Moisture Condition (circle one)**: (Dry) Moist Wet

**PG Signature** Mike Hoffman **PG Registration #** 7735

**Additional Comments** None

11/13/14

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By R. Alexander

Sample ID SL-838-SA5B-SB-4.0-5.0MS Date/Time 01/13/14 1410

Matrix (circle one): (Soil) Sediment Water

Start Depth 4.0

End Depth 5.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist C. Cox

Sampler K. Carson

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

6 1602 jars

6 encore samplers

QC 1/13/14

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No
2. Percentage Fill (%) 100
3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |

(Other) SSformation

**Is Staining Present** Yes (No)

**Color** Dark brown (10YR 3/3)

**Odor**

1. Odor Strength (circle one)
   (None) Slight Strong
2. Odor Description (circle one)
   Organic Petroleum Chemical
   (N/A) Other _____

**Moisture Condition (circle one)**
(Dry) Moist Wet

**PG Signature** Mike Hoffman **PG Registration #** 7735

**Additional Comments** None

11/19/12

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By R. Alexander

Sample ID SL-1138-SA5B-SB-4.0-5.0 Date/Time 01/13/14 1340

Matrix (circle one): (Soil) Sediment Water

Start Depth 4.0

End Depth 5.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): N (FD) FB RB

Parent Sample ID SL-838-SA5B-SB-4.0-5.0MS

Field Geologist C. Cox

Sampler K. Larson

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

2-16oz jars
2-encore sampler

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| (Other) SS formation | | |

**Is Staining Present** Yes (No)

**Color** Dark brown (10yr 3/3)

**Odor**

1. Odor Strength (circle one)

None Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** Mike Hoffman **PG Registration #** 7735

**Additional Comments** None

NA – Not Applicable

| Location ID: DG-839 | Subarea: SA 5B | Date Started: TUESDAY 01/14/14 0830 | Date Completed: 01/14/14 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Lab/99489 | | Total Depth: 16.5', 16.6', 16.4' |
| Company Name: CDM SMITH | | Drill Contractor/Driller: SAFS | |
| GPS collected? (Yes) or No | | Drill Method: DPT | Depth Drilled into Bedrock: NA |
| Radiological Background: 14/96 | | Borehole diameter: 2.25" | |
| PID Background: 0.0 | | Depth to GW: NA | Sampling Method: DPT |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | | PG Review & No.: [illegible] #7735 | Geologist: C. Cox |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | | 0.0 | 14/48 | SL-839-SA5B-SB-0.0-0.5 | 0900 | SM | SILTY SAND: Dark yellowish brown (10YR4/4); 70% sand, pg, f-m; 30% silt, low plasticity; t ss formation, ~~clasts @ 0-0.8'~~ 1/14/14 t igneous clasts at 0-0.8'; t gravel (SS Formation), f-c, sa, max ϕ = 1.0', dry, no odor (FILL) |
| 1 | | 0.0 | 13/77 | | | | |
| 2 | 3.5/4.0 | 0.0 | 13/64 | | | | |
| 3 | | 0.0 | 13/102 | | | ML | SANDY SILT: Dark brown (10YR3/3); 70% silt, low plasticity, 30% sand, pg, f; t (siltstone) gravel, f, sa-sr, max ϕ 0.3" dry, no odor (FILL) |
| 4 | | 0.0 | 13/82 | SL-1139-SA5B-SB-4.0-5.0 | 0910 | SM | SILTY SAND: Dark yellowish brown (10YR4/4); 80% sand, pg, f-m, mostly f; 20% silt, low plasticity; ~~moist~~ 1/14/14 dry to moist (FILL), no odor |
| 5 | | 0.0 | 13/88 | SL-839-SA5B-SB 4.0-5.0 MS | 0915 | ML | SANDY SILT: dark yellowish brown (10YR4/4); 65% silt, low plasticity; 35% sand, pg, f; t gravel (SS Formation) sa-sr, max ϕ = 1.0", ~~f~~ c 1/14/14 at 5.6, dry to moist, no odor, (FILL) |
| 6 | 2.4/4.0 | 0.0 | 13/73 | | | ML | SANDY SILT: rem dark grayish brown (10YR3/2) 65% silt, low plasticity, 35% sand, pg, f-m; t micaceous material, t fine roots; mottled color, dry to moist (FILL), no odor |
| 7 | | 0.0 | 13/83 | | | SM | SILTY SAND: yellowish brown (10YR5/4); 75% sand, pg, f-m, mostly f; 25% silt, low plasticity; t gravel (siltstone), f 1/14/14 sa-sr, max ϕ = 0.75" at 8.8', dry to moist, no odor (FILL) |
| 8 | | 0.0 | 18/70 | | | | |
| 9 | 3.0/4.0 | 0.0 | 13/45 | SL-839-SA-5B-SB-9.0-10.0 | 1015 | | |
| 10 | | 0.0 | 13/55 | | | | |

CDM Smith

**BORING LOG AND SAMPLING RECORD**



ABBREVIATIONS:

| | | | | |
|---|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace | nr: no recovery |
| c: coarse | lt: light | rnd: rounded | v: very | |
| dk: dark | m: medium | sa: subangular | wg: well graded | |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter | bgs: below ground surface |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-839 | SA-5B | 01/14/14 | 01/14/14 |
| **Project:** SSFL | | **Geologist:** C. Cox | **Total Depth:** 16.5', 16.6', 16.4' |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 10 | | | | | | | SAND WITH SILT |
| 11 | 2.0 (01/14/14) | 0.0 | 13/75 | | | SM | ~~SILTY SAND WITH GRAVEL~~ (E 1/17/14): Yellowish brown (10YR 5/6), 80% sand, pg, f-m, mostly f; 10% gravel (SS formation), f-c, Sa-sr, max Ø = 1.5"; 10% silt, low plasticity; dry, no odor (FILL) |
| 12 | | 0.0 | 13/90 | | | SM | SILTY SAND: Very dark grayish brown (10YR 3/2); 60% sand, pg, f; 40% silt, low plasticity; tigneous clasts, mottled color; dry to moist; no odor (FILL) |
| 13 | 2.0/4.0 | 0.0 | 13/55 | | | SM | SILTY ~~SAND WITH GRAVEL~~ (E 1/17/14): Yellowish brown (10YR 5/6); 75% sand, pg, f-m, mostly m; 15% silt, low plasticity; 10% gravel (igneous, metamorphic, SS formation), f-c, Sa-sr, max Ø = 2.0"; t igneous clasts; moist to dry, moist @ 15.5'; no odor (FILL) |
| 14 | | 0.0 | 13/107 | | | | |
| 15 | 4.0/4.0 | 0.0 | 13/100 | | | | |
| 16 | | 0.0 | 13/79 | SL-839-SASB-SB-15.5-16.5 | 1030 | | |
| 17 | | | | | | SP | SAND: Light gray (10YR 7/2); 95% sand, pg, f; 5% silt, nonplastic (weathered bedrock), weak cementation; dry, no odor. |
| | | | | | | | Refusal at SS formation @ 16.5', 16.6', 16.4' |

CDM Smith

**BORING LOG AND SAMPLING RECORD**

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By R. Alexander

Sample ID SL-839-SA5B-SB-0.0-0.5 Date/Time 01/14/14 0900

Matrix (circle one): (Soil) Sediment Water

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist ~~K. Larson 01/14/13~~ C. Cox

Sampler ~~C. Cox 01/14/14~~ K. Larson

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

255 sleeves
1 402 jar

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| (Other) SSFormation | | |

**Is Staining Present** Yes (No)

**Color** Dark yellowish brown (10YR 4/4)

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** Mike Hoffman **PG Registration #** 7735

**Additional Comments** None

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By R. Alexander

Sample ID ~~SL-839-SA5B-SB-0~~ SL-839-SA5B-SB-4.0-5.0 MS (#1/1/15)

Date/Time 01/14/14 0915

Matrix (circle one): (Soil) Sediment Water

Start Depth 4.0

End Depth 5.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist C. Cox

Sampler K. Larson

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

2 6 16oz jar
6 encore samplers

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH ≤ 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH ≤ 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No
2. Percentage Fill (%) 100
3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| (Other) SS formation | | |

**Is Staining Present** Yes (No)

**Color** Dark yellowish brown (10YR 4/4)

**Odor**

1. Odor Strength (circle one)
   (None) Slight Strong
2. Odor Description (circle one)
   Organic Petroleum Chemical
   (N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** None

cc 1/24/14

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By R. Alexander

Sample ID SL-1139-SA5B-SB-4.0-5.0 Date/Time 01/14/14 0910

Matrix (circle one): (Soil) Sediment Water

Start Depth 4.0

End Depth 5.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): N (FD) FB RB

Parent Sample ID SL-839-SA5B-SB-4.0-5.0 MS

Field Geologist C. Cox

Sampler K. Larson

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

2 16oz jars
2 encore

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

(Other) SS Formation

**Is Staining Present** Yes (No)

Color Dark yellowish brown (10YR 4/4)

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

PG Signature [signature] PG Registration # 7735

Additional Comments None

6/4/19

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By

Sample ID SL-839-SA5B-SB-9.0-10.0 Date/Time 1/14/14 1015

Matrix (circle one): (Soil) Sediment Water

Start Depth 9.0

End Depth 10.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist C. Cox

Sampler K. Larson

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

2-16oz jars
2-encore

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** (Yes) No

2. **Percentage Fill (%)** 100

3. **Fill Description (circle all that apply)**

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |

(Other) Siltstone

**Is Staining Present** Yes (No)

**Color** Yellowish brown (10yr 5/4)

**Odor**

1. **Odor Strength (circle one)**

None Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** Mike Hoffman **PG Registration #** 7735

**Additional Comments** None

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature] RRA 1/14/14

Sample ID SL-839-SA5B-SB-15.5-16.5 Date/Time 1/14/14 1020-1030

Matrix (circle one): (Soil) Sediment Water

Start Depth 15.5

End Depth 16.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist C. Cox

Sampler K. Larson

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

2-160z jars
2-encore

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| (Igneous/Metamorphic Gravel) | | N/A |
| (Other) SS formation | | |

**Is Staining Present** Yes (No)

**Color** Yellowish brown (10YR 5/6)

**Odor**

1. Odor Strength (circle one)
   (None) Slight Strong

2. Odor Description (circle one)
   Organic Petroleum Chemical
   (N/A) Other _____

**Moisture Condition (circle one)**
Dry (Moist) Wet

**PG Signature** [signature] **PG Registration #** 7735

**Additional Comments** None

NA – Not Applicable

| Location ID: DG-840 | Subarea: SA 5B | Date Started: 01/13/14 MONDAY | Date Completed: 01/13/14 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Lab/99489 | | Total Depth: 8', 7.9', 7.6' |
| Company Name: CDM SMITH | Drill Contractor/Driller: SAFS | | |
| GPS collected? Yes or No 01/13/14 | Drill Method: DPT | | Depth Drilled into Bedrock: NA |
| Radiological Background: 15/45 14/15 | Borehole diameter: 2-25" | | |
| PID Background: 0.0 | Depth to GW: NA | | Sampling Method: DPT/split spoon |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: Mike Hoffman #7735 | | Geologist: C. Cox |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 0.0 | 15/45 | SL-840-SA5B-SB-0.0-0.5 | 1000 | SM | SILTY SAND: Brown (10YR 4/4), 80% sand, pg, f-m, 20% silt, low plasticity, t gravel (siltstone), f-c, max Φ = 2.0" dry to moist, no odor (FILL) t igneous clasts 01/13/14 |
| | | 0.0 | 12/35 | | | | |
| | 2 | 0.0 | 12/42 | | | SM | SILTY SAND: Brown (10YR 4/4), 85% sand, pg, f-m, 15% silt, low plasticity, t ss formation, t asphalt @ 1.7', dry to moist, no odor (FILL) |
| | 3 | 0.0 | 12/30 | | | SM | SANDY SILT: Brown (10YR 4/4), 70% silt, low plasticity, 30% sand, pg, f-m, t asphalt 01/13/14 t igneous clasts @ 3.2', t ss formation, dry to moist, no odor (FILL) |
| | 4 | 0.0 | 12/100 | SL-840-SA5B-SB-4.0-5.0 | 1040 | SM | SILTY SAND: Dark brown (10YR 3/3), 75% sand, pg, f, 15% silt, low plasticity, t asphalt clasts, (FILL), dry to moist, no odor (FILL) |
| | 5 | 0.0 | 9/54 | | | | |
| | 6 | 0.0 | 9/30 | | | SM | SILTY SAND: Yellowish brown (10YR 5/6), 85% sand, pg, f-m, mostly f; 15% silt, low plasticity, t igneous clasts; mottled color, moist to dry, no odor (FILL) |
| | 7 | 0.0 | 9/60 | SL-840-SA5B-SB-7.0-8.0 | 1045 | SM | SILTY SAND: Yellowish brown (10YR 5/6); 65% sand, pg, f-m, mostly f; 35% silt, low plasticity, med stiff; t asphalt @ 7.8'-8', moist @ 7.0', color change to greenish gray (GLEY 2 6/10GB) at 7.6', no odor (FILL) |
| | 8 | 0.0 | 9/60 | | | | |
| | 9 | | | | | | refusal at SS formation @ 8.0', 7.9', 7.6' |
| 10 | | | | | | | |

CDM Smith

**BORING LOG AND SAMPLING RECORD**



ABBREVIATIONS:

| | | | | |
|---|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace | nr: no recovery |
| c: coarse | lt: light | rnd: rounded | v: very | |
| dk: dark | m: medium | sa: subangular | wg: well graded | |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter | bgs: below ground surface |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Sleep Mupel

Sample ID SL-840-SA5B-SB-0.0-0.5 Date/Time 01/13/14 1000

Matrix (circle one): (Soil) Sediment Water

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist C. Cox

Sampler K. Carson

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TICs | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

2SS sleeves
1 402 jar

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

(Igneous/Metamorphic Gravel) N/A

(Other) Siltstone

**Is Staining Present** Yes (No)

**Color** Brown (10YR 4/4)

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** [signature] **PG Registration #** 7355

**Additional Comments** None

10/23/14

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Steff Meyer

Sample ID SL-840-SA5B-SB-4.0-5.0 Date/Time 01/13/14 1040

Matrix (circle one): (Soil) Sediment Water

Start Depth 4.0

End Depth 5.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist C. Cox

Sampler K. Larson

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

2 16oz jars
2 encore samplers

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100%

3. Fill Description (circle all that apply)

(Asphalt) Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel cc 11/13/14 N/A

Other ~~SS formation~~ Asphalt cc 11/13/14 cc 11/13/14

**Is Staining Present** Yes (No) 11/13/14

Color Dark Brown (10YR 4/4) cc 11/13/14

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

PG Signature [signature] PG Registration # 7735

Additional Comments None

cc 11/13/14

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By

Sample ID SL-840-SA5B-SB-7.0-8.0 Date/Time 01/13/14 1045

Matrix (circle one): (Soil) Sediment Water

Start Depth 7.0

End Depth 8.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID N/A

Field Geologist C. Cox

Sampler K. Larson

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

2 8oz jars
2 encore samplers

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No SM 11/3/14

2. Percentage Fill (%) 100

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| (Asphalt) | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other _____ | | |

**Is Staining Present** (Yes) No SM 11/13/13

**Color** yellowish brown (10YR 5/6) & greenish gray (GLEY 6/10GB)

**Odor**

1. Odor Strength (circle one)

None Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

Dry (Moist) Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** None

SM 11/3/14

NA – Not Applicable

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-841 | 5B | 05/14/2014 | 05/14/2014 |

| | | |
|---|---|---|
| Client: DOE | Project Name/#: ~~SSFL-65250-03370.1203.002.223.02231.SSPHS~~ PB | Total Depth: 10.0' |
| Company Name: CDM SMITH | Drill Contractor/Driller: Strongarm | |
| GPS collected? (Yes) or No | Drill Method: DPT - Macrocore | Depth Drilled Into Bedrock: 0.2' shale/mudstone |
| Radiological Background: 12/52 | Borehole diameter: 2.25" ϕ | |
| PID Background: 0.2 | Depth to GW: NA | Sampling Method: DPT - Macrocore |
| Radiological Equipment Used: [✓] MicroR [✓] Alpha/Beta [✓] Pancake | PG Reviewer & No.: #7735 | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 4.0/2.8 | 0.2 | 12/89 | ~~FDG-SL 841-SA5B~~ SB-0.0-0.5 | 0900 | GP/SP | sandy GRAVEL, lt. brn. (7.5YR 6/4), poorly-graded, gravel size are sandstone + quartz clasts, dry, trace silt, (Fill ?) |
| 1 | | 0.0 | 12/89 | | | | |
| 2 | | 0.0 | 12/90 | | | SC | clayey zone @ 2.3' - 2.6' w/ sand + gravel (Fill) |
| 3 | | | 12/108 | | | SP | gravelly SAND, brn. (7.5YR 5/4), fairly well sorted, trace of clay + silt |
| 4 | 4.0/4.0 | | 12/84 | FDG-SL 841-SA5B SB-4.0-5.0 | 0925 | SC | clayey SAND, dk. yellowish brn. (10YR 4/6), iron stain, dense to very dense, mottled, variable clasts, very poorly sorted, dry (FILL ?) |
| 5 | | | 12/90 | | | | |
| 6 | | | 12/84 | | | | |
| 7 | | | 12/66 | | | SP | gravelly SAND, lt. brn. (7.5YR 6/4), w/ silt, dry (Fill ?) @ 7.3' to 9.0' |
| 8 | 2.0/2.0 | | 12/72 | | | | |
| 9 | | | 12/78 | FDG-SL 841-SA5B SB-9.0-10.0 | 0935 | SC | SAND w/ clay, poorly-sorted, variable dense/stiff zones, trace of shale clasts, and pockets of clay, dry (Fill ?) (10YR 4/6) |
| 10 | | | /84 | | | | Refusal @ 10.2' mudstone |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | | |
|---|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace | nr:no recovery |
| c: coarse | lt: light | rnd: rounded | v: very | |
| dk: dark | m: medium | sa: subangular | wg: well graded | |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter | bgs:below ground surface |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Whitney Treadway

Sample ID FDG-SL-841-SB-A-0.0-0.5 (5/14/14) Date/Time 05/14/2014 / 0900

Matrix (circle one): (Soil) Sediment Water

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID

Field Geologist Frank Morris

Sampler Whitney Treadway

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | (GP) | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | (SP) | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |

Other Clean Fill

**Is Staining Present** Yes (No)

Color 7.5YR 6/4

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

PG Signature _____ PG Registration # 7735

Additional Comments _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Whitney Treadway

Sample ID FDG-SL-841-SA5B-SB-4.0-5.0 Date/Time 05142014/0925

Matrix (circle one): (Soil) Sediment Water

Start Depth 4.0

End Depth 5.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID

Field Geologist Frank Morris

Sampler Whitney Treadway

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |

Other Various clasts & clay pockets

**Is Staining Present** (Yes) No

Color 10YR 4/6

**Odor**

1. Odor Strength (circle one)

None Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

PG Signature _____ PG Registration # 7735

Additional Comments _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Whitney Treadway

Sample ID FDG-SC-841-SA5B-SB-9.0-10.0 Date/Time 05142014/0935

Matrix (circle one): (Soil) Sediment Water

Start Depth 9.0

End Depth 10.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

FM 5/14/14

QC Type (circle one): (N) FD FB RB

Parent Sample ID

Field Geologist Frank Morris

Sampler Whitney Treadway

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | X FM 5/14/14 |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 95

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other Shale fragments @ bottom | | |

**Is Staining Present** (Yes) No

**Color** 10YR 4/6

**Odor**

1. Odor Strength (circle one)
   (None) Slight Strong

2. Odor Description (circle one)
   Organic Petroleum Chemical
   (N/A) Other _____

**Moisture Condition (circle one)**
(Dry) Moist Wet

PG Signature _____ PG Registration # 7735

Additional Comments Refusal @ 10.2'

NA – Not Applicable

| | | | | |
|---|---|---|---|---|
| Location ID: DG-842 | Subarea: 5B | Date Started: 05/14/2014 | Date Completed: ~~05/14~~ 05/14/2014 | |
| Client: DOE | Project Name/#: Santa Susana Field Lab/99489 | | Total Depth: 4.5' | |
| Company Name: CDM SMITH | Drill Contractor/Driller: Strongarm | | | |
| GPS collected? Yes or No | Drill Method: DPT - Macrocore | | Depth Drilled into Bedrock: 0 | |
| Radiological Background: 14/90 | Borehole diameter: 2.25" Φ | | | |
| PID Background: 0.0 | Depth to GW: NA | | Sampling Method: DPT-Macrocore | |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: [signature] #775 | | Geologist: F. Morris | |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 4.0/4.0 | 0.0 | 13/95 | FDG-SL 842-SA5B SB-0.0-0.5 | 1355 | ML | sandy SILT, trace of clay, brownish yellow (10YR 6/6), med. dense, dry |
| 1 | | | 13/102 | | | | |
| 2 | | | 13/83 | | | SP | SAND very fine-grained w/silt, poorly-graded (10YR 5/3), partially cemented, med. to loose, dry, (native ?) |
| 3 | | | 13/64 | | | | |
| 4 | | | 13/61 | FDG-SL 842-SA5B SB-4.0-4.5 | 1425 | SP/SM | very fine SAND w/silt, pale brn. (10YR 6/3) to lt. yellow/brn (10YR 6/4) Refusal in 1st boring @ 4.4' and 4.5 in 2nd |
| 5 | | | | | | | Note — 2nd boring used to supplement sample |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | | |
|---|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace | nr:no recovery |
| c: coarse | lt: light | rnd: rounded | v: very | |
| dk: dark | m: medium | sa: subangular | wg: well graded | |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter | bgs:below ground surface |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|

CDM Smith

BORING LOG AND SAMPLING RECORD

Page___of___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Whitney Treadway

Sample ID FDG-SL-842-SA5B-SB-0.0-0.5 Date/Time 05142014/1355

Matrix (circle one): (Soil) Sediment Water

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID _____

Field Geologist Frank Morris

Sampler Whitney Treadway

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** NA

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No) or trace

**Color** 10YR 6/6

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Whitney Treadway

Sample ID FDG-SL-842-SA5B-SB-4.0-5.0 Date/Time 05142014 / 1425

Matrix (circle one): (Soil) Sediment Water

Start Depth 4.0

End Depth 5.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID _____

Field Geologist Frank Morris

Sampler Whitney Treadway

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP (circled) | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM (circled) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)
2. **Percentage Fill (%)** NA
3. **Fill Description (circle all that apply)**

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | (N/A) | |
| Other _____ | | |

**Is Staining Present** Yes (No)

**Color** 10YR 6/4

**Odor**

1. **Odor Strength (circle one)**: (None) Slight Strong
2. **Odor Description (circle one)**: Organic Petroleum Chemical (N/A) Other _____

**Moisture Condition (circle one)**: (Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: DG-843 | Subarea: SASB | Date Started: TUESDAY 01/14/14 1255 | Date Completed: 01/14/14 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Lab/99489 | | Total Depth: 8.0, 8.2, 8.0' |
| Company Name: CDM SMITH | Drill Contractor/Driller: SJFS | | |
| GPS collected? (Yes) or No | Drill Method: DPT | | Depth Drilled into Bedrock: NA |
| Radiological Background: 14/87 13/90 | Borehole diameter: 2.25" | | |
| PID Background: 0.3 0.0 | Depth to GW: NA | | Sampling Method: DPT |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: [illegible] #7735 | | Geologist: C. Cox |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | | 0.3 | 14/87 | SL-843-SASB-SB-0.0-0.5 | 1310 | SM | SILTY SAND: Brown (10yR 4/3) 80% sand, pg, f; 20% silt, low plasticity; t igneous clasts, igneous gravel, φ=1.0" at surface, dry, no odor (FILL); siltstone 2.5" @ 2.5' |
| 1 | | 0.0 | 13/90 | | | | |
| 2 | 3.6/4.0 | 0.0 | 13/87 | | | SM | SILTY SAND WITH CLAY: Dark grayish brown (10yR 4/2); 55% sand, pg, f; 40% silt, low plasticity; 5% clay, med stiff; t igneous clasts; dry to moist, no odor (FILL) |
| 3 | | 0.0 | 13/78 | | | | |
| 4 | | 0.0 | 13/82 | SL-843-SASB-SB-4.0-5.0 | 1330 | SM/ML | ~~SILTY SAND~~ Sandy SILT: very dark brown (10yR 3/2); 50% sand, pg, f; 35% silt, low plasticity; 15% clay, med stiff to stiff; t red brick at 4.0-4.5'; moist to dry, no odor (FILL) |
| 5 | | 0.0 | 13/66 | | | SM/ML | ~~SILTY SAND~~ WITH CLAY: Dark brown (10yR 3/3); 50% sand, pg, f; 40% silt, low plasticity; 10% clay, med stiff; t red brick clasts; mottled color; dry to moist, no odor (FILL) |
| 6 | 4.0/4.0 | 0.0 | 13/96 | | | | |
| 7 | | 0.0 | 13/67 | SL-843-SASB-SB-7.0-8.0 | 1340 | SM | SILTY SAND: Dark yellowish brown (10yR 3/4); 60% sand; pg, f-m; 40% silt, low plasticity; t clay; mottled color, moist, no odor. |
| 8 | | 0.0 | 13/76 | | | SP-SM | SAND WITH SILT: Dark yellowish brown (10yR 4/4); 90% sand, pg, f-m, mostly m; 10% silt, low plasticity, moist, no odor. |
| | | | | | | | Refusal at SS Formation at 8.0, 8.2, 8.0' |

**CDM Smith** **BORING LOG AND SAMPLING RECORD** Page 1 of 1

ABBREVIATIONS:

| | | | | |
|---|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace | nr: no recovery |
| c: coarse | lt: light | rnd: rounded | v: very | |
| dk: dark | m: medium | sa: subangular | wg: well graded | |
| f: fine | mod: moderate | sr: subrounded | φ: diameter | bgs: below ground surface |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By R. Alexander

Sample ID SL-843-SA5B-SB-0.0-0.5 Date/Time 01/14/14 1310

Matrix (circle one): (Soil) Sediment Water

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist C. Cox

Sampler K. Larson

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

2ss sleeves
1 4oz jar

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| (Igneous/Metamorphic Gravel) | | N/A |
| (Other) Siltstone | | |

**Is Staining Present** Yes (No)

Color Brown (10YR 4/3)

**Odor**

1. Odor Strength (circle one)

None Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

PG Signature [signature] PG Registration # 7735

Additional Comments None

[signature] 11/19/13

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By R. Alexander

Sample ID SL-843-SA5B-SB-4.0-5.0 Date/Time 1/14/14 1330

Matrix (circle one): (Soil) Sediment Water

Start Depth 4.0

End Depth 5.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist C. Cox

Sampler K. Larson

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

2 jars (1602)
2 encore

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | (ML) | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

11/7/14

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |

(Other) red brick

**Is Staining Present** Yes (No)

**Color** Grayish brown (10YR 5/2)

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** None

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By: R. Alexander

Sample ID: SL-843-SA5B-SB-7.0-8.0 Date/Time: 1/14/14 1340

Matrix (circle one): (Soil) Sediment Water

Start Depth: 7.0

End Depth: 8.0

Depth Units (circle one): Inches (Feet)

Check if Composite: ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID: NA

Field Geologist: C. Cox

Sampler: K. Larson

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

2-16 oz jars
2- Encore

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** NA

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** Dark yellowish brown (10yr 4/4)

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

Dry (Moist) Wet

**PG Signature** [signature] **PG Registration #** 7735

**Additional Comments** None

NA – Not Applicable

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-511 | 5C | 05/08/2014 | 05/08/2014 |

| | | |
|---|---|---|
| Client: DOE | Project Name/#: ~~SSFL-65258-63376.4203.002.223.02231.SSPH3~~ FB | Total Depth: 3.0' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | |
| GPS collected? (Yes) or No | Drill Method: Hand Auger | Depth Drilled Into Bedrock: NA |
| Radiological Background: 13/59 | Borehole diameter: 2" Φ | |
| PID Background: 0.0 | Depth to GW: NA | Sampling Method: Hand Auger |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: Mullen #7735 | Geologist: F. MORRIS |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | | 0.0 | 13/79 | FDG-SL-511-SA-SC SB-0.0-0.5 | | SP | SAND, fine to med. grained, w/ gravel lt. brn. (7.5YR 6/3) trace of roots, sub.rounded gravel, wood fragments (bark 1" size), dry. |
| 1 | | 0.0 | 12/65 | | | | |
| | | | | | | SP | SAND (non-uniform) possible SW Same as above (trace of clay and $CaCO_3$ fragments, white) @ 1.5 to 2.0 |
| 2 | | 0.0 | 13/70 | | | | |
| | | | | FDG-SL-511-SA-SC SB-2.0-3.0 | | ML | SILT w/ clay, slt. plastic, soft, trace sand reddish yellow (7.5YR 6/6), incl, trace of gravel @ 2.5' |
| 3 | | 0.0 | 13/55 | | | | Refusal @ 3.0' Sample bottom @ 2.9' |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | | |
|---|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace | nr:no recovery |
| c: coarse | lt: light | rnd: rounded | v: very | |
| dk: dark | m: medium | sa: subangular | wg: well graded | |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter | bgs:below ground surface |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By W. Treadway 5/8/14

Sample ID FDG-SL-511-SA5C-SB-0.0-0.5 Date/Time 050814 / 09:40

Matrix (circle one): (Soil) Sediment Water

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID

Field Geologist FRANK MORRIS

Sampler WHITNEY TREADWAY

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | ~~X~~ Error 5/8/14 |
| | Perchlorate Confirmation | EPA 6850/6860 | X |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

Soil Moisture

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP (circled) | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present Yes (No)

2. Percentage Fill (%) NA

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** 7.5 YR 6/3

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By W. Treadway 5/8/14

Sample ID FDG-SL-511-SA5C-SB-2.0-3.0 Date/Time 050814 / 1105

Matrix (circle one): (Soil) Sediment Water

Start Depth 2.0

End Depth 3.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID

Field Geologist FRANK MORRIS

Sampler WHITNEY TREADWAY

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | X |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | (SP) | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | (ML) | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

predominant

**Fill Material**

1. Is Fill Material Present Yes (No)

2. Percentage Fill (%) _____

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** 7.5YR 6/6

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** Sample contained some slough from ~1.5' depth (SP) @ 2.5' to 2.9' interval collected in jar

NA – Not Applicable

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| SE-DG-748 | 5C | 05/12/2014 | 05/12/2014 |

FW 5/12/14

| | | |
|---|---|---|
| Client: DOE | Project Name/#: ~~SSEL-65258-63376.4203.002.223.02231.SSPH3~~ PB | Total Depth: 4.5' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | |
| GPS collected? (Yes) or No | Drill Method: Hand Auger | Depth Drilled into Bedrock: NA |
| Radiological Background: 14/52 | Borehole diameter: 2" | |
| PID Background: 0.0 | Depth to GW: NA | Sampling Method: Hand Auger |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: Mike Hoffman #7735 | Geologist: E. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.0 | 15/94 | FDG-SL-748-SASC-SB-0.0-0.5 | (0832) | ML | sandy SILT, very fine-grained, sand (15 to 20%), brn. (7.5YR 4/2), trace roots and clay, dry |
| 1 | | 0.0 | 14/82 | | | SP | fine to med. SAND, poorly-graded, brown (7.5YR 5/4) to lt. brown, grading to med. SAND @ 1.5' strong brn (7.5YR 5/6), slt. oxidized, trace roots, dry, (trace of gravel @ 2.0') |
| 2 | | 0.0 | 15/91 | | | | |
| 3 | | 0.0 | 14/94 | | | | same as above slt. moist @ 2.5' trace of well-rounded gravel (sandstone/quartz) 2.5 to 3.0' |
| 4 | 2.5/4.0 rec 0.0 | | 14/84 | FDG-SL-748-SASC-SB-4.0-5.0 | (1000) | | Notes: One sub-angular clast @ 4 to 4.5' bedrock refusal on 4.5 to 5.0' attempt (7.5YR 5/4) |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

CDM Smith

## BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | | |
|---|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace | nr:no recovery |
| c: coarse | lt: light | rnd: rounded | v: very | |
| dk: dark | m: medium | sa: subangular | wg: well graded | |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter | bgs:below ground surface |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

Page___of___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Whitney Treadway

Sample ID FDG-SL-748-SA5C-SB-0.0-0.5 Date/Time 05122014/0832

Matrix (circle one): (Soil) Sediment Water

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID _____

Field Geologist FRANK MORRIS

Sampler WHITNEY TREADWAY

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | X |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH ≤ 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH ≤ 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** NA

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** 7.5 YR 4/2

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Whitney Treadway

Sample ID FDG-SL-748-SA5C-SB-4.0-5.0 Date/Time 05122014 / 1000

Matrix (circle one): (Soil) Sediment Water

Start Depth 4.0

End Depth 5.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID _____

Field Geologist Frank Morris

Sampler Whitney Treadway

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | X |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP (circled) | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** 7.5YR 5/4

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** Mike Dettinger **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| 749-DG | 5C | 05/08/2014 | 05/08/2014 |

| | | |
|---|---|---|
| Client: DOE | Project Name/#: ~~GSFL-65258-63370.1203.002.223.02231.SSPH3~~ PB | Total Depth: 2.5' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | |
| GPS collected? (Yes) or No | Drill Method: Hand Auger | Depth Drilled into Bedrock: NA |
| Radiological Background: 14/49 | Borehole diameter: 2" ϕ | |
| PID Background: 0.0 ppm | Depth to GW: NA | Sampling Method: Hand Auger |
| Radiological Equipment Used: [✓] MicroR [✓] Alpha/Beta [✓] Pancake | PG Review & No.: Mike Hollerson #7735 | Geologist: F. MORRIS |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.0 | 17/82 | FDG-SL-749-SA5C-SB-0.0-0.5- | 1330 | SM/ML | sandy SILT, med. to stiff reddish yellow (7.5YR 6/8) abundant Fe staining, trace $MNO_2$ stain (blebs), w/ silty concretions cement around trace of gravels subangular to angular, dry |
| 1 | 0.5/0.5 | 0.0 | 15/84 | MS FDG-SL-1049-SA5C-SB-0.0-0.5 | 1400 1340 | SP | same as above w/ some white $CaCO_3$ filled fractures in stiff layers/veins @ 1.0' |
| 2 | | 0.0 | 15/84 | | | | SAND, fine to med. grained, loose, reddish yellow (7.5YR 6/8), trace of charcoal chips |
| 3 | | | | | | | Refusal @ 2.5' w/ hand auger |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

CDM Smith

**BORING LOG AND SAMPLING RECORD**



ABBREVIATIONS:

| | | | | |
|---|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace | nr:no recovery |
| c: coarse | lt: light | rnd: rounded | v: very | |
| dk: dark | m: medium | sa: subangular | wg: well graded | |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter | bgs:below ground surface |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

Page___of___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By W. Treadway 5/9/14

Sample ID FDG-SL-749-SA5C-SB-0.0-0.5 MS (749 EAM 5/8/14) Date/Time 05082014 / 1330 (1400 EAM 5/8/14)

**Matrix (circle one)**: (Soil) Sediment Water

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler WHITNEY TREADWAY

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | X |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

(ML) Predominant

**Fill Material**

1. Is Fill Material Present: Yes (No)

2. Percentage Fill (%): NA

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** (Yes) No

Color 7.5YR 6/8

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

PG Signature _____ PG Registration # 7735

Additional Comments

Fe + MnO2 staining. No need to collect extra VOCs + 1,4-dioxane.

SM050814

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By W. Treadway 5/8/14

Sample ID FDG-SL-~~1098~~ 1049 5/8/14 -SA5C-5B-0.0-0.5 Date/Time 05082014/ ~~1330~~ 1400 5/8/14

Matrix (circle one): (Soil) Sediment Water

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): N (FD) FB RB

Parent Sample ID FDG-SL-~~798~~ 749 5/8/14 -SA5C-5B-0.0-0.5 MS

Field Geologist FRANK MORRIS

Sampler WHITNEY TREADWAY

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | X |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present: Yes (No)
2. Percentage Fill (%): NA
3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | (N/A) | |
| Other: | | |

**Is Staining Present:** (Yes) No

**Color:** 7.5YR 6/8

**Odor**

1. Odor Strength (circle one): (None) Slight Strong
2. Odor Description (circle one): Organic Petroleum Chemical (N/A) Other: _____

**Moisture Condition (circle one):** (Dry) Moist Wet

**PG Signature:** [signature] **PG Registration #:** 7735

**Additional Comments:**

Fe + MNOa Staining. No need to collect extra VOCs or 1,4 dioxane SmSB14

NA – Not Applicable

| Location ID: DG-756 | Subarea: 5C | Date Started: 05/13/2014 | Date Completed: 05/13/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: ~~GSFL-85258-63376.1203.002.223.02231.SSPH3~~ PB | | Total Depth: 16.6' |
| Company Name: CDM SMITH | Drill Contractor/Driller: Strongarm | | |
| GPS collected? (Yes) or No | Drill Method: DPT Macrocore | | Depth Drilled into Bedrock: 0.2' weathered |
| Radiological Background: 12/47 | Borehole diameter: 2.25" Ø | | |
| PID Background: 0.1 ppm | Depth to GW: NA | | Sampling Method: DPT - Macrocore |
| Radiological Equipment Used: [✓] MicroR [✓] Alpha/Beta [✓] Pancake | PG Review & No.: [signature] #7735 | | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 3.9/4.0 | 0.0<br>0.1 | 12/92 | NA | NA | SM | silty SAND, fine grained, laminated, 0 to 0.7' yellowish brn. (10YR 5/6), non-plastic, dry (Fill?) |
| 1 | | | 12/54 | | | | |
| 2 | | | 12/66 | | | | dense @ 1.8' |
| 3 | | | 12/72 | | | SP | SAND w/ silt, loose to med., very fine grained, very pale brn. (10YR 7/3), few gravels, dry (Fill?) |
| 4 | 4.0/4.0 | 0.1 | 12/78 | | | | |
| 5 | | | 12/65 | | | | |
| 6 | | | 12/72 | | | SC | clayey SAND w/ gravel, dense to very dense, dk. yellowish brn. (10YR 3/4 to 10YR 3/2) mottled, w/ sandstone clasts, minor Fe stain, dry (Fill?) |
| 7 | | | 12/70 | | | | |
| 8 | 4.0/4.0 | | 12/102 | | | SC | Slough from SP interval above to 8.5' Fill w/ clayey SAND matrix w/ sandstone and other clasts, iron stain, dark brn. to black stain ($MnO_3$?), highly variable clasts, mottled, dry |
| 9 | 0.7 | | 12/139 | | | | |
| 10 | | | | | | | |

FSM 5/13/14

CDM Smith

**BORING LOG AND SAMPLING RECORD**



ABBREVIATIONS:

| | | | | |
|---|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace | nr:no recovery |
| c: coarse | lt: light | rnd: rounded | v: very | |
| dk: dark | m: medium | sa: subangular | wg: well graded | |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter | bgs:below ground surface |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-756 | 5C | 05/13/2014 | 05/13/14 |
| Project: SSFL | | Geologist: F. Morris | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 10 | 4.0/4.0 | 0.1 | 12/78 | | | | Same as above (Fill?) |
| 11 | | | 12/84 | | | | |
| 12 | 4.0/4.0 | 0.1 | 12/66 | | | | |
| 13 | | | 12/126 | | | | |
| 14 | | | 12/102 | | | SP | SAND w/ silt, dark brn. to brn. (10YR 4/2 to 4/3), native soil above bedrock @ 16.4', trace of mica, very fine grained, dry |
| 15 | | | 12/114 | DG-SL-756-SA50-SB-15.0-16.0 | 0920 | | |
| 16 | | 0.1 | 12/78 | | | | Weathered rock @ 16.4, black burned root noted in |
| | | | 12/114 | | | | Refusal @ 16.6' |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

Page___of___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Whitney Treadway

Sample ID FDG-SL-756-SA5C-SB-~~0.0~~-~~0.5~~ 15.0 - 16.0 (~~GMV 5/13/14~~ FMV 5/13/14) Date/Time 05132014/0920

**Matrix (circle one)**: (Soil) Sediment Water

Start Depth ~~0.0~~ 15.0 (FMV 5/13/14)

End Depth ~~0.5~~ 16.0 (FMV 5/13/14)

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID _____

Field Geologist Frank Morris

Sampler Whitney Treadway

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | X |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP (circled) | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present: Yes (No) — MF 5/3/14

2. Percentage Fill (%): 95% but not in sample

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other: Sandstone clasts | | |

**Is Staining Present** Yes (No)

**Color** 10YR 4/3

**Odor**

1. Odor Strength (circle one): (None) Slight Strong

2. Odor Description (circle one): Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**: (Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: DG-757 | Subarea: 5C | Date Started: 05/14/2014 | Date Completed: 05/14/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: ~~SSFL-66256-03376.1203.002.223.02231.SSPH3~~ PB | | Total Depth: 9.0', 10.1' |
| Company Name: CDM SMITH | Drill Contractor/Driller: Strongarm | | |
| GPS collected? (Yes) or No | Drill Method: DPT - Macrocore | | Depth Drilled into Bedrock: |
| Radiological Background: | Borehole diameter: 2.25" ϕ | | |
| PID Background: | Depth to GW: NA | | Sampling Method: DPT - Macrocore |
| Radiological Equipment Used: [✓] MicroR [✓] Alpha/Beta [✓] Pancake | PG Review & No.: #7735 | | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 4.0/3.7 | 0.0 | 10/83 | FDG-SL 757-SA5C SB-00-05 | 1135 | GW | sandy GRAVEL w/ silt, lt. brn to brn, (10YR 6/3) clasts consist of ingneous/metamorphic rx, poorly sorted, all grain sizes, trace of asphalt, dry |
| 1 | | | 10/60 | | | SP | well-sorted SAND zone @ 1.2' to 1.4' |
| 2 | | | 10/84 | | | GW | (same as above) |
| 3 | | | 10/96 | | | ML | SILT w/ sand, red to yellowish brn. (10YR 5/8) iron stain blebs, and trace of roots, and clay pockets, dry. (FILL ?) |
| 4 | 4.0/4.0 | 0.0 | 10/66 | FDG-SL 757-SA5C SB-40-50 | 1150 | | Abundant Fe staining in sample interval mottled coloration |
| 5 | | | 10/78 | | | | |
| 6 | | | 10/90 | | | | |
| 7 | | | 10/102 | | | | |
| 8 | 1.0/1.0 | | 10/88 | FDG-SL 757-SA5C SB-8.0-9.0 | 1200 | SP/SW | SAND, w/ gravel and silt trace of clay @ 7.6' alternating poorly-and well-graded intervals, some Fe staining, dry (Fill ?) oxidized |
| 9 | | | 10/78 | | | SP | Refusal @ 9.0' in first boring Offset went to 10.1' (Litho change @ 9.0' to yellow/brn SP to refusal) |
| 10 | | | 10/78 | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | | |
|---|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace | nr:no recovery |
| c: coarse | lt: light | rnd: rounded | v: very | |
| dk: dark | m: medium | sa: subangular | wg: well graded | |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter | bgs:below ground surface |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Whitney Treadway

Sample ID FDG-SL-757-SA5C-SB-0.0-0.5 Date/Time 05/14/2014 / 1135

Matrix (circle one): (Soil) Sediment Water

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment

FAM 5/14/14

QC Type (circle one): (N) FD FB RB

Parent Sample ID

Field Geologist Frank Morris

Sampler Whitney Treadway

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | X |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100

3. Fill Description (circle all that apply)

(Asphalt) Metal Plastic

Concrete Wood Glass

(Igneous/Metamorphic Gravel) N/A

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 6/3

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Whitney Treadway

Sample ID FDG-SL-757-SA5C-SB-4.0-5.0 Date/Time 05142014 / 1150

Matrix (circle one): (Soil) Sediment Water

Start Depth 4.0

End Depth 5.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID

Field Geologist Frank Morris

Sampler Whitney Treadway

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | X |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA, | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other Clay Pockets, rock frags | | |

**Is Staining Present** (Yes) No

Color 10YR 5/8

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

PG Signature _____ PG Registration # 7735

Additional Comments _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Whitney Treadway

Sample ID FDG-SL-757-SA5C-SB-8.0-9.0 Date/Time 05142014/1200

Matrix (circle one): (Soil) Sediment Water

Start Depth 8.0

End Depth 9.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID _____

Field Geologist Frank Morris

Sampler Whitney Treadway

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | X |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

SW, SP — both within interval

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other Rock Frags. (Various)

**Is Staining Present** (Yes) No

**Color** 10 YR 5/8

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** [signature] **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-584 | 5D | 05/21/2014 | 05/21/2014 |

| | | |
|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | Total Depth: 6.0 |
| Company Name: CDM SMITH | Drill Contractor/Driller: Strongarm | |
| GPS collected? Yes or No | Drill Method: DPT - Macrocore | Depth Drilled into Bedrock: 0.9' |
| Radiological Background: 10/65 | Borehole diameter: 2.25" Ø | |
| PID Background: 0.0 | Depth to GW: NA | Sampling Method: DPT - Macrocore |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: Mike Hoffman #7735 | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.0 | 14/86 | FDG2-SL 584-SA5D SB-0.0-0.5 | 0752 | SW | gravelly SAND, poorly-sorted, lt brn (7.5YR 6/4) some silt, loose, trace of roots, dry (FILL?) |
| 1 | | 0.0 | 12/95 | | | | |
| 2 | | 0.0 | 11/65 | | | ML | SILT w/ sand, strong brown (7.5YR 5/6), little clay, trace gravel, (native?), dry |
| 3 | | 0.1 | 10/73 | | | SP | SAND, some silt, reddish yellow (7.5YR 6/6), well-sorted, trace Fe stain, native weathered sand stone |
| 4 | | 0.0 | 11/59 | FDG2-SL 584-SA5D SB-4.0-5.0 | 0810 | | |
| 5 | | 0.0 | 10/75 | | | | Rock frags @ 5.1' sandstone partially indurated/cemented |
| 6 | | 0.0 | 10/79 | | | | Refusal @ 6.0' bedrock @ 2 borings attempted |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID - (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|

CDM Smith

BORING LOG AND SAMPLING RECORD

Page___of___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By _____

Sample ID FDG2-SL-584-SA5D-SB-~~0.0~~ 4.0-5.0 (from 5/21/14) Date/Time 05212014 / 0810

Matrix (circle one): (Soil) Sediment Water

Start Depth 4.0

End Depth 5.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID _____

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | X |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP (circled) | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present: Yes (No)
2. Percentage Fill (%): NA
3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | (N/A) | |
| Other: | | |

**Is Staining Present** Yes (minor Fe) No

**Color** 7.5YR 6/6

**Odor**

1. Odor Strength (circle one): (None) Slight Strong
2. Odor Description (circle one): Organic Petroleum Chemical (N/A) Other: ____

**Moisture Condition (circle one)**: (Dry) Moist Wet

**PG Signature** Nikki Hoffman **PG Registration #** 7735

**Additional Comments** Sample taken in weathered sandstone

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By _____

Sample ID FDG2-SL-584-SA5D-SB-0.0-0.5 Date/Time 05/2/2014 / 0752

Matrix (circle one): (Soil) Sediment Water

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID _____

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | X |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

SW — SP — for 5/21/14

**Fill Material**

1. Is Fill Material Present (Yes) No — for 5/21/14

2. Percentage Fill (%) 100 (?)

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other Rock Frags (non-native?)

**Is Staining Present** (Yes) No — minor Fe — F 5/21/14

Color 7.5YR 6/4

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

PG Signature Nila Hoffman PG Registration # 7735

Additional Comments _____

NA – Not Applicable

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-585 | SD | 05/21/2014 | 05/21/2014 |

| | | |
|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | Total Depth: 5.0 |
| Company Name: CDM SMITH | Drill Contractor/Driller: Strongarm | |
| GPS collected? (Yes) or No | Drill Method: DPT - Macrocore | Depth Drilled into Bedrock: NA |
| Radiological Background: 9/47 | Borehole diameter: 2.25" Ø | |
| PID Background: 0.0 ppm | Depth to GW: NA | Sampling Method: DPT - Macrocore |
| Radiological Equipment Used: [✓] MicroR [✓] Alpha/Beta [✓] Pancake | PG Review & No.: [signature] #7735 | Geologist: E. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.1 | 11/69 | FDG2-SL 585-SA5D SB-0.0-0.5 | 0906 | SW | SAND w/gravel + silt, poorly-sorted, brn. (7.5YR 5/4), abundant roots, dry (FILL) |
| 1 | 3.5/3.4 | 0.0 | 10/69 | MS FDG2-SL 885-SA5D SB-0.5-0.5 | 0916 | SC | clayey SAND, some gravel, mottled, strong brn. (7.5YR 5/6), sub-angular clasts (Fill?) dry to slt. moist |
| 2 | | 0.0 | 9/62 | | | | |
| 3 | | 0.0 | 9/65 | | | | |
| 4 | 4.0/1.1 | 0.1 | 10/58 | FDG2-SL 585-SA5D SB-4.0-5.0' | 0921 | SP SM | SAND w/silt, weathered bedrock, reddish yellow (7.5YR 6/6) to lt. brn (7.5YR 6/5), trace, native(?), dry |
| 5 | | 0.0 | 10/78 | | | | Refusal @ 5.1' in 1st boring and 5.0' in 2nd offset |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

FD 5/21/14 107

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

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# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randeep Rana

Sample ID FD02-SL-585-SA5D-SB-0.0-0.5 MS Date/Time 05212014 / 0906

Matrix (circle one): (Soil) Sediment Water

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID _____

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | X |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | X |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100 (?)

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other Rock Frags (non-native) | | |

**Is Staining Present** Yes (No)

**Color** 7.5YR 5/4

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Resident Name

Sample ID FDG2-SL-885-SA5D-SB-0.0-0.5 Date/Time 05/2/2014/0916

Matrix (circle one): (Soil) Sediment Water

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): N (FD) FB RB

Parent Sample ID FDG-SL-585-SA5D-SB-0.0-0.5MS

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | X |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | X |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100 (?)

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other Rock Frags (non-native)

**Is Staining Present** Yes (No)

**Color** 7.5YR 5/4

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(DRY) Moist Wet

**PG Signature** Mike Hoffman **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Roberts

Sample ID FD62-SL-585-SA5D-SB-4.0-5.0 Date/Time 05212014/0921

Matrix (circle one): (Soil) Sediment Water

Start Depth 4.0

End Depth 5.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID _____

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | X |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | X |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** NA

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** (Yes) No — minor Fe

**Color** 7.5YR 6/6 to 7.5YR 6/5

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-586 | 5D | 05/21/14 | 05/21/14 |

| | | |
|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | Total Depth: 3.0 |
| Company Name: CDM SMITH | Drill Contractor/Driller: Strongarm | |
| GPS collected? (Yes) or No | Drill Method: DPT - Macrocore | Depth Drilled into Bedrock: NA |
| Radiological Background: 9/40 | Borehole diameter: 2.25" Φ | |
| PID Background: 0.0 | Depth to GW: NA | Sampling Method: DPT - Macrocore |
| Radiological Equipment Used: [✓] MicroR [✓] Alpha/Beta [✓] Pancake | PG Review & No.: Miller Hoffman #7735 | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.2 | 12/76 | FD62-SL 586-SASD SB-0.0-0.5 | 1025 | SW SM | SAND w/ gravel, some silt very pale brn. (10YR 7/4) silt increases to near 50% (ML), (Fill ?), dry, roots @ 0.0 to 1.0', poorly-sorted, loose to v. loose |
| 1 | 4.0/2.5 | 0.0 | 12/73 | | | SP | SAND, some silt, med. grained, well-sorted, reddish yellow (7.5YR 6/6), trace gravel, dry, loose to med. dense (Native ?) |
| 2 | | | 10/72 | FD62-SL 586-SASD SB-2.0-3.0 | 1032 | | |
| 3 | | | 10/74 | | | | Refusal @ 3.0' bgs in Borings 1 + 2 |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

Page___of___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Roberts

Sample ID FDG2-SL-586-SASD-SB-0.0-0.5 Date/Time 05212014/1025

Matrix (circle one): (Soil) Sediment Water

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | X |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | (SW) | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100 (?)

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |

Other Rock Frag (non-native?)

**Is Staining Present** Yes (No)

**Color** 10 YR 7/4

**Odor**

1. Odor Strength (circle one)
   (None) Slight Strong

2. Odor Description (circle one)
   Organic Petroleum Chemical
   (N/A) Other _____

**Moisture Condition (circle one)**
(Dry) Moist Wet

**PG Signature** Mike Hoffman **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Roberts

Sample ID FD62-SL-586-SA5D-SB-2.0-3.0 Date/Time 05/2/2014/1032

Matrix (circle one): (Soil) Sediment Water

Start Depth 2.0

End Depth 3.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | X |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** NA

3. **Fill Description (circle all that apply)**

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | (N/A) | |
| Other _____ | | |

**Is Staining Present** (Yes) No — Very minor Fe

**Color** 7.5YR 6/6

**Odor**

1. **Odor Strength (circle one)**: (None) Slight Strong

2. **Odor Description (circle one)**: Organic Petroleum Chemical (N/A) Other _____

**Moisture Condition (circle one)**: (Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: DG-612 | Subarea: SD5 | Date Started: 06/10/2014 | Date Completed: 06/10/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 0.5' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | | |
| GPS collected? (Yes) or No | Drill Method: Slide Hammer | | Depth Drilled into Bedrock: NA |
| Radiological Background: 12/60 | Borehole diameter: 1.5" | | |
| PID Background: 0.3 | Depth to GW: NA | | Sampling Method: Slide Hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: Mike Hoffman #775 | | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.3 | 12/80 | FDG2-SL-612-SA5L-SB-0.0-0.5 | 1100 | GW/GM | Sandy GRAVEL, poorly-sorted, w/ silt (≥15%), grayish brown, (10YR 5/2 - 4/2), colluvial sed/deposit on hillslope, gravel (1"+ size) |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Morris

Sample ID FDG2-SL-612-SA5D-SB-0.0-0.5 (SM 061014) Date/Time 06102014 / 1100

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler RANDY ROBERTS

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW SM | Well graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

GW 4/10/14

### Fill Material

1. Is Fill Material Present (Yes) No — colluvial material

2. Percentage Fill (%) 100

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other Rock Fragments | | |

**Is Staining Present** Yes (No)

**Color** 10 YR 5/2 - 4/2

### Odor

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

### Moisture Condition (circle one)

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-613 | 5D | 06/10/2014 | 06/10/2014 |

| | | |
|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | Total Depth: 0.5' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | |
| GPS collected? (Yes) or No | Drill Method: Slide Hammer | Depth Drilled into Bedrock: NA |
| Radiological Background: 12/58 | Borehole diameter: 1.5" | |
| PID Background: 0.1 | Depth to GW: NA | Sampling Method: Slide Hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No: [signature] #7735 | Geologist: E. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.0 | 13/95 | FDG2-SL-613-JA5D-SB-0.0-0.5 | 1325 | SM | silty SAND, conservationary structure, med. dense, dk. grayish brown (10YR 4/2), roots, trace charcoal |
| 1 | | | | | | | End of boring @ 0.5' |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |

CDM Smith

## BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

Page___of___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Reendeer Kemp

Sample ID FDG2-SL-613-SASD-SB-0.0-0.5 Date/Time 06102014 / 1325

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler RANDY ROBERTS

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

### Fill Material

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 50% ?

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other disturbed soil

**Is Staining Present** Yes (No)

**Color** 10YR 4/2

### Odor

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

### Moisture Condition (circle one)

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: DG-614 | Subarea: SD | Date Started: 06/10/2014 | Date Completed: 06/10/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 0.5' |
| Company Name: CDM SMITH | | Drill Contractor/Driller: NA | |
| GPS collected? (Yes) or No | | Drill Method: Slide Hammer | Depth Drilled into Bedrock: NA |
| Radiological Background: 13/57 | | Borehole diameter: 1.5" | |
| PID Background: 0.0 | | Depth to GW: NA | Sampling Method: Slide Hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | | PG Review & No.: Julie Hoffman #7735 | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.1 | 15/85 | FDG2"-SL-614-SA-SD-SB-0.0-0.5 | 1246 | SM | Silty SAND, v.f.g., dark grayish brown (10YR 4/2), trace gravel ≤5%, med. dense, trace mica, concretions, dry (valley fill) |
| 1 | | | | | | | End of boring @ 0.5' |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Rendell Perry

Sample ID FDG2-SL-614-SASD-SB-0.0-0.5 Date/Time 06102014/1245

Matrix (circle one): (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler RANDY ROBERTS

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | SILTY GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

### Fill Material

1. Is Fill Material Present (Yes) No — Valley fill

2. Percentage Fill (%) 100 ?

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other Disturbed (Graded)

**Is Staining Present** Yes (No)

**Color** 10 YR 4/2

### Odor

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

### Moisture Condition (circle one)

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: DG-691 | Subarea: 6 | Date Started: 6/6/14 | Date Completed: 6/6/14 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 0.5' |
| Company Name: CDM SMITH | Drill Contractor/Driller: N/A | | |
| GPS collected? (Yes) or No | Drill Method: N/A | | Depth Drilled into Bedrock: 0 |
| Radiological Background: 13 µR/70 cpm | Borehole diameter: | | |
| PID Background: 0.0 ppm | Depth to GW: not encountered | | Sampling Method: Slide Hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: Mullen #7735 | | Geologist: Sandy Do |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.0<br>0.0 | 13/87<br>13/107 | FDG2-SL-691-SA6-SB-0.0-0.5 | 0935 | SM | Silty SAND: Loose, Dark yellowish brown (10YR3/4), 65% sand, f. to m. gr. sr-sr, 35% silt, tr. clay, dry. Total depth = 0.5 ft bgs. |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |

CDM Smith

**BORING LOG AND SAMPLING RECORD**



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By _____

Sample ID FDG2-SL-691-SA6-SB-0.0-0.5 Date/Time 6/6/14 0935

**Matrix (circle one)**
(Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**
Inches ~~Feet~~

Check if Composite ☐

**Collection Method (circle one)**
DPT ~~Slide Hammer~~ Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**
(N) FD FB RB

Parent Sample ID _____

Field Geologist Sandy Do

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH ≤ 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH ≤ 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other _____ | | |

**Is Staining Present** Yes (No)

**Color** 10YR 3/4

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: DG-692 | Subarea: 6 | Date Started: 6/6/14 | Date Completed: 6/6/14 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 0.5' |
| Company Name: CDM SMITH | Drill Contractor/Driller: N/A | | |
| GPS collected? (Yes) or No | Drill Method: N/A | | Depth Drilled into Bedrock: Q |
| Radiological Background: ~~16~~ 14 µR/90cpm ~~5/6/14~~ 5/6/14 | Borehole diameter: | | |
| PID Background: 0.0 ppm | Depth to GW: not encountered | | Sampling Method: Hand auger / Slide hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Reviewer & No: Julie Hoffman #7735 | | Geologist: Sandy Do |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | SM 6/7/14 |
| 0 | | 0.0 | 16/90 | FDG2-SL-692-SA6-SB-0.0-0.5 | 1140 | ML | SILT ~~with sand~~: M. firm, Dark brown (10YR 3/3), 90% silt, nonplastic, 10% sand, v.f-f. gr, sr micaceous, moist. |
| 1 | | | | | | | Total depth = 0.5 ft bgs. |
| 2 | | | | | | | |
| 3 | | | | | | | |

CDM Smith

## BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By _____

Sample ID FDG2-SL-692-SB-0.0-0.5 Date/Time 6/6/14 1140

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT ~~Slide Hammer~~ Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID N/A

Field Geologist Sandy Do

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | (ML) | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other _____ | | |

**Is Staining Present** Yes (No)

**Color** 10YR 3/3

**Odor**

1. **Odor Strength (circle one)**

None Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

Dry (Moist) Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: DG-693 | Subarea: 6 | Date Started: 6/6/14 | Date Completed: 6/6/14 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 0.5' |
| Company Name: CDM SMITH | Drill Contractor/Driller: N/A | | |
| GPS collected? (Yes) or No | Drill Method: N/A | | Depth Drilled into Bedrock: Q |
| Radiological Background: 15 µR/70 cpm | Borehole diameter: | | |
| PID Background: 0.0 | Depth to GW: not encountered | | Sampling Method: Slide Hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.? Mike Hoffman #7735 | | Geologist: Sandy Do |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | | 0.0 | 15/108 | FDG2-SL-693-SA6-SB-0.0-0.5 | 1030 | ML | SILT ~~with Sand~~: M. ~~f~~firm, Brown (7.5YR4/4); 90% silt, nonplastic, 10% sand, v f to f gr, subrounded; tr. rootlets, dry to moist. Total depth = 0.5 ft bgs. |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |

**CDM Smith**

## BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

**FSDS Checked By** [signature]

**Sample ID** FDG2-SL-693-SA6-SB-0.0-0.5 **Date/Time** 6/6/14 1030

**Matrix (circle one)**
(Soil) Sediment Water Plant

**Start Depth** 0.0

**End Depth** 0.5

**Depth Units (circle one)**
Inches (Feet)

**Check if Composite** ☐

**Collection Method (circle one)**
DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**
(N) FD FB RB

**Parent Sample ID** N/A

**Field Geologist** Sandy Do

**Sampler** Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | (ML) | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

### Fill Material

1. Is Fill Material Present  Yes  (No)

2. Percentage Fill (%) _____

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other _____ | | |

**Is Staining Present**  Yes  (No)

**Color** 7.5YR 4/4

### Odor

1. Odor Strength (circle one)

(None)  Slight  Strong

2. Odor Description (circle one)

Organic  Petroleum  Chemical

(N/A)  Other _____

### Moisture Condition (circle one)

Dry  (Moist)  Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: DG-694 | Subarea: 6 | Date Started: 06/11/2014 | Date Completed: 06/11/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 0.5 |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | | |
| GPS collected? (Yes) or No | Drill Method: Slide Hammer / SS Sleeve | | Depth Drilled into Bedrock: NA |
| Radiological Background: 13/59 | Borehole diameter: 1.5" Φ | | |
| PID Background: 0.1 | Depth to GW: NA | | Sampling Method: Slide Hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: #735 | | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.2 | 14/89 | FDG2-SL-694-SA6-SB-0.0-0.5 | 1110 | SM | silty SAND, v.fg., dk. grayish brown (10YR 4/2), trace roots, disturbed (fill?), dry<br>End of boring @ 0.5' |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

Page___of___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Roberts

Sample ID FD62-SL-694-SA6-SB-0.0-0.5 Date/Time 06112014 /1110

Matrix (circle one): (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler RANDY ROBERTS

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

## Fill Material

**1. Is Fill Material Present** (Yes) No

**2. Percentage Fill (%)** Disturbed 100%

**3. Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other mounded area w/ grading

**Is Staining Present** Yes (No)

**Color** 10YR 4/2

## Odor

**1. Odor Strength (circle one)**

(None) Slight Strong

**2. Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| | | | |
|---|---|---|---|
| Location ID: DG-695 | Subarea: 6 | Date Started: 06/11/2014 | Date Completed: 06/11/2014 |
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 0.5' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | | |
| GPS collected? (Yes) or No | Drill Method: Slide Hammer/5ft sleeves | | Depth Drilled into Bedrock: NA |
| Radiological Background: 15/50 | Borehole diameter: 1.5" Φ | | |
| PID Background: 0.5 ppm | Depth to GW: NA | | Sampling Method: Slide Hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No: #735 | | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.4 | 17/96 | FDG2-SL-695-JA6-SB-0.0-0.5 | 1030 | SP | SAND, some silt (~30%), mod. well-sorted, brown (10YR 5/3), v.fg, trace roots, weathered SS. frags, dry. End of boring @ 0.5' |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Roberts

Sample ID FDG2-SL-695-SA6-SB-0.0-0.5 Date/Time 06112014/1030

Matrix (circle one): (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler RANDY ROBERTS

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH ≤ 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH ≤ 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present Yes (No)

2. Percentage Fill (%) 5% disturbed

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

Color 10YR 5/3

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

PG Signature _____ PG Registration # 7735

Additional Comments _____

NA – Not Applicable

| Location ID: DG-623 | Subarea: 8 | Date Started: 05/21/2014 | Date Completed: 05/21/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 20.0' |
| Company Name: CDM SMITH | Drill Contractor/Driller: Strongarms | | |
| GPS collected? (Yes) or No | Drill Method: DPT - Macrocore | | Depth Drilled into Bedrock: NA |
| Radiological Background: 11/45 | Borehole diameter: 2.25" ϕ | | |
| PID Background: 0.0 ppm | Depth to GW: NA | | Sampling Method: DPT - Macrocore |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: [illegible] 7735 | | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 4.5/0.5 | 0.0 | 10/67 | FD62-SL 623-SA8 SB-0.0-0.5 | 1314 | SM | silty SAND, trace of gravel, brown (7.5YR5/4), fine root hairs w/ white fiberous material associated w/ roots, grading to SILT, V.fg. sand, fairly well-sorted, dry (Fill ?) |
| 1 | 3.5/3.2 | 0.0 | 11/74 | | | | |
| 2 | | 0.0 | 10/64 | | | | |
| | | | | | | ML | SILT w/ V.fg. sand, well-sorted, reddish brn. (5YR 4/3), trace of gravel, (FILL ?) |
| 3 | | 0.0 | 10/74 | | | | |
| 4 | 4.0/4.0 | 0.0 | 11/67 | FD62-SL 623-SA8 SB-4.0-5.0 | 1321 | SM | SILTY SAND/ ~~SAND, SILT~~ very friable w/ higher % of V.fg sand, mottled, red (10R 5/6), caliche-filled desication cracks/fractures/blebs, iron stain, dry (FILL ?) |
| 5 | | 0.0 | 10/61 | | | | |
| 6 | | 0.0 | 10/72 | | | | |
| 7 | | 0.1 | 10/68 | | | | |
| 8 | 4.0/ | 0.1 | 10/82 | | | | |
| | | | | | | ML | SILT w/ v.fg. sand, distict color change @ 8.3' reddish yellow (7.5YR 7/8), trace of gravel, dry to slt. moist, (native soil) |
| 9 | | 0.0 | 11/70 | FD62-SL 623-SA8 SB-9.0-10.0 | 1341 | | |
| 10 | | | | | | | |

CDM Smith

## BORING LOG AND SAMPLING RECORD



| ABBREVIATIONS: | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: DG-623 | Subarea: 8 | Date Started: 05/21/2014 | Date Completed: 05/21/2014 |
|---|---|---|---|
| Project: SSFL | | Geologist: F. Morris | Total Depth: 20' |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 10 | 4.0/4.0 | 0.0 | 11/63 | | | ML | (same as above) |
| 11 | | 0.0 | 11/69 | | | SM | silty SAND, similar color as above but higher sand content (silt 30 to 50%), reddish yellow (7.5YR 6/8), dry |
| 12 | 4.0/4.0 | 0.0 | 11/71 | | | | gradual color change to red ~~(5YR~~ 2.5YR 5/6), @ 12' |
| 13 | | 0.0 | 10/74 | | | | |
| 14 | | 0.0 | 9/61 | FDG2-SL 623-SA8 SB-14.0-15.0 | 1356 | | |
| 15 | | 0.1 | 9/80 | | | | same as above - trace of roots @ 15' to 16' |
| 16 | 4.0/4.0 | 0.0 | 9/64 | | | | |
| 17 | | 0.1 | 10/94 | | | | same as above - color change and higher silt content @ 17.2' to 18.5' bgs, reddish yellow (7.5YR 6/8), dry, trace of gravel ≤5% |
| 18 | | 0.0 | 10/72 | | | SP | SAND, well-sorted, v.f.g, some silt ≥30%, reddish yellow (7.5YR 6/8), grading to weathered sandstone @ 19.5', dry |
| 19 | | 0.0 | 10/64 | FDG2-SL 623-SA8 SB-19.0-20.0 | 1444 | | |
| 20 | | 0.0 | 10/81 | | | | Refusal @ 20' bgs bedrock |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Roberts

Sample ID FDG-2-SL-623-SA8-SB-0.0-0.5 Date/Time 05212014 / 1314

Matrix (circle one): (Soil) Sediment Water

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100 (?)

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |

Other Road Material (gravel)

**Is Staining Present** Yes (No)

Color 7.5 YR 5/4

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

PG Signature _____ PG Registration # 7735

Additional Comments _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Camden Rennie

Sample ID FDG-2-SL-623-SA8-SB-4.0-5.0 Date/Time 05212014/1321

Matrix (circle one): (Soil) Sediment Water

Start Depth 4.0

End Depth 5.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No ?

2. Percentage Fill (%) NA (?)

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other (?) | | |

**Is Staining Present** (Yes) No — Fe stain predominant

**Color** 10 R 5/6

**Odor**

1. Odor Strength (circle one)
   (None) Slight Strong

2. Odor Description (circle one)
   Organic Petroleum Chemical
   (N/A) Other _____

**Moisture Condition (circle one)**
(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Roberts

Sample ID FDG2-SL-623-SA8-SB-9.0-10.0 Date/Time 05212014 / 1341

Matrix (circle one): (Soil) Sediment Water

Start Depth 9.0

End Depth 10.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present Yes (No)

2. Percentage Fill (%) N/A

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** (Yes) No — Fe stain

**Color** 7.5YR 7/8

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** Nicole Hoffman **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

Sample ID FDG2-SL-623-SA8-SB-14.0-15.0 Date/Time 05/21/2014 / 1356

Matrix (circle one): (Soil) Sediment Water

Start Depth 14.0

End Depth 15.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present Yes (No)
2. Percentage Fill (%) NA
3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | (N/A) | |
| Other _____ | | |

**Is Staining Present** (Yes) No — Fig stain

**Color** 2.5 YR 5/2

**Odor**

1. Odor Strength (circle one)
   (None) Slight Strong
2. Odor Description (circle one)
   Organic Petroleum Chemical
   (N/A) Other _____

**Moisture Condition (circle one)**
(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Perritt

Sample ID FD62-SL-623-SA8-SB-19.0-20.0 Date/Time 05/21/2014/1414

Matrix (circle one): (Soil) Sediment Water

Start Depth 19.0

End Depth 20.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP (circled) | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present Yes (No)

2. Percentage Fill (%) NA

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | (N/A) | |
| Other _____ | | |

**Is Staining Present** (Yes) No — Fe stain

**Color** 7.5YR 6/8

**Odor**

1. Odor Strength (circle one)

None Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** Nikki D Hoffman **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: DG-624 | Subarea: 8 | Date Started: 6/5/14 | Date Completed: 6/5/14 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 1.6' |
| Company Name: CDM SMITH | Drill Contractor/Driller: N/A | | |
| GPS collected? (Yes) or No | Drill Method: N/A | | Depth Drilled into Bedrock: 0 |
| Radiological Background: 13 µR, 54 cpm | Borehole diameter: N/A | | |
| PID Background: 0.2 ppm | Depth to GW: N/A | | Sampling Method: Hand auger/slide hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: [signature] #7735 | | Geologist: Sandy Do |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.3 | 16/96 | FDG2-SL-624-SA8N-SB-0.0-0.5 | 1300 | SM | Silty SAND: Loose, Brown (10YR 5/3), 80% sand, f-m gr, tr c. gr, 20% silt, nonplastic, dry to moist |
| 1 | | 0.3 | 16/103 | | | ML | At 0.8 ft bgs: Soft, Brown (10YR 4/3), 90% silt, nonplastic, 10% sand, v. f. to f. gr., dry to moist |
| 2 | | | | | | | Total depth = 1.6 ft. Refusal at bedrock. |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

CDM Smith

**BORING LOG AND SAMPLING RECORD**



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

Page___of___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

**FSDS Checked By** _____

**Sample ID** FDG2-SL-624-SA8N (SM654)-SB-0.0-0.5 **Date/Time** 6/5/14 1300

**Matrix (circle one)**: (Soil) Sediment Water Plant

**Start Depth** 0.0

**End Depth** 0.5

**Depth Units (circle one)**: Inches (Feet)

**Check if Composite** ☐

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

**Parent Sample ID** N/A

**Field Geologist** Sandy Do

**Sampler** Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

### Fill Material

1. Is Fill Material Present Yes (No)

2. Percentage Fill (%) _____

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other _____ | | |

**Is Staining Present** Yes (No)

**Color** 10YR 5/3

### Odor

1. Odor Strength (circle one)

None Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

### Moisture Condition (circle one)

Dry (Moist) Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

| Location ID: DG-625 | Subarea: 8N | Date Started: 6/5/14 | Date Completed: 6/5/14 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 2' |
| Company Name: CDM SMITH | Drill Contractor/Driller: N/A | | |
| GPS collected? (Yes) or No | Drill Method: N/A | | Depth Drilled into Bedrock: 0 |
| Radiological Background: 15 µR; 71 cpm | Borehole diameter: N/A | | |
| PID Background: 0.3 ppm | Depth to GW: N/A | | Sampling Method: Hand auger/Slide hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: Mila Hoffman #7735 | | Geologist: Sandy Do |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | | 0.3 | 16/75 | FDG2-SL-625-SA8N-SB-0.0-0.5 | 1355 | ML | Sandy SILT: Soft, Dark yellowish brown (10YR 3/4), 70% silt, nonplastic, 30% sand, v. f. to f. gr., tr. f. gravel to 3/8", subangular, moist. |
| 1 | | 0.4 | 17/111 | | | | |
| | | | | | | SM | At 1.3 ft bgs: Silty SAND: M. dense, Dark yellowish brown (10YR 3/6), 60% sand, v. f. to f. gr, 40% silt, sandstone fragments to 1 inch, moist. |
| 2 | | 0.4 | 15/96 | | | | Total depth = 2 ft. Refusal at bedrock. |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

CDM Smith

**BORING LOG AND SAMPLING RECORD**



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

**FSDS Checked By** [signature]

**Sample ID** FDG2-SL-625-SA8N-SB-0.0-0.5 (SA6514) **Date/Time** 6/5/14 1355

**Matrix (circle one)**: (Soil) Sediment Water Plant

**Start Depth** 0.0

**End Depth** 0.5

**Depth Units (circle one)**: Inches (Feet)

**Check if Composite** ☐

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

**Parent Sample ID** N/A

**Field Geologist** Sandy Do

**Sampler** Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 3/4

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

Dry (Moist) Wet

**PG Signature** Mike Hoffman **PG Registration #** 2735

**Additional Comments** _____

NA – Not Applicable

| Location ID: DG-626 | Subarea: 8N | Date Started: 6/6/14 | Date Completed: 6/6/14 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 5.4' |
| Company Name: CDM SMITH | | Drill Contractor/Driller: N/A | |
| GPS collected? (Yes) or No | | Drill Method: N/A | Depth Drilled into Bedrock: 0' |
| Radiological Background: 15 μR/61 cpm | | Borehole diameter: | |
| PID Background: 0.0 ppm | | Depth to GW: not encountered | Sampling Method: Hand Auger/Slide Hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | | PG Review & Non: Nella Hoffman #7735 | Geologist: Sandy Do |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (μR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.0 | 15/100 SOIL/SAND 81 | FDG2-SL-626-SA8N-SB-0.0-0.5 | 0745 | ML | Sandy SILT: M. ~~firm~~ soft/firm, Dark brown (10YR 3/3), 70% silt, nonplastic, 30% sand, v. f. to f. gr., dry to moist, tr. roots. |
| 1 | | 0.1 | 15/86 | | | | At 1.1': SILT with sand: M. firm, Dark brown (10YR 3/3), 90% silt, nonplastic, 10% sand, v. f. to f. gr., moist, tr. rootlets. |
| 2 | | 0.0 | 15/95 | | | SM | 2': Silty SAND: M. dense, Strong brown (7.5YR 4/6): 60% sand, f. gr, 40% silt, nonplastic, ½" diameter root 2" long, moist. |
| 3 | | 0.0 | 15/89 | | | | |
| 4 | | 0.1 | 15/90 | | | | At 3.5': Tr. F. gravel, ¼" max. diameter, subangular to subrounded |
| 5 | 1/1 | 0.1 | 15/107 | FDG2-SL-626-SA8N-SB-4.0-5.0 | 0820 | ML | SILT W/ SAND<br>4.8': ~~Sandy SILT~~ SOIL/SAND: Firm, Strong brown (7.5YR 4/6), 75% silt, nonplastic, 25% sand, f. to m. grained, moist, tr. f gravel to ⅛" diameter |
| 6 | | | | | | | Total depth = 5.4'. Refusal at bedrock. |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

**CDM Smith** **BORING LOG AND SAMPLING RECORD** Page 1 of 1

| ABBREVIATIONS: | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

Comments: Offset 5' N away from poison oak.

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By

Sample ID FDG2-SL-626-SA8N-SB-0.0-0.5 (SMG014) Date/Time 6/6/14 0745

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID

Field Geologist Sandy Do

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | (ML) | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

### Fill Material

1. Is Fill Material Present Yes (No)

2. Percentage Fill (%) _____

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 3/3

### Odor

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

### Moisture Condition (circle one)

Dry (Moist) Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

**FSDS Checked By** _____

**Sample ID** FDGZ-SL-626-SA8N-SB-4.0-5.0 **Date/Time** 6/6/14 0820

**Matrix (circle one)**: (Soil) Sediment Water Plant

**Start Depth** 4.0

**End Depth** 5.0

**Depth Units (circle one)**: Inches (Feet)

**Check if Composite** ☐

**Collection Method (circle one)**: DPT Slide Hammer ~~Hand Auger/Slide Hammer~~ Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

**Parent Sample ID** _____

**Field Geologist** Sandy Do

**Sampler** Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

### Fill Material

**1. Is Fill Material Present** Yes (No)

**2. Percentage Fill (%)** _____

**3. Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes (No)

**Color** 7.5 YR 4/6

### Odor

**1. Odor Strength (circle one)**

(None) Slight Strong

**2. Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

### Moisture Condition (circle one)

Dry (Moist) Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: DG-628 | Subarea: 8 | Date Started: 05/22/2014 | Date Completed: 05/22/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: ~~15'~~ 14.8' |
| Company Name: CDM SMITH | Drill Contractor/Driller: Strongarm | | |
| GPS collected? (Yes) or No | Drill Method: Hand Auger | | Depth Drilled into Bedrock: NA |
| Radiological Background: 10/42 | Borehole diameter: 1.5" ∅ | | |
| PID Background: 0.0 ppm | Depth to GW: NA | | Sampling Method: Slide Hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No: Will Lyon #735 | | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.0 | 11/90 | FD62-SL 628-SA8 SB-0.0-0.5 | | SM | silty SAND w/ ~~gravel~~ (sm0914), >30% silt, v.fg. sand, brown (7.5YR 5/4), abundant roots and root hairs, trace of sub-angular gravel ≤5%, dry |
| 1 | | | | | | | Composite from Hand Auger |
| 2 | | 0.1 | 11/80 | | | SM | (same as above) |
| 3 | | | | | | | |
| 4 | 0.5/0.5 | | | FD62-SL 628-SA8 SB-4.0-5.0 | 0830 | | |
| 5 | — | 0.1 | 11/84 | | | SC | clayey SAND, w/ silt, dense (non-plastic) clay portion, reddish brown (2.5YR 5/4), root hairs, white calcium(?) caliche blebs/concretions, dry |
| 6 | | | | | | | Composite from Hand Auger |
| 7 | | 0.2 | 11/76 | | | | SANDY SILT (sm0914) ~~SILT and v.fg. SAND~~ w/ clay (same as above with silt ≥50%) less caliche than the 5'-7.5' interval, dry |
| 8 | | | | | | SC/ML/SM | |
| 9 | 0.5/0.5/0.5/0.5 | | | FD62-SL 628-SA8 SB-9.0-10.0 | 0852 | | |
| 10 | | 0.6 | 11/91 | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: DG-628 | Subarea: 8 | Date Started: 05/22/2014 | Date Completed: 05/22/2014 |
|---|---|---|---|
| Project: SSFL | | Geologist: F. MORRIS | Total Depth: 14.8' |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 10 | | 0.6 | 11/81 | | | SP | ~~SILTY SAND~~ SM6914 ~~SAND, v.fg w/ silt (≤30%)~~, red (2.5YR 5/6), iron staining, trace of root hairs |
| 11 | | | | | | | Composite |
| 12 | | 0.7 | 11/66 | | | SP/SM | ~~SILTY SAND~~ SM6914 ~~poorly graded SAND w/ silt~~ (same as above) some partially cemented sandstone clasts in composited sample to 14.8' |
| 13 | | | | | | | |
| 14 | 0.5/0.5 | | | FD52-SL 628-SA8 SB-14.0-15.0 | 0920 | | |
| 15 | 1602 | 0.8 | 11/74 | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

Page___of___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Renclow Ruiz

Sample ID FDG2-SL-628-SA8-SB-0.0-0.5 Date/Time 05222014/0820

Matrix (circle one): (Soil) Sediment Water

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** NA

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** 7.5YR 5/4

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** Mike Olgeson **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Reeves

Sample ID FDG2-SL-628-SA8-SB-4.0-5.0 Date/Time 05222014 / 0830

Matrix (circle one): (Soil) Sediment Water

Start Depth 4.0

End Depth 5.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM (circled) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present: Yes (No)
2. Percentage Fill (%): NA
3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | (N/A) | |
| Other: _____ | | |

**Is Staining Present** Yes (No)

**Color** 7.5YR 5/4

**Odor**

1. Odor Strength (circle one): (None) Slight Strong
2. Odor Description (circle one): Organic Petroleum Chemical (N/A) Other: _____

**Moisture Condition (circle one)**: (Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Reeves

Sample ID FDG2-SL-628-SA8-SB-9.0-10.0 Date/Time 05222014/0852

Matrix (circle one): (Soil) Sediment Water

Start Depth 9.0

End Depth 10.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

SM 09/14

**Fill Material**

1. Is Fill Material Present Yes (No)

2. Percentage Fill (%) NA

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** (Yes) No — Fe Stain

**Color** 2.5 YR 5/4

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** Mike Hoffman **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Roberts

Sample ID FD62-SL-628-SAB-SB-14.0-15.0 Date/Time 05222014/0920

Matrix (circle one): (Soil) Sediment Water

Start Depth 14.0

End Depth 15.0

Depth Units (circle one): Inches (Feet)

Check if Composite [✓] (see comments)

Collection Method (circle one): DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

SP-SM 5/16/14

**Fill Material**

1. Is Fill Material Present: Yes (No)

2. Percentage Fill (%): NA

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** (Yes) No — Fe stain

**Color** 2.5YR 5/6

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** Note: Sample contained in 55 sleeve and one 16 oz. glass jar. The second attempt w/ 55 sleeve was not successfull due to refusal/no recovery. Additional volume was collected in 16 oz jar from last hand auger retrival.

NA – Not Applicable

| Location ID: DG-629 | Subarea: 8 | Date Started: 06/11/2014 | Date Completed: 06/11/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 1.3' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | | |
| GPS collected? (Yes) or No | Drill Method: Hand Auger | | Depth Drilled into Bedrock: NA |
| Radiological Background: 14/67 | Borehole diameter: 2.5" Φ | | |
| PID Background: 0.3 | Depth to GW: NA | | Sampling Method: Slide Hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: Mike Hoffman #7735 | | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.2 | 15/101 | FDG2-SL-629-SA8-SB-0.0-0.5 | 1405 | ML | SILT, ~~some v.fg~~ sand (~~v.fg~~) (~15%), very dk. grayish brown (10YR 3/2), sandstone rock fragments @ ~0.9 to 1.3', dry |
| 1 | | | | | | | End of boring @ 1.3' @ refusal |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Roberts

Sample ID FDG2-SL-629-SA8-SB-0.0-0.5 Date/Time 06/12/2014 / 1405

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler RANDY ROBERTS

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML (circled) | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

### Fill Material

1. Is Fill Material Present: Yes (No)
2. Percentage Fill (%): N/A
3. Fill Description (circle all that apply)

Asphalt  Metal  Plastic

Concrete  Wood  Glass

Igneous/Metamorphic Gravel  (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 3/2

### Odor

1. Odor Strength (circle one)

(None)  Slight  Strong

2. Odor Description (circle one)

Organic  Petroleum  Chemical

(N/A)  Other _____

### Moisture Condition (circle one)

(Dry)  Moist  Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: DG-630 | Subarea: 8 | Date Started: 06/10/2014 | Date Completed: 06/10/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 7.5' |
| Company Name: CDM SMITH | | Drill Contractor/Driller: NA | |
| GPS collected? Yes or No | | Drill Method: Hand Auger | Depth Drilled into Bedrock: NA |
| Radiological Background: 9/56 | | Borehole diameter: 2.5" | |
| PID Background: 0.1 | | Depth to GW: NA | Sampling Method: Slide Hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | | PG Review & No.: Mike Hoffman #7735 | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.3 | 12/84 | FDG2-SL-630-SA8-SB-0.0-0.5 | 0755 | SW/SM | silty SAND, w/ gravel, poorly-sorted, grayish-brown (10YR 5/2), trace roots, dry (FILL) |
| 1 | | 0.4 | 10/87 | | | | -same as above w/ s/t. color change to brown (10YR 4/3) |
| 2 | | 0.5 | 11/58 | | | | SILTY SAND ~~SAND w/ silt~~ (>15%), few gravel (6-10%), trace of white material ($CaCO_3$?) @ 2-3', |
| 3 | | 0.4 | 11/63 | sm@2314 | 50 | SM | less gravel, moderately well-sorted, yellowish-brown (10YR 5/4), loose, dry (FILL)? |
| 4 | | 0.3 | 11/83 | FDG2-SL-630-SA8-SB-4.0-5.0 MS | 0830 | | more white material - fungus(?) 4'-5' and 6'-7' string-like structure and blebs, trace of clay (caliche?) increases w/ depth |
| 5 | | 0.5 | 11/86 | FDG2-SL-930-SA8-SB-4.0-5.0 | 0840 | | |
| 6 | | 0.6 | 11/67 | | | | |
| 7 | | 0.5 | 10/80 | FDG2-SL-630-SA8-SB-7.0-8.0 | 0905 | | |
| 8 | | | | | | | End of boring @ ~~8~~ 7.5' near refusal 0.4 ppm / 10 µR/79 cpm |
| 9 | | | | | | | |
| 10 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

Page___of___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Reeves

Sample ID FDG2-SL-630-SA8-SB-0.0-0.5 Date/Time 06102014/0755

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler RANDY ROBERTS

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X FRW 6/10/14 |
| | TPH-EFH | EPA 8015 | |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW SM | Well graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

### Fill Material

1. Is Fill Material Present (Yes) No — Fax 6/16/14

2. Percentage Fill (%) 100 (berm)

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | (N/A) | |
| Other rock fragments | | |

**Is Staining Present** Yes (No)

**Color** 10YR 5/2

### Odor

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

### Moisture Condition (circle one)

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By FMM 6/19/14 Randall Reeves

Sample ID FDG2-SL-630-SA8-SB-4.0-5.0 MS Date/Time 06/02/2014 / 0830

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 4.0

End Depth 5.0

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☑

**Collection Method (circle one)**: DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler RANDY ROBERTS

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW SM | Well graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** NA

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** (Yes) No — Some white material — fungus? Caliche?

**Color** 10YR 5/4

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

Sample ID FDG2-SL-930-SA8-SB-4.0-5.0 Date/Time 06102014/0840

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 4.0

End Depth 5.0

**Depth Units (circle one)**: Inches (Feet)

Check if Composite [ ]

**Collection Method (circle one)**: DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment Cutting Shovel

**QC Type (circle one)**: N (FD) FB RB

Parent Sample ID FDG2-SL-630-SA8-SB-4.0-5.0 MS

Field Geologist FRANK MORRIS

Sampler RANDY ROBERTS

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

## Fill Material

1. Is Fill Material Present: Yes (No)

2. Percentage Fill (%): NA

3. Fill Description (circle all that apply)

Asphalt  Metal  Plastic

Concrete  Wood  Glass

Igneous/Metamorphic Gravel  (N/A)

Other _____

## Is Staining Present: Yes (No)

Minor white fungus? caliche?

Color: 10YR 5/4 FRESH

## Odor

1. Odor Strength (circle one)

None  Slight  Strong

2. Odor Description (circle one)

Organic  Petroleum  Chemical

(N/A)  Other _____

## Moisture Condition (circle one)

(Dry)  Moist  Wet

PG Signature _____  PG Registration # 7735

Additional Comments _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randeer Roberts

Sample ID FDG2-SL-630-SA8-SB-7.0-8.0 Date/Time 06102014 /0905

Matrix (circle one): (Soil) Sediment Water Plant

Start Depth 7.0

End Depth 8.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): DPT Slide Hammer ~~Hand Auger/Slide Hammer~~ Trenching Sediment Cutting Shovel

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler RANDY ROBERTS

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

Caliche ?

### Fill Material

1. Is Fill Material Present: Yes (No)

2. Percentage Fill (%): NA

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present:** (Yes) No

**Color:** 10YR 5/4

### Odor

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

### Moisture Condition (circle one)

(Dry) Moist Wet

**PG Signature:** _____ **PG Registration #:** 7735

**Additional Comments:** _____

| Location ID: DG-631 | Subarea: 8 | Date Started: 6/5/14 | Date Completed: 6/5/14 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 7.6' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | | |
| GPS collected? Yes or No | Drill Method: NA | | Depth Drilled into Bedrock: 0 |
| Radiological Background: 12 µRem/48 cpm | Borehole diameter: | | |
| PID Background: 0.1 ppm | Depth to GW: not encountered | | Sampling Method: Hand auger/Slide Hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: Mike Thomson #7735 | | Geologist: Sandy Do |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | 0.5/0.5 | 0.0 | 12/88 | FDG2-SL-631-SA8-SB-0.0-0.5 | 0815 | SM | Silty SAND: Very dark grayish brown (10YR 3/2); 60% sand, 40% silt, fgr, tr rootlets, tr. clay. Loose. |
| 1 | | 0.1 | 12/85 | | | | At 1 ft bgs: Dry to moist. Med. dense. |
| 2 | | 0.3 | 12/80 | | | | At 1.8 ft bgs: Moist; Dark brown (10YR 3/3), No rootlets, increase in clay. |
| 3 | | 0.2 | 13/90 SB 6-5-14 91 | | | | 3': Med. dense, Dark brown (10YR 3/3); silty SAND, 55% sand, 45% silt, fgr, moist, tr. red ferrous oxide stain, No clay. |
| 4 | SDG5-14 | 0.2 | 13/90 | | | | 4.2': Tr. clay. Same as above at 3'. |
| | 0.5/0.5 | | | FDG2-SL-631-SA8-SB-4.5-5.0 | 0850 | | |
| 5 | 4.8': 0.5<br>5': 0.3 | | 13/79<br>13/69 | | | ML | 4.8': Firm; Dark yellowish brown (10YR 4/4); Sandy SILT; 50% silt, 50% sand, f-m gr, moist. |
| | | | | | | | 5.4': Tr. f gravel. White clumps of calcium carbonate to 1/8 inch diameter SDG 6-5-14 ~~Stain possibly bentonite from first sample event at boring location.~~ |
| 6 | | 0.4 | 13/82 | | | SM | 6': M. dense, Grayish brown (10YR 5/2); silty SAND; 75% sand, 25% silt, f-m gr, tr c gr white clumps of calcium carbonate abundant. |
| 7 | 1/1 | 0.4 | 14/74 | FDG2-SL-631-SA8-SB-7.0-8.0 | 0940 | | 7': Brown (10YR 5/3), tr. clay, tr. orange ferrous oxide staining. |
| | | | | | | | Total depth at 7.6'. Refusal depth. |
| 8 | | | | | | | |

CDM Smith

**BORING LOG AND SAMPLING RECORD**



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

Page___of___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Rumm

Sample ID FDG2-SL-631-SA8-SB-0.0-0.5 Date/Time 6/5/14 0815

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT ~~Slide Hammer~~ Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID N/A

Field Geologist Sandy Do

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
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| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

### Fill Material

**1. Is Fill Material Present** Yes (No)

**2. Percentage Fill (%)** _____

**3. Fill Description (circle all that apply)**

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other _____ | | |

**Is Staining Present** Yes (No)

**Color** dark grayish brown (10YR 3/2)

### Odor

**1. Odor Strength (circle one)**

(None) Slight Strong

**2. Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

### Moisture Condition (circle one)

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Rumph

Sample ID FDG2-SL-631-SA8-SB-~~4.0~~ 4.5-5.0 (SDG-5-14) Date/Time 6/5/14 0850

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth ~~4.0~~ 4.5 (SDG-5-14)

End Depth 5.0

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID N/A

Field Geologist Sandy Do

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

**1. Is Fill Material Present** Yes (No)

**2. Percentage Fill (%)** _____

**3. Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes (No)

**Color** dark brown (10YR 3/3)

**Odor**

**1. Odor Strength (circle one)**

(None) Slight Strong

**2. Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

Dry (Moist) Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Roberts

Sample ID FDG2-SL-631-SA8-SB-7.0-8.0 Date/Time 6/5/14 0940

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 7.0

End Depth 8.0

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID N/A

Field Geologist Sandy Do

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other _____ | | |

**Is Staining Present** Yes (No)

**Color** Brown (10YR5/3)

**Odor**

1. **Odor Strength (circle one)**

None Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

Dry (Moist) Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: DG-632 | Subarea: 8 | Date Started: 06/09/2014 | Date Completed: 06/09/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 0.5' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | | |
| GPS collected? (Yes) or No | Drill Method: Slide Hammer | | Depth Drilled into Bedrock: NA |
| Radiological Background: 15/82 | Borehole diameter: | | |
| PID Background: 0.1 | Depth to GW: NA | | Sampling Method: Slide Hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No: Miller Hoffman #7735 | | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.1 | 14/115 | FDG2-SL-632-SAB-SB-0.0-0.5 | 1050 | SW/SM | SAND, vf-g and some silt (≥40%), brown (10YR5/3), poorly sorted, valley fill between boulders, trace gravels ~15%, dry |
| 1 | | | | | | | End of boring @ 0.5' sampled |
| 2 | | | | | | | 0.0 ppm 14/57 (µR/cpm) |

CDM Smith

## BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

Sample ID FDG2-SL-632-SA8/SB-0.0-0.5 Date/Time 06092014 / 1050

Fax 6/9/14

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler CRAIG NOCHAJSKI

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well graded SAND w/silt + gravels Sm623(4) |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

### Fill Material

1. Is Fill Material Present (Yes) No — valley fill

2. Percentage Fill (%) 50–100

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

### Is Staining Present Yes (No)

Color 10YR 5/3

### Odor

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

### Moisture Condition (circle one)

(Dry) Moist Wet

PG Signature _____ PG Registration # 7735

Additional Comments _____

NA – Not Applicable

FN 6/9/14

| | | | |
|---|---|---|---|
| Location ID: ~~GNBZ~~ DG-558 | Subarea: NBZ | Date Started: 06/09/2014 | Date Completed: 06/09/2014 |
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 1.1' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | | |
| GPS collected? (Yes) or No | Drill Method: Hand Auger | | Depth Drilled into Bedrock: NA |
| Radiological Background: ~~18/112~~ 16/68 | Borehole diameter: ~~NA~~ 2.5" | | |
| PID Background: 0.0 ppm | Depth to GW: NA | | Sampling Method: Slide Hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: #7755 | | Geologist: E. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.0 | 18/112 | FDG2-SL-558-NBZ-SB-0.0-0.5 | 0830 | ML | SILT w/ v.f.g sand, brown (10 YR 4/3), trace sandstone clasts (1/4" size) abundant roots, grading to v.f.g sand @ 0.8 feet, dry (SP) |
| 1 | | 0.6 | 17/96 | | | SP | END of boring on bedrock @ 1.1' |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

Page___of___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Craig Nochajski

Sample ID FDG2-SL-558-NBZ-SB-0.0-0.5MS Date/Time 06092014 / 0830

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler CRAIG NOCHAJSKI

## Analysis

| Parameters | Method | Analyze? |
|---|---|---|
| Metals | EPA 6010 | X |
| | EPA 6020 | X |
| | EPA 7471 (Soil) | X |
| | EPA 7470 (Water) | |
| Fluoride | EPA 300.0/9056 | |
| SVOCs | EPA 8270 | |
| TIC | EPA 8270 | |
| PAHs | EPA 8270 SIM | X |
| 1,4 Dioxane | EPA 8270 SIM | |
| Dioxins | EPA 1613 | X |
| PCBs/PCTs | EPA 8082 | X |
| Perchlorate | EPA 314.0/331 | |
| Perchlorate Confirmation | EPA 6850/6860 | |
| pH | EPA 9045 (Soil) | X |
| | EPA 9040 (Water) | |
| Hexavalent Chromium | EPA 7196/7199 | |
| Herbicides | EPA 8151 | X |
| Pesticides | EPA 8081 | X |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well graded SAND |
| | | | | SP (circled) | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML (circled) | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

@ bedrock

surface to 0.8'

## Fill Material

1. Is Fill Material Present Yes (No)

2. Percentage Fill (%) NA

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 4/3

## Odor

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

## Moisture Condition (circle one)

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Craig Nochajski

Sample ID FDG2-SL-858-NBZ-SB-0.0-0.5 Date/Time 06092014/0835

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☑

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: N (FD) FB RB

Parent Sample ID FDG-2-SL-558-NBZ-SB-0.0-0.5MS

Field Geologist FRANK MORRIS

Sampler CRAIG NOCHAJSKI

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | X |
| | Pesticides | EPA 8081 | X |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well graded SAND |
| | | | | (SP) | Poorly graded SAND @ bedrock |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | (ML) | Inorganic SILT with low plasticity surf. to 0.8' |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

### Fill Material

1. Is Fill Material Present: Yes (No)

2. Percentage Fill (%): N/A

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present:** Yes (No)

**Color:** 10YR 4/3

### Odor

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

### Moisture Condition (circle one)

(Dry) Moist Wet

**PG Signature:** Nicholas Hoffman **PG Registration #:** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: DG-559 | Subarea: NBZ | Date Started: 06/09/2014 | Date Completed: 06/09/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 0.5' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | | |
| GPS collected? (Yes) or No | Drill Method: Hand Auger | | Depth Drilled into Bedrock: NA |
| Radiological Background: 15/69 | Borehole diameter: 2.5" | | |
| PID Background: 0.0 | Depth to GW: NA | | Sampling Method: Slide Hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: [signature] #735 | | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | | | | | | | (med-to-fine grained) |
| | 0.5/0.5 | 0.5 | 15/100 | FD62-SL-559-NBZ-SB-0.0-0.5 | 0925 | SP | SAND, lt. yellowish brown (10YR 6/4), well-sorted w/ broken pieces of weathered bedrock, dry. |
| 1 | | | | | | | End of boring @ 0.5' refusal on bedrock |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Craig Nochajski

Sample ID FD62-SL-559-NBZ-SB-0.0-0.5 Date/Time 06092014/0925

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler CRAIG NOCHAJSKI

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | X |
| | Pesticides | EPA 8081 | X |

SM 6/9/14

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well graded SAND |
| | | | | SP (circled) | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

## Fill Material

1. Is Fill Material Present: Yes (No)

2. Percentage Fill (%): NA

3. Fill Description (circle all that apply)

Asphalt  Metal  Plastic

Concrete  Wood  Glass

Igneous/Metamorphic Gravel  (N/A)

Other _____

**Is Staining Present** (Yes) No — minor Fe oxidation

**Color** 10YR 6/4

## Odor

1. Odor Strength (circle one)

(None)  Slight  Strong

2. Odor Description (circle one)

Organic  Petroleum  Chemical

(N/A)  Other _____

## Moisture Condition (circle one)

(Dry)  Moist  Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-560 | NBZ | 06/11/2014 | 06/11/2014 |

| | | |
|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | Total Depth: 0.7 |
| Company Name: CDM SMITH | Drill Contractor/Driller: N/A | |
| GPS collected? (Yes) or No | Drill Method: N/A | Depth Drilled into Bedrock: N/A |
| Radiological Background: 16/71 | Borehole diameter: N/A | |
| PID Background: 0.0 | Depth to GW: N/A | Sampling Method: hand auger / slide hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No: Mike Hoffman #7735 | Geologist: W. Treadway |

Collected in road, 15ft. from actual location in creek bed.

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | | ~~0.0~~ WT 0.0 | ~~16/71~~ 16/101 | FDG-SL-560-NBZ-SB-0.0-0.5 | 11:35 | SW | well graded SAND with gravel, 85% sand, f. to c. gr. 15% gravel, Φ = 1.5in., olive brown (2.5Y 4/4), in dry creek bed with large cobbles Φ 1ft. Refusal @ 0.7ft. Sample taken directly upstream ≈ 15ft. of water trough. |
| 1 | | | | | | | |
| 2 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By

Sample ID FDG-SL-5160-NB2-SB-0.0-0.5 Date/Time 06/11/2014 11:35

Matrix (circle one): (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches Feet

Check if Composite ☐

Collection Method (circle one): DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

QC Type (circle one): (N) FD FB RB

Parent Sample ID N/A

Field Geologist Whitney Treadway

Sampler Sandy Do

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | (SW) | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other _____ | | |

**Is Staining Present** Yes (No)

**Color** 2.5Y 4/4

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** 2 sleeves, 1 4oz jar. Sample taken in dry creek bed, 15 ft. upstream of water trough. Refusal at 0.7 ft.

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-561 | NBZ | 05/23/2014 | 05/23/2014 |

| | | |
|---|---|---|
| Client: DOE — Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 0.6' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | |
| GPS collected? Yes or (No) | Drill Method: Hand Auger | Depth Drilled into Bedrock: NA |
| Radiological Background: 15/73 | Borehole diameter: 1.5" Φ | |
| PID Background: 0.0 | Depth to GW: NA | Sampling Method: Slide Hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: | Geologist: E. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| SH NA | 0.5/0.5 | 0.6 | 20/106 | FD62-SL 561-NBZ SB-0.0-0.5 | 0925 | SP SW | SAND, med-grained, poorly (slightly) well-graded silt to cobbles gray/orn. (7.5YR 5/1), roots, bark (slightly), and leaf debris, igneous/metamorphics, Refusal on cobbles @ 0.6' – could not auger through cobbles/boulders in contact |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

Page___of___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Roberts

Sample ID FDG2-SL-561-NBZ-5B-0.0-0.5 Date/Time 05232014/0925

Matrix (circle one): Soil, Sediment, Water — FR 5/23/14

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches, Feet

Check if Composite ✓ — Additional Volume in 16oz.

Collection Method (circle one): DPT, Slide Hammer, Hand Auger/Slide Hammer, Trenching, Sediment — FR 5/23/14

QC Type (circle one): N, FD, FB, RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler RANDY ROBERTS

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

SW ~~SP~~ Sediment

**Fill Material**

1. Is Fill Material Present Yes (No)
2. Percentage Fill (%) Sediment
3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** 7.5YR 5/1

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** Nikki Hoffman **PG Registration #** 7735

**Additional Comments** Used 16 oz. jar for additional volume since 2nd S.S. sleeve would not hold very loose sediment.

NA – Not Applicable

| Location ID: DG-562 | Subarea: NBZ | Date Started: 06/12/2014 | Date Completed: 06/12/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 1.5 ft. |
| Company Name: CDM SMITH | Drill Contractor/Driller: N/A | | |
| GPS collected? Yes or No | Drill Method: N/A | | Depth Drilled into Bedrock: N/A |
| Radiological Background: 18/4374 | Borehole diameter: N/A | | |
| PID Background: 0.0 | Depth to GW: N/A | | Sampling Method: Slide hammer / hand auger |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: Nikki Hoffman #7735 | | Geologist: W. Treadway |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | | 0.0 | 17/52 | FDG2-SC-~~NBZ-~~562- | 08:50 | SW-SC | SC well graded SAND with clay, 90% sand, f. to c. gr., 10% clay, tr. gravel, subrounded to angular, Φ = 1 in., very dark brown (10YR 2/2), wet, in creek bed with standing water, large cobbles Φ = 1 ft. present in creek bed, rounded. |
| 1 | | | | | | SC | At 1.2 ft., clayey SAND, 65% sand, v.f. to m.gr., 35% clay, tr. gravel (same as above), very dark grayish brown (2.5YR 3/2) |
| 2 | | | | | | | Refusal @ 1.5 ft. on large cobbles and/or bedrock |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

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# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

Sample ID FDG2-SL-562-NB2-SB-0.0-0.5 Date/Time 6/12/2014 08:50

Matrix (circle one): (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): DPT (correct) (Slide Hammer) Hand Auger/Slide Hammer (WT 6/6/14) Trenching Sediment Cutting Shovel

QC Type (circle one): (N) FD FB RB

Parent Sample ID N/A

Field Geologist Whitney Treadway

Sampler Sandy Do

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | X |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

WT061214

### Fill Material

1. Is Fill Material Present: Yes (No)

2. Percentage Fill (%) _____

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 2/2

### Odor

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

### Moisture Condition (circle one)

Dry Moist (Wet)

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** used 2 16oz jars because sample would not stay in sleeves. Sample in creek bed with standing water.

| Location ID: DG-563 | Subarea: NB2 | Date Started: 06/12/2014 | Date Completed: 06/12/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 0.5 ft. |
| Company Name: CDM SMITH | Drill Contractor/Driller: N/A | | |
| GPS collected? Yes or (No) | Drill Method: N/A | | Depth Drilled into Bedrock: N/A |
| Radiological Background: 15/56 | Borehole diameter: N/A | | |
| PID Background: 3.3 | Depth to GW: N/A | | Sampling Method: Slide hammer / hand auger |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: Willie Hagen #735 | | Geologist: W. Treadway |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | | 3.3 | 10/68 | FDG2-SL-563-NB2-SB-0.0-0.5 | 09:25 | SW ↓ | well graded SAND, f. to c. gr., tr. gravel, subangular to rounded, Φ = 1 in., olive brown (2.5 YR 4/4), dry, in creek bed with large, rounded cobbles, Φ = 1 ft. Refusal @ 0.5 ft. on large cobbles and/or bedrock |
| 1 | | | | | | | |
| 2 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



| ABBREVIATIONS: | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By

Sample ID FDG2-SL-563-MB7-SB-0.0-0.5 Date/Time 06/12/2014 09:25

Matrix (circle one): (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

QC Type (circle one): (N) FD FB RB

Parent Sample ID N/A

Field Geologist Whitney Treadway

Sampler Sandy Do

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | X |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | X |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH ≤ 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH ≤ 5% FINES | | (SW) | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present Yes (No)

2. Percentage Fill (%) _____

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

Color 2.5YR 4/4

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

PG Signature _____ PG Registration # 7735

Additional Comments 2 sleeves and 1 4oz jar.
Sample in dry creek bed.

NA – Not Applicable

| Location ID: DG-564 | Subarea: NBz | Date Started: 06/10/2014 | Date Completed: 06/10/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 0.5 |
| Company Name: CDM SMITH | Drill Contractor/Driller: N/A | | |
| GPS collected? (Yes) or No | Drill Method: N/A | | Depth Drilled Into Bedrock: N/A |
| Radiological Background: 16/87 | Borehole diameter: N/A | | |
| PID Background: 4.2 | Depth to GW: N/A | | Sampling Method: slide hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: Julie Hoffman #7735 | | Geologist: W. Treadway |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | | 3.7 | 16/101 | FDGZ-SL-564-NBZ-0.0-0.5 | 10:05 | ML | Sandy SILT, 70% silt, 30% v. f. gr. sand, dark brown (10YR 3/3), loose, thin roots |
| 1 | | | | | | | |

**CDM Smith** BORING LOG AND SAMPLING RECORD Page 1 of 1

| ABBREVIATIONS: | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

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# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

**FSDS Checked By** _____

**Sample ID** FDGZ-SL-564-NBZ-SB-0.0-0.5 **Date/Time** 06/10/2014 10:05

**Matrix (circle one)**: (Soil) Sediment Water Plant

**Start Depth** 0.0

**End Depth** 0.5

**Depth Units (circle one)**: Inches Feet

**Check if Composite** ☐

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

**Parent Sample ID** N/A

**Field Geologist** Whitney Treadway

**Sampler** Sandy Po

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | (ML) | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

### Fill Material

1. Is Fill Material Present Yes (No)

2. Percentage Fill (%) _____

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

Is Staining Present Yes (No)

Color WT 061014 10YR 6/3 10YR 3/3

### Odor

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

### Moisture Condition (circle one)

(Dry) Moist Wet

PG Signature _____ PG Registration # 7735

Additional Comments 2 sleeves, 1 4oz jar

NA – Not Applicable

| Location ID: DG-565 | Subarea: NBZ | Date Started: 06/10/2014 | Date Completed: 06/10/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 0.5 |
| Company Name: CDM SMITH | | Drill Contractor/Driller: N/A | |
| GPS collected? (Yes) or No | | Drill Method: N/A | Depth Drilled into Bedrock: N/A |
| Radiological Background: 16/73 | | Borehole diameter: N/A | |
| PID Background: | | Depth to GW: N/A | Sampling Method: slide hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | | PG Review & No.: Nikki Hoffman #7735 | Geologist: W. Treadway |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | | 2.7 | 17/86 | FDG2-SL-565-NBZ-000S 06/14 SB-000S | 09:35 | SM | Silty SAND, loose, v.f to f gr., dark brown, (10YR 3/3), 60% sand, poorly graded, 40% silt, roots and woody material, some clumps. * Sample taken 3ft. East of flag. because there is barely any top soil above bedrock. |
| 1 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



| ABBREVIATIONS: | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

NOTE: Sample taken 3ft. East of flag / whiskers

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

Sample ID FDG-SL-565-NBZ-0.0-0.5 (SB-0.0-0.5) WT061014 Date/Time 06/10/2014 09:35

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID N/A

Field Geologist Whitney Treadway

Sampler Sandy Do

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 3/3

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** Mike Hoffman **PG Registration #** 7735

**Additional Comments** 2 sleeves, 1 4oz jar, sample taken 3ft East of flag.

NA – Not Applicable

| Location ID: DG-566 | Subarea: NBZ | Date Started: 6/10/2014 | Date Completed: 6/10/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 0.5 |
| Company Name: CDM SMITH | Drill Contractor/Driller: N/A | | |
| GPS collected? (Yes) or No SM6/0/14 | Drill Method: N/A | | Depth Drilled into Bedrock: N/A |
| Radiological Background: 16/80 | Borehole diameter: N/A | | |
| PID Background: | Depth to GW: N/A | | Sampling Method: Slide hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: Mike Heffron #7735 | | Geologist: W. Treadway |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | ↓ | 0.0 | 16/81 | FDG2-SL-566-NBZ-SB-0.0-0.5 | 08:50 | SM ↓ | Silty SAND, mostly f.gr., dark brown (10YR 3/3) loose, and v.f.gr. abundant roots and woody material 40% v.f to f.gr sand, 40% silt poorly graded |
| 1 | | | | | | | |
| 2 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

Page___of___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

Sample ID FDG12-SL-5606-NBZ-~~0.0-0.5~~ -SB-0.0-0.5 WT 061014 Date/Time 06/10/2014 09:50

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID N/A

Field Geologist Whitney Treadway

Sampler Sandy Do

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 3/3

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** Nick Hoffman **PG Registration #** 7735

**Additional Comments** 2 sleeves + 1 4oz jar collected.

NA – Not Applicable

| Location ID: DG-567 | Subarea: NBZ | Date Started: 06/17/2014 | Date Completed: 06/17/2014 |
|---|---|---|---|
| Client: DOE (PGM) | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 0.5' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | | |
| GPS collected? Yes or No | Drill Method: Slide Hammer | | Depth Drilled into Bedrock: NA |
| Radiological Background: 16/57 | Borehole diameter: 1.5" Φ | | |
| PID Background: 0.1 ppm | Depth to GW: NA | | Sampling Method: S.S. Slide Hammer / Sleeves |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: [signature] #7735 | | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.1 | 15/93 | FDG2-SL-567-NBZ-SB-0.0-0.5 | 0855 | ML | SILT w/ sand, v. fg., and organics, dark brown (10YR 3/3), roots, trace coarse sand + gravel, dry (silt > 50%) |
| 1 | | | | | | | |
| 2 | | | | | | | |

**CDM Smith** BORING LOG AND SAMPLING RECORD Page 1 of 1

ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

Page___of___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By

Sample ID FDG2-SL-~~568~~ 567 -NBZ-SB-0.0-0.5 (Sim 0714) Date/Time 06172014 / 0855

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ✓ (2) Sleeves

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler SANDY DO

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

### Fill Material

1. Is Fill Material Present: Yes (No)

2. Percentage Fill (%): NA

3. Fill Description (circle all that apply)

Asphalt  Metal  Plastic

Concrete  Wood  Glass

Igneous/Metamorphic Gravel  (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 3/3

### Odor

1. Odor Strength (circle one)

(None)  Slight  Strong

2. Odor Description (circle one)

Organic  Petroleum  Chemical

(N/A)  Other _____

### Moisture Condition (circle one)

(Dry)  Moist  Wet

**PG Signature** Mike Hobson #7735  **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: DG-568 | Subarea: NBZ | Date Started: 06/17/2014 | Date Completed: 06/17/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 0.5' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | | |
| GPS collected? Yes or No | Drill Method: Slide Hammer | | Depth Drilled into Bedrock: NA |
| Radiological Background: 16/72 | Borehole diameter: 1.5" ϕ | | |
| PID Background: 0.0 ppm | Depth to GW: NA | | Sampling Method: 55. Slide Hammer/Sleeve |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No. [illegible] #7735 | | Geologist: E. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.0 | 17/81 | FD62-SL-568-NBZ-SB-0.0-0.5 | 0755 | OL | Organic soil w/ sand, v.fg., very dark brown, (10YR2/2), abundant roots, (top soil), dry |
| 1 | | | | | | | |
| 2 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By

Sample ID FDG2-SL-568-NBZ-SB-0.0-0.5 Date/Time 06/7/2014 / 0755

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ✓ (4) Sleeves

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler SANDY DO

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

CL KK 6/12/14

### Fill Material

**1. Is Fill Material Present** Yes (No)

**2. Percentage Fill (%)** NA

**3. Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** 10 YR 2/2

### Odor

**1. Odor Strength (circle one)**

(None) Slight Strong

**2. Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

### Moisture Condition (circle one)

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-569 | NBZ | 06/12/2014 | 06/12/2014 |

| | | |
|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | Total Depth: 0.5' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | |
| GPS collected? (Yes) or No | Drill Method: Slide Hammer/SS Sleeve | Depth Drilled into Bedrock: NA |
| Radiological Background: 13/54 | Borehole diameter: 1.5" Φ | |
| PID Background: 0.1 | Depth to GW: NA | Sampling Method: Slide Hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: [signature] #7735 | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.2 | 15/94 | FD62-SW-569-NBZ-SB-0.0-0.5 | 0855 | SW | SAND, med. to coarse grained, poorly-sorted, w/ silt and gravels (weathered sandstone), brown (10YR 5/3), trace roots, dry. |
| 1 | | | | | | | End of boring @ 0.5' |
| 2 | | | | | | | |
| 3 | | | | | | | |

CDM Smith

## BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Roberts

Sample ID FDG2-SL-569-NBZ-SB-0.0-0.5 Date/Time 06/22/2014/0855

Matrix (circle one): (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☑

Collection Method (circle one): DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler RANDY ROBERTS

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

### Fill Material

1. Is Fill Material Present Yes (No)

2. Percentage Fill (%) NA

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 5/3

### Odor

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

### Moisture Condition (circle one)

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-570 | NBZ | 06/12/2014 | 06/12/2014 |

| | | |
|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | Total Depth: 0.5' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | |
| GPS collected? (Yes) or No | Drill Method: Slide Hammer/SS Sleeve | Depth Drilled into Bedrock: NA |
| Radiological Background: 13/64 | Borehole diameter: 1.5" Φ | |
| PID Background: 0.2 ppm | Depth to GW: NA | Sampling Method: Slide Hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review/& No.: Mike Hoffman #735 | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.2 | 13/103 | FDG2-SL-570-NBZ-SB-0.0.05 | 0810 | SM | silty SAND, v.fg., brown (10YR 4/3), trace roots, and sandstone clasts, dry. End of boring @ 0.5' |
| 1 | | | | | | | |
| 2 | | | | | | | |

CDM Smith

## BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

QDM Smith

FSDS Checked By Randall Roberts

Sample ID FDG2-SL-570-NBZ-SB-0.0-0.5 Date/Time 06122014/0810

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☑

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler RANDY ROBERTS

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

### Fill Material

**1. Is Fill Material Present** Yes (No)

**2. Percentage Fill (%)** NA

**3. Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 4/3

### Odor

**1. Odor Strength (circle one)**

(None) Slight Strong

**2. Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

### Moisture Condition (circle one)

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** #7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: DG-571 | Subarea: NBZ | Date Started: 06/11/2014 | Date Completed: 06/11/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 1.0 ft. |
| Company Name: CDM SMITH | Drill Contractor/Driller: N/A | | |
| GPS collected? Yes or No | Drill Method: N/A | | Depth Drilled into Bedrock: N/A |
| Radiological Background: 18/83 | Borehole diameter: N/A | | |
| PID Background: 00 | Depth to GW: N/A | | Sampling Method: Slide hammer / hand auger |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: [signature] #7735 | | Geologist: W. Treadway |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | | 0.0 | 17/87 | FDG-SL-571-NBZ-SB-00-0.5 | 14:40 | SP | poorly graded SAND with gravel, 80% sand, f. to m. gr, tr. c. gr, 20% gravel, f. to c. Φ = 1in., angular to subrounded, dark yellowish brown (10 YR 3/4), fragments of sandstone bedrock, refusal @ 1.0ft. Sample taken 6.8ft. down stream of original point because fallen tree blocked original pt. |
| 1 | | 0.0 | 17/117 | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| | | | |
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By

Sample ID FDG-SC-571-NBZ-SB-0.0-0.5 Date/Time 06/11/2014 14:40

Matrix (circle one): (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

QC Type (circle one): (N) FD FB RB

Parent Sample ID N/A

Field Geologist Whitney Treadway

Sampler Sandy Do

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP (circled) | Poorly graded SAND with Gravel |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present: Yes (No)
2. Percentage Fill (%): _____
3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 3/4

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** Mike Hoffman **PG Registration #** 7735

**Additional Comments** 1 sleeve, sample taken 6.0 ft downstream because fallen tree blocked original point.

| Location ID: DG-572 | Subarea: NBZ | Date Started: 06/17/2014 | Date Completed: 06/17/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 0.5' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | | |
| GPS collected? (Yes) or No | Drill Method: Slide Hammer | | Depth Drilled into Bedrock: NA |
| Radiological Background: 17/81 | Borehole diameter: 1.5 Φ | | |
| PID Background: 0.0 ppm | Depth to GW: NA | | Sampling Method: Slide Hammer/ |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: | | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.0 | 17/78 | FDG2-SL-572-NBZ-SB-0.0-0.5 | 1145 | SW | SAND, w/ silt + gravel, grayish brown (10YR 5/2), poorly-sorted, wood chips, leaves, roots, dry |
| 1 | | | | | | | End of boring @ sample depth 0.5' |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |

CDM Smith

## BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

Page___of ___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By _____

Sample ID FDG2-SL-572-NBZ-SB-0.0-0.5 Date/Time 06172014/1145

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler SANDY DO

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | (SW) | Well graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

### Fill Material

**1. Is Fill Material Present** Yes (No)

**2. Percentage Fill (%)** NA

**3. Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 5/2

### Odor

**1. Odor Strength (circle one)**

(None) Slight Strong

**2. Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

### Moisture Condition (circle one)

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-573 | NBZ | 06/18/2014 | 06/18/2014 |

| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | Total Depth: |
|---|---|---|
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | 0.5' |
| GPS collected? Yes or No | Drill Method: Slide Hammer | Depth Drilled into Bedrock: NA |
| Radiological Background: 17/96 | Borehole diameter: 1.5" ϕ | |
| PID Background: 0.0 ppm | Depth to GW: NA | Sampling Method: Slide Hammer/SS. Sleeve |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: Num #7735 | Geologist: E. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.2 | 19/103 | FD02-SL-573-NBZ-SB-0.0-0.5 | 0940 | SM (SM0314) | SILTY SAND w/ GRAVEL<br>SAND w/ silt (15%) gravel ~15%, med to coarse-grained (salt + pepper texture), tan and grayish-brown (10YR 7/3 to 5/2), poorly-sorted, trace leaf & wood debris, dry (sediment in steep gully) |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |

CDM Smith

## BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By

Sample ID FDG2-SL-573-NBZ-SB-0.0-0.5 Date/Time 06182014 / 0940

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler SANDY DO

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** NA

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** (10YR 7/3 to 5/2)

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: DG-574 | Subarea: NBZ | Date Started: 06/18/2014 | Date Completed: 06/18/2014 |
|---|---|---|---|
| Client: DOE (CDM Smith) | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 0.5' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | | |
| GPS collected? (Yes) or No | Drill Method: Slide Hammer | | Depth Drilled into Bedrock: NA |
| Radiological Background: 16/67 | Borehole diameter: 1.5" ϕ | | |
| PID Background: 0.2 ppm | Depth to GW: NA | | Sampling Method: Slide Hammer/SS Sleeve |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: Nicholas Hagerman #7735 | | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.1 | 17/75 | FDG2-SL-574-NBZ-SB-0.0-0.5' | 0820 | SM | silty SAND, fine grained, reddish-brown (5YR 4/4), trace of sandstone clasts and root (wood debris), dry |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |

CDM Smith

## BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

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# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By _____

Sample ID FDG2-SL-574-NBZ-SB-0.0-0.5 Date/Time 06182014 / 0820

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite [✓] (2) 55 Sleeves

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler SANDY DO

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** NA

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** (Yes) No — minor reddish coast

**Color** 5YR 4/4

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

| Location ID: DG-575 | Subarea: NBZ | Date Started: 06/18/2014 | Date Completed: 06/18/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 0.5' |
| Company Name: CDM SMITH | Drill Contractor/Driller: NA | | |
| GPS collected? Yes or No | Drill Method: Slide Hammer | | Depth Drilled into Bedrock: NA |
| Radiological Background: 17/53 | Borehole diameter: 1.5" Ø | | |
| PID Background: 0.0 ppm | Depth to GW: NA | | Sampling Method: Slide Hammer/S.S. Sleeves |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No: Matt Hoffman #7735 | | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5/0.5 | 0.1 | 18/90 | FD62-SL-575-NBZ-SB-0.0-0.5 | 0755 | SM | Silty SAND, f-m-vf-g., trace of clay (minor Fe stain), dark grayish brown (10YR4/2), abundant root hairs and some weathered sandstone frags, dry. |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |

CDM Smith

## BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| | | | |
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

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# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

Sample ID FDG2-SL-575-NBZ-SB-0.0-0.5 Date/Time 06182014/0755

Matrix (circle one): (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite [✓] (2) 5.5. Sleeves

Collection Method (circle one): DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist FRANK MORRIS

Sampler SANDY DO

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

## Soil Classification (circle one)

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

### Fill Material

1. Is Fill Material Present: Yes (No)

2. Percentage Fill (%): NA

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | (N/A) | |
| Other: _____ | | |

**Is Staining Present** (Yes) No — Very minor Fe in clay clast

**Color** 10YR 4/2

### Odor

1. Odor Strength (circle one): (None) Slight Strong

2. Odor Description (circle one): Organic Petroleum Chemical (N/A) Other: _____

### Moisture Condition (circle one)

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** _____

NA – Not Applicable

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-576 | NBZ | 06/10/2014 | 06/10/2014 |

| | | |
|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | Total Depth: 2.9 |
| Company Name: CDM SMITH | Drill Contractor/Driller: N/A | |
| GPS collected? (Yes) or No | Drill Method: N/A | Depth Drilled into Bedrock: N/A |
| Radiological Background: 15/65 | Borehole diameter: N/A | |
| PID Background: 4.8 | Depth to GW: N/A | Sampling Method: Slide hammer / hand auger |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: Julie Hoffman #7735 | Geologist: W. Treadway |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | SANDY SILT |
| 0 | | 5.6 | 15/77 | FDG2-SL-576-NBZ-SB-0.0-0.5 | 12:35 | ML | ~~SILT with Sand~~ SANDY SILT, 80% silt, 20% v.f. to f.gr. Sand, brown (7.5YR 4/4), trace gravel (Fragments of sandstone bedrock, trace woody material |
| 1 | | 4.2 | 15/133 | | | ML | SILT with SAND, 80% Silt, 30% v.f. to m.gr. sand, trace gravel, ~~f~~ strong brown (7.5YR 4/6) moist |
| 2 | | 5.8 | 16/109 | FDG2-SL-576-NBZ-SB-2.0-3.0 | | SW-SM | well-graded SAND w/ silt and gravel, yellowish brown (10YR 5/6), 75% Sand, v.f. to m.gr., 10% Silt, 15% gravel, angular Φ = 1in. (Sandstone bedrock) |
| 3 | | 4.2 | 16/106 | | | | → at 2.5ft. bgs, same as above except gravel Φ = 3in. Sample taken from 2.0ft to 2.9ft. directly above bedrock Refusal @ 2.9ft. (3 holes hand augered) |
| 4 | | | | | | | |

moist 10/14

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| | | | |
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By _____

Sample ID FDGZ-SL-576-NBZ-SB-0.0-0.5 Date/Time 06/10/2010 12:35

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID N/A

Field Geologist Whitney Treadway

Sampler Sandy Do

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | (ML) | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes (No)

**Color** 7.5YR 4/4

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** Mike Hoffman **PG Registration #** 7735

**Additional Comments** Sleeve.

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

Sample ID FDG2-SL-5716-NBZ-SB20-3.0 Date/Time 06/10/14 1315

Matrix (circle one): (Soil) Sediment Water Plant

Start Depth 2.0

End Depth 3.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment Cutting Shovel

QC Type (circle one): (N) FD FB RB

Parent Sample ID N/A

Field Geologist Whitney Treadway

Sampler Sandy Do

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt and gravel |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 5/6

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** Mark Hoffman WB061014 **PG Registration #** 7735

**Additional Comments** ~~1 sleeve~~, 2 encores. refusal at 2.9 ft.
2 8oz. jars. → sample directly above bedrock,
Encores were taken from sleeve that would not stay in sleeve, so
was partially full. Then the 2 jars were 2 8oz jars were used instead of sleeve
filled.

NA – Not Applicable

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-577 | NBZ | 06/11/2014 | 06/11/2014 |

| | | |
|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | Total Depth: 0.75ft. |
| Company Name: CDM SMITH | Drill Contractor/Driller: N/A | |
| GPS collected? (Yes) or No | Drill Method: N/A | Depth Drilled into Bedrock: N/A |
| Radiological Background: 0.0 | Borehole diameter: N/A | |
| PID Background: 14/88 | Depth to GW: N/A | Sampling Method: N/A |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: [signature] #7755 | Geologist: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | | 0.0 | 14/87 | FDG2-SL-577-NBZ-SB-0.0-0.5 | ~~13:55~~ WT 0400 13:45 | ML | SILT with Sand, 85% silt, 15% sand, v.f. to f. gr., dark yellowish brown (10YR 3/6), tr. gravel Ø = 1in., Sandstone bedrock fragments. Refusal at 9in. on bedrock. (0.75ft) |
| 1 | | | | | | | |

**CDM Smith** BORING LOG AND SAMPLING RECORD Page 1 of 1

ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By

Sample ID FDG2-SL-577-NBZ-SB-0.0-0.5 Date/Time 06/11/2014 13:45

Matrix (circle one): (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

QC Type (circle one): (N) FD FB RB

Parent Sample ID N/A

Field Geologist Whitney Treadway

Sampler Sandy Do

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 3/6

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** Mike Hoffman **PG Registration #** 7735

**Additional Comments** 1 sleeve, refusal at 0.75ft. on bedrock

NA – Not Applicable

| Location ID: DG-578 | Subarea: NBZ | Date Started: 05/22/2014 | Date Completed: 05/22/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 2.5' |
| Company Name: CDM SMITH | | Drill Contractor/Driller: Strongarm | |
| GPS collected? (Yes) or No | | Drill Method: DPT - Macrocore | Depth Drilled into Bedrock: 1.5' |
| Radiological Background: 11/53 | | Borehole diameter: 2.25" Φ | |
| PID Background: 0.0 ppm | | Depth to GW: NA | Sampling Method: DPT - Macrocore |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | | PG Review & No.: Mike Hoffman #7735 | Geologist: E. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 4.0/2.5 | 0.0 | 13/75 | FDG2-SL 578-NBZ SB-0.0-0.5 | 1126 | SP | SAND, w/ silt and trace gravel/rock frag, lt. brownish yellow (10YR 6/4) in Weathered rock zone weathered Sandstone w/ resistant siltstone @ 0.8 to 1.5' and 2.1' to 2.5', frag. up to 1" ± size, dry |
| 1 | | 0.1 | 10/70 | | | | |
| 2 | | 0.1 | 10/62 | | | | |
| 3 | | 0.3 | 10/77 | | | | Refusal @ 2.5' |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Roberts

Sample ID FDG2-SL-578-NBZ-(SB)0.0-0.5 Date/Time 05222014/1126

Matrix (circle one): (Soil) Sediment Water

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM (smear) | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present Yes (No)

2. Percentage Fill (%) NA

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | (N/A) | |
| Other | | |

**Is Staining Present** Yes (No)

**Color** 10YR 6/4

**Odor**

1. Odor Strength (circle one)

None Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** [signature] **PG Registration #** 7735

**Additional Comments**

NA – Not Applicable

| Location ID: DG-581 | Subarea: NBZ | Date Started: 05/22/2014 | Date Completed: 05/22/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 14' |
| Company Name: CDM SMITH | Drill Contractor/Driller: Strongarm | | |
| GPS collected? (Yes) or No | Drill Method: DPT-Macrocore | | Depth Drilled into Bedrock: ~6.0' |
| Radiological Background: 13/53 | Borehole diameter: 2.25" Φ | | |
| PID Background: 0.1 ppm | Depth to GW: NA | | Sampling Method: DPT-Macrocore |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: Mike Hoffman #7735 | | Geologist: F. Morris |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | 0.5 / 0.5 | 0.0 | 15/90 | FDG2-SL 581-NBZ SB-0.0-0.5 | 1310 | GW | poorly-sorted GRAVEL (FILL), w/ sand, little silt, rock fragments (siltstone), trace of clay, brn. gray (10YR 6/2), trace of root hairs, |
| 1 | 3.5 / 3.2 | 0.0 | 10/66 | | | | |
| 2 | | 0.0 | 10/85 | | | | |
| 3 | | 0.0 | 10/75 | | | SC | SAND w/ clay, some silt, dk. gray brown (10YR 4/2), grading to coarser gravelly clay, (FILL) |
| 4 | 4.0 / 4.0 | 0.0 | 10/65 | FDG2-SL 581-NBZ SB-4.0-5.0 | 1320 | | |
| 5 | | 0.1 | 12/66 | | | GC | clayey GRAVEL, yellowish brn. (10YR 5/6), sub-angular to well-rounded gravels, large siltstone rock debris @ various depths (trace of rooting in fracture zones), dry |
| 6 | | 0.1 | 12/49 | | | | |
| 7 | | 0.0 | 12/55 | | | | |
| 8 | 4.0 / 4.0 | 0.0 | 12/83 | | | SP | weathered bedrock (siltstone-fractured rock), blue/black stain on fractures (iridescent) some sandstone rich zones thinly bedded @ 7.9' bgs. |
| 9 | | 0.1 | 12/67 | FDG2-SL 581-NBZ SB-9.0-10.0 | 1330 | | |
| 10 | | 0.2 | 12/58 | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter |

| Location ID: DG-581 | Subarea: NBZ | Date Started: 05/22/2014 | Date Completed: 05/22/2014 |
|---|---|---|---|
| Project: SSFL | | Geologist: F. Morris | Total Depth: 14' |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 10 | 4.0/4.0 | 0.2 | 12/58 | | | | (Same as above) Siltstone Bedrock - highly fractured |
| 11 | | 0.2 | 12/68 | | | | |
| 12 | 4.0/2.0' | 0.2 | 12/74 | | | | |
| 13 | | 0.3 | 12/71 | FDG2-SL 581-NBZ SB-13.0-14.0 | 1341 | | |
| 14 | | 0.3 | 12/58 | | | | Refusal @ 14' bgs |

CDM Smith

BORING LOG AND SAMPLING RECORD

Page___of___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Brendan Rennie

Sample ID FDG2-SL-581-NBZ-SB-0.0-0.5 Date/Time 05222014 / 1310

Matrix (circle one): (Soil) Sediment Water

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100

3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | | N/A |
| Other Rock Frag / Gravel | | |

**Is Staining Present** Yes (No)

**Color** 10YR 6/2

**Odor**

1. Odor Strength (circle one)
   (None) Slight Strong

2. Odor Description (circle one)
   Organic Petroleum Chemical
   (N/A) Other _____

**Moisture Condition (circle one)**
(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Roberts

Sample ID FDG2-SL-581-NBZ-SB-4.0-5.0 Date/Time 05222014/1320

Matrix (circle one): (Soil) Sediment Water

Start Depth 4.0

End Depth 5.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other Gravel Fill

**Is Staining Present** Yes (No)

**Color** 10YR 4/2

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Roberts

Sample ID FDG2-SL-581-NBZ-5B-9.0-10.0 Date/Time 05222014 / 1330

Matrix (circle one): (Soil) Sediment Water

Start Depth 9.0-

End Depth 10.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP (circled) | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

Note: Weathered Bedrock siltstone+sand thin-bedded

**Fill Material**

1. Is Fill Material Present: Yes (No)
2. Percentage Fill (%): NA
3. Fill Description (circle all that apply)

| | | |
|---|---|---|
| Asphalt | Metal | Plastic |
| Concrete | Wood | Glass |
| Igneous/Metamorphic Gravel | (N/A) | |
| Other: _____ | | |

**Is Staining Present:** (Yes) No — blue/black in fractures

**Color:** NA (rocks)

**Odor**

1. Odor Strength (circle one): (None) Slight Strong
2. Odor Description (circle one): Organic Petroleum Chemical (N/A) Other: _____

**Moisture Condition (circle one):** (Dry) Moist Wet

**PG Signature:** _____ **PG Registration #:** _____

**Additional Comments:** _____

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Roberts

Sample ID FDG2-SL-581-NBZ-SB-13.0-14.0 Date/Time 05222014/1341

Matrix (circle one): (Soil) Sediment Water

Start Depth 13.0

End Depth 14.0

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): (DPT) Slide Hammer Hand Auger/Slide Hammer Trenching Sediment

QC Type (circle one): (N) FD FB RB

Parent Sample ID NA

Field Geologist Frank Morris

Sampler Randy Roberts

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | X |
| | | EPA 6020 | X |
| | | EPA 7471 (Soil) | X |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | X |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | X |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)** NA

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

Siltstone Bedrock

**Fill Material**

1. Is Fill Material Present Yes (No)
2. Percentage Fill (%) NA
3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** NA (rock)

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** _____

**Additional Comments** Refusal @ 14' bgs.

NA – Not Applicable

| Location ID: DG-582 | Subarea: NBZ | Date Started: 06/13/2014 | Date Completed: 06/13/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: ~~3.4~~ w/ DUP 3.5 |
| Company Name: CDM SMITH | Drill Contractor/Driller: N/A | | |
| GPS collected? Yes or No | Drill Method: N/A | | Depth Drilled into Bedrock: |
| Radiological Background: 14/52 | Borehole diameter: N/A | | |
| PID Background: 0.0 | Depth to GW: N/A | | Sampling Method: slide hammer / hand auger |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No: [signature] #7735 | | Geologist: W. Treadway |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | | 0.2 | 15/93 | FDG2-SL-582-NBZ-SB-0.0-0.5 w/ DUP | 07:50 | ML | SILT, dark yellowish brown (10YR 3/6), trace clay, trace m.gr. sand, very loose, dry, hard clumps |
| 1 | | 0.0 | 16/130 | | | | |
| 2 | | | /103 | | | | same as above except dark yellowish brown (10YR 4/6) |
| 3 | | 0.0 | 15/111 | FDG2-SL-582-NBZ-SB-3.0-3.5 | 08:05 | | same as above, trace roots |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By

Sample ID FDG2-SL-582-NBZ-SB-0.0-0.5 Date/Time 06/18/2014 07:50

Matrix (circle one): (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

Depth Units (circle one): Inches (Feet)

Check if Composite ☐

Collection Method (circle one): DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

QC Type (circle one): (N) FD FB RB

Parent Sample ID N/A

Field Geologist Whitney Treadway

Sampler Sandy Do

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH ≤ 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH ≤ 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | (ML) | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | CH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** 10 YR 3/6

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** 1 sleeve

NA – Not Applicable

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By

Sample ID FDG2-SL-592-NBZ-SB-3.0-3.5
~~FDG2S~~
WT 061314

Date/Time 06/13/2014 08:05

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 3.0

End Depth 3.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT Slide Hammer (Hand Auger/Slide Hammer) Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID N/A

Field Geologist Whitney Treadway

Sampler Sandy Do

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | X |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 4/6

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** 1 sleeve, 2 encores

NA – Not Applicable

| Location ID: DG-583 | Subarea: NBZ | Date Started: 06/12/2014 | Date Completed: 06/12/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 0.5 |
| Company Name: CDM SMITH | Drill Contractor/Driller: N/A | | |
| GPS collected? Yes or (No) | Drill Method: N/A | | Depth Drilled into Bedrock: N/A |
| Radiological Background: 19/87 | Borehole diameter: N/A | | |
| PID Background: 0.0 | Depth to GW: N/A | | Sampling Method: Slide hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No: [signature] #785 | | Geologist: W. Treadway |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | | 0.0 | 18/105 | FDG2-SL-583-NB2-SB-0.0-0.5 | 13:25 | SP ↓ | poorly graded SAND, v.f. to f. gr., tr. m. gr. and c. gr., dark yellowish brown (10YR 3/6), dry, loose, tr. roots |
| 1 | | | | | | | |

**CDM Smith** BORING LOG AND SAMPLING RECORD Page 1 of 1

ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

Sample ID FDG2-SL-5B3-NBZ-SB-0.0-0.5 (5m01a14) Date/Time 06/12/2014 13:25

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID N/A

Field Geologist Whitney Treadway

Sampler Sandy Do

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH ≤ 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH ≤ 5% FINES | | SW | Well-graded SAND |
| | | | | SP (circled) | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 3/6

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** Mike Hoffman **PG Registration #** 7735

**Additional Comments** 1 Sleeve

NA – Not Applicable

| Location ID: DG-584 | Subarea: NBZ | Date Started: 06/13/2014 | Date Completed: 06/13/2014 |
|---|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | | Total Depth: 0.5 |
| Company Name: CDM SMITH | Drill Contractor/Driller: N/A | | |
| GPS collected? (Yes) or No | Drill Method: N/A | | Depth Drilled into Bedrock: N/A |
| Radiological Background: 14/53 | Borehole diameter: N/A | | |
| PID Background: 0.0 | Depth to GW: N/A | | Sampling Method: Slide Hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: [signature] #7735 | | Geologist: W. Treadway |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | | 0.0 | 14/95 | FDG2-SL-584-NBZ-SB-0.0-0.5 | 09:50 | SW | well graded SAND with gravel, yellowish brown (10YR 5/4), 70% sand, v.f. to c.gr., subrounded to angular, 30% gravel, f. to c., subrounded to angular, loose, dry, large cobbles in dry creek bed, Φ = 2ft., subrounded to rounded |
| 1 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| | | | |
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

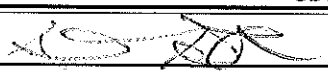
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BORING LOG AND SAMPLING RECORD

Page___of___

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By 

Sample ID FDG2-SL-584-NB2-SB-0.0-0.5 Date/Time 06/13/2014 09:50

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID N/A

Field Geologist Whitney Treadway

Sampler Sandy Do

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | (SW) | Well-graded SAND with gravel |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel (N/A)

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 5/4

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** 1 sieve

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-585 | NBZ | 06/12/2014 | 06/13/2014 |

| | | |
|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | Total Depth: 0.5 |
| Company Name: CDM SMITH | Drill Contractor/Driller: N/A | |
| GPS collected? (Yes) or No | Drill Method: N/A | Depth Drilled into Bedrock: N/A |
| Radiological Background: 14/160 | Borehole diameter: N/A | |
| PID Background: 0.0 | Depth to GW: N/A | Sampling Method: Slide hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: | Geologist: W. Treadway |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | | 0.0 | 16/103 | FDG2-SL-585-NBZ-SB-0.0-0.5 | 09:25 | SM ↓ | silty SAND, dark yellowish brown (10YR 4/4), 60% p.g. sand, v.f. to f. gr., tr. m. and c. gr., 40% silt, loose, dry, stiff clumps, tr. woody material |
| 1 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | Φ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By

Sample ID FDG2-SL-585-MBZ-SB-0.0-0.5 Date/Time 6/18/2014 09:25

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID N/A

Field Geologist Whitney Treadway

Sampler Sandy Do

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
| | | GRAVEL WITH BETWEEN 5% AND 15% FINES | | GW-GM | Well-graded GRAVEL with silt |
| | | | | GW-GC | Well-graded GRAVEL with clay |
| | | | | GP-GM | Poorly graded GRAVEL with silt |
| | | | | GP-GC | Poorly graded GRAVEL with clay |
| | | GRAVEL WITH ≥ 15% FINES | | GM | Silty GRAVEL |
| | | | | GC | Clayey GRAVEL |
| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
| | | SAND WITH BETWEEN 5% AND 15% FINES | | SW-SM | Well-graded SAND with silt |
| | | | | SW-SC | Well-graded SAND with clay |
| | | | | SP-SM | Poorly graded SAND with silt |
| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | (SM) | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | ML | Inorganic SILT with low plasticity |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. **Is Fill Material Present** Yes (No)

2. **Percentage Fill (%)** _____

3. **Fill Description (circle all that apply)**

Asphalt Metal Plastic

Concrete Wood Glass

Igneous/Metamorphic Gravel N/A

Other _____

**Is Staining Present** Yes (No)

**Color** 10YR 4/4

**Odor**

1. **Odor Strength (circle one)**

(None) Slight Strong

2. **Odor Description (circle one)**

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** 1 sleeve

NA – Not Applicable

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| DG-586 | NBZ | 06/13/2014 | 06/13/2014 |

| | | |
|---|---|---|
| Client: DOE | Project Name/#: Santa Susana Field Laboratory/94489 | Total Depth: 0.5 |
| Company Name: CDM SMITH | Drill Contractor/Driller: N/A | |
| GPS collected? (Yes) or No | Drill Method: N/A | Depth Drilled into Bedrock: N/A |
| Radiological Background: 13/62 | Borehole diameter: N/A | |
| PID Background: 0.0 | Depth to GW: N/A | Sampling Method: Slide hammer |
| Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake | PG Review & No.: | Geologist: W. Treadway |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| 0 | | 0.0 | 14/77 | FDG2-SL-586-NBZ-SB-0.0-0.5 | 09:00 | ML | sandy SILT, dark brown (7.5YR 3/3), 60% silt, 40% sand, f. to m-gr., angular, tr. f. gravel, pieces of reddish + greenish rock fragments and/or brick, loose, dry |
| 1 | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD



ABBREVIATIONS:

| | | | |
|---|---|---|---|
| amt: amount | gr: grained | pg: poorly graded | t: trace |
| c: coarse | lt: light | rnd: rounded | v: very |
| dk: dark | m: medium | sa: subangular | wg: well graded |
| f: fine | mod: moderate | sr: subrounded | ϕ: diameter |

| Location ID: | Subarea: | Date Started: | Date Completed: |
|---|---|---|---|
| Project: SSFL | | Geologist: | Total Depth: |

| Depth (feet) bgs | Recovery (feet) | PID (ppm) | Radiological (µR/cpm) | Sample Name | Sample Time | USCS | Description of Materials |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

CDM Smith

BORING LOG AND SAMPLING RECORD

# SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By

Sample ID FDG2-SL-586-NB2-SB-0.0-0.5 Date/Time 06/13/2014 09:00

**Matrix (circle one)**: (Soil) Sediment Water Plant

Start Depth 0.0

End Depth 0.5

**Depth Units (circle one)**: Inches (Feet)

Check if Composite ☐

**Collection Method (circle one)**: DPT (Slide Hammer) Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

**QC Type (circle one)**: (N) FD FB RB

Parent Sample ID N/A

Field Geologist Whitney Treadway

Sampler Sandy DO

## Analysis

| | Parameters | Method | Analyze? |
|---|---|---|---|
| | Metals | EPA 6010 | |
| | | EPA 6020 | |
| | | EPA 7471 (Soil) | |
| | | EPA 7470 (Water) | |
| | Fluoride | EPA 300.0/9056 | |
| | SVOCs | EPA 8270 | |
| | TIC | EPA 8270 | |
| | PAHs | EPA 8270 SIM | |
| | 1,4 Dioxane | EPA 8270 SIM | |
| | Dioxins | EPA 1613 | |
| | PCBs/PCTs | EPA 8082 | X |
| | Perchlorate | EPA 314.0/331 | |
| | Perchlorate Confirmation | EPA 6850/6860 | |
| | pH | EPA 9045 (Soil) | |
| | | EPA 9040 (Water) | |
| | Hexavalent Chromium | EPA 7196/7199 | |
| | Herbicides | EPA 8151 | |
| | Pesticides | EPA 8081 | |

| | Parameters | Method | Analyze? |
|---|---|---|---|
| Encores | VOCs | EPA 8260 | |
| | 1,4 Dioxane | EPA 8260 SIM | |
| | TPH-GRO | EPA 8015 | |
| | TPH-EFH | EPA 8015 | X |
| | Glycols | EPA 8015 | |
| | Alcohols | EPA 8015 | |
| | Terphenyls | EPA 8015 | |
| | Nitrates | EPA 300.0/9056 | |
| | Energetics | EPA 8330 | |
| | Cyanide | EPA 9012 | |
| | Formaldehyde | EPA 8315 | |
| | NDMA | EPA 1625 | |
| Sediment | Organotin | NOAA Status and Trends, Krone et al. | |
| | Methyl Mercury | EPA 1630 | |
| | Mercury Speciation | EPA 3200 | |
| | Total Nitrogen | ASTM D5373 | |
| | TOC | ASTM D5310 | |
| | Grain Size | ASTM 2488-09a | |

NA – Not Applicable

# SSFL Phase 3 – Field Data Sample Sheet (Sample Descriptions)

**Soil Classification (circle one)**

| MAJOR DIVISION | | | GROUP SYMBOL | LETTER SYMBOL | GROUP NAME |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS CONTAINS MORE THAN 50% FINES | GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE | GRAVEL WITH < 5% FINES | | GW | Well-graded GRAVEL |
| | | | | GP | Poorly graded GRAVEL |
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| | | | | GW-GC | Well-graded GRAVEL with clay |
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| | SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE | SAND WITH < 5% FINES | | SW | Well-graded SAND |
| | | | | SP | Poorly graded SAND |
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| | | | | SP-SC | Poorly graded SAND with clay |
| | | SAND WITH ≥ 15% FINES | | SM | Silty SAND |
| | | | | SC | Clayey SAND |
| FINE GRAINED SOILS CONTAINS MORE THAN 50% FINES | SILT AND CLAY | LIQUID LIMIT LESS THAN 50 | | (ML) | Inorganic SILT with low plasticity — sandy SILT |
| | | | | CL | Lean inorganic CLAY with low plasticity |
| | | | | OL | Organic SILT with low plasticity |
| | | LIQUID LIMIT GREATER THAN 50 | | MH | Elastic inorganic SILT with moderate to high plasticity |
| | | | | CH | Fat inorganic CLAY with moderate to high plasticity |
| | | | | OH | Organic SILT or CLAY with moderate to high plasticity |
| HIGHLY ORGANIC SOILS | | | | PT | PEAT soils with high organic contents |

**Fill Material**

1. Is Fill Material Present (Yes) No

2. Percentage Fill (%) 100%

3. Fill Description (circle all that apply)

Asphalt Metal Plastic

Concrete Wood Glass

(Igneous/Metamorphic Gravel) N/A

(Other) pieces of red + green colored material

**Is Staining Present** Yes (No)

**Color** 7.5YR 3/3

**Odor**

1. Odor Strength (circle one)

(None) Slight Strong

2. Odor Description (circle one)

Organic Petroleum Chemical

(N/A) Other _____

**Moisture Condition (circle one)**

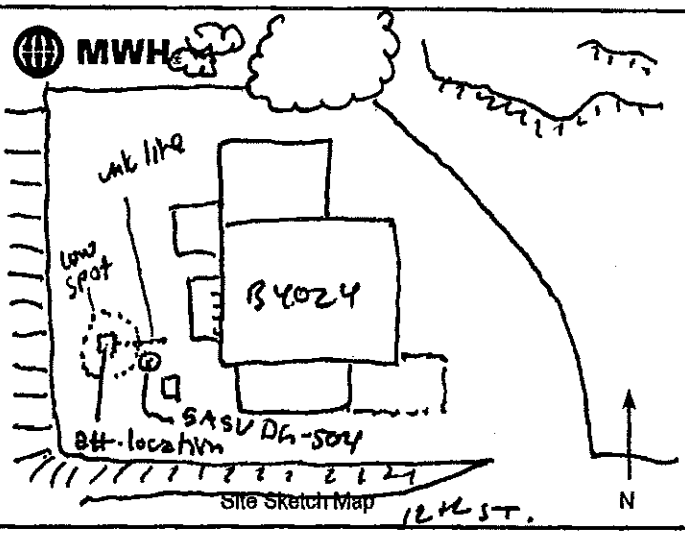
(Dry) Moist Wet

**PG Signature** _____ **PG Registration #** 7735

**Additional Comments** 1 sleeve

NA – Not Applicable

MWH



Site Sketch Map

Boring ID: SASV DG-504 Sheet 1 of 2

Project: Phase 3 DOE SVDG 2014

Job #: 10503892.305106 Site: SA B4024 (W)

Logged By: RWBEELS Reviewed By:

Drilling Contractor: EST Drillers Name: MIKEY HELMHELEN

Drill Rig Type/Method: Geoprobe 5400

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 30.0

Drill Bit Type: Macrocore

Drill Start Time/Date: 08:43 05 JUN 14 Drill Finish Time/Date: 09:50 05 JUN 14

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor ID: SASV DG-504

Soil Vapor Well Completion Time/Date: 05 JUN 14, 11:06

Observations: ☐ Debris ☐ Staining ☐ Odors ☒ ~~Groundwater~~ perched water ☐ None

Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 10.0-11.0, 15.0-16.0, 20.0-21.0

Surface Completion: SV probe

Soil Vapor Well Detail Completed (yes/no) attached 25.0-26.0

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description / Surface Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 ppm | | 45" | | | | 0 | | 4" asphalt 0.0-0.35' | | | | | |
| | | | | | | 1 | | 0.35-17.3 | | | | | |
| | | | | | | | | poorly sorted sand with silt (SP-SM), dark yellowish brown (10YR 4/6), moist, loose, predominantly fine sand (55), little silt (20), little med sand (15), few coarse (10) w/ trace gravels. Coarse fraction consists mostly of sand stone grains w/ oxidation rinds. Several sandstone clasts up to 2" throughout, angular to sub angular and weathered. Occasional small (~1") lens of SM (silty sand). No stain or odor. Fill material. | TR | 10 | 15 | 55 | 20 |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | SP SM | | | | | | |
| | | | | | | 4 | | | | | | | |
| 0.0 ppm | | 46" | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| 0.0 ppm | | 46" | | | | 9 | | | | | | | |

Boring ID: SASV DH-504 Project: Phase 3 DOE SVDH 2014 Sheet 2 of 2

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 10 | | 17.3 - ~~30~~ 24.5 | | | | | |
| | | | | | | 11 | | Silty sand (SM), Brown (10YR 4/3) | - | - | TR | 65 | 35 |
| | | | | | | | | Mostly fine sand (65), some | | | | | |
| | | | | | | 12 | | silt (35), moist, loose, | | | | | |
| 0.0 ppm | | 42" | | | | | SP-SM | mottled throughout but sporadic | | | | | |
| | | | | | | 13 | | oxidation around small coarse | | | | | |
| | | | | | | | | sand-gravel sized sandstone | | | | | |
| | | | | | | 14 | | fragments. Occasional larger | | | | | |
| | | | | | | | | clast up to 1.5" of sandstone. | | | | | |
| | | | | | | 15 | | No stain, no odor. Fill material | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | 16 | | 24.5 - 30.0 | | | 15 | | |
| 0.0 ppm | | 48" | | | | | | Poorly sorted sand w/ silt (SP-SM) - | TR | TR | 60 | 25 | |
| | | | | | | 17 | | Dark yellowish brown (10YR 4/6). | | | | | |
| | | | | | | | | Mostly fine sand (60), little | | | | | |
| | | | | | | 18 | | silt (25), and little medium (15) | | | | | |
| | | | | | | | | trace coarse grains. No fill material | | | | | |
| | | | | | | 19 | | stain, no odor. Possible bedrock | | | | | |
| | | | | | | | | contact. Wood fragments @ 28.8' bgs, | | | | | |
| | | | | | | 20 | | water-logged. 27.8' | | | | | |
| 0.0 ppm | | 42" | | | | | | Interval is moist until | | | | | |
| | | | | | | 21 | | 28.0' where it becomes | | | | | |
| | | | | | | | | saturated/wet. Possible | | | | | |
| | | | | | | 22 | SM | perched water from former | | | | | |
| | | | | | | | | basement feature ref. B4024. | | | | | |
| | | | | | | 23 | | | | | | | |
| | | | | | | | | TD = 30.0' bgs with refusal on | | | | | |
| | | | | | | 24 | | sandstone; dark bluish gray | | | | | |
| 0.0 ppm | | 27" | | | | | | (GLEY2 4/5B). | | | | | |
| | | | | | | 25 | | | | | | | |
| | | | | | | | | * Boring cored in to 27.1' bgs. | | | | | |
| | | | | | | 26 | | + 6" of water. First probe set | | | | | |
| | | | | | | | SP-SM | to 25.5' center after #8 chips | | | | | |
| | | | | | | 27 | | to 26.0' bgs. | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | 28 | | * Borehole moved to alternate, nearby | | | | | |
| 0.0 ppm | | 24" | | | | | | area of pathway/asphalt to target | | | | | |
| | | | | | | 29 | | low spot and geoprobe encountered | | | | | |
| | | | | | | | | no obstructions. Cut/patched asphalt | | | | | |

TD = 30

QA/QC
Surficial media boring log rev 2-25-2014

MWH

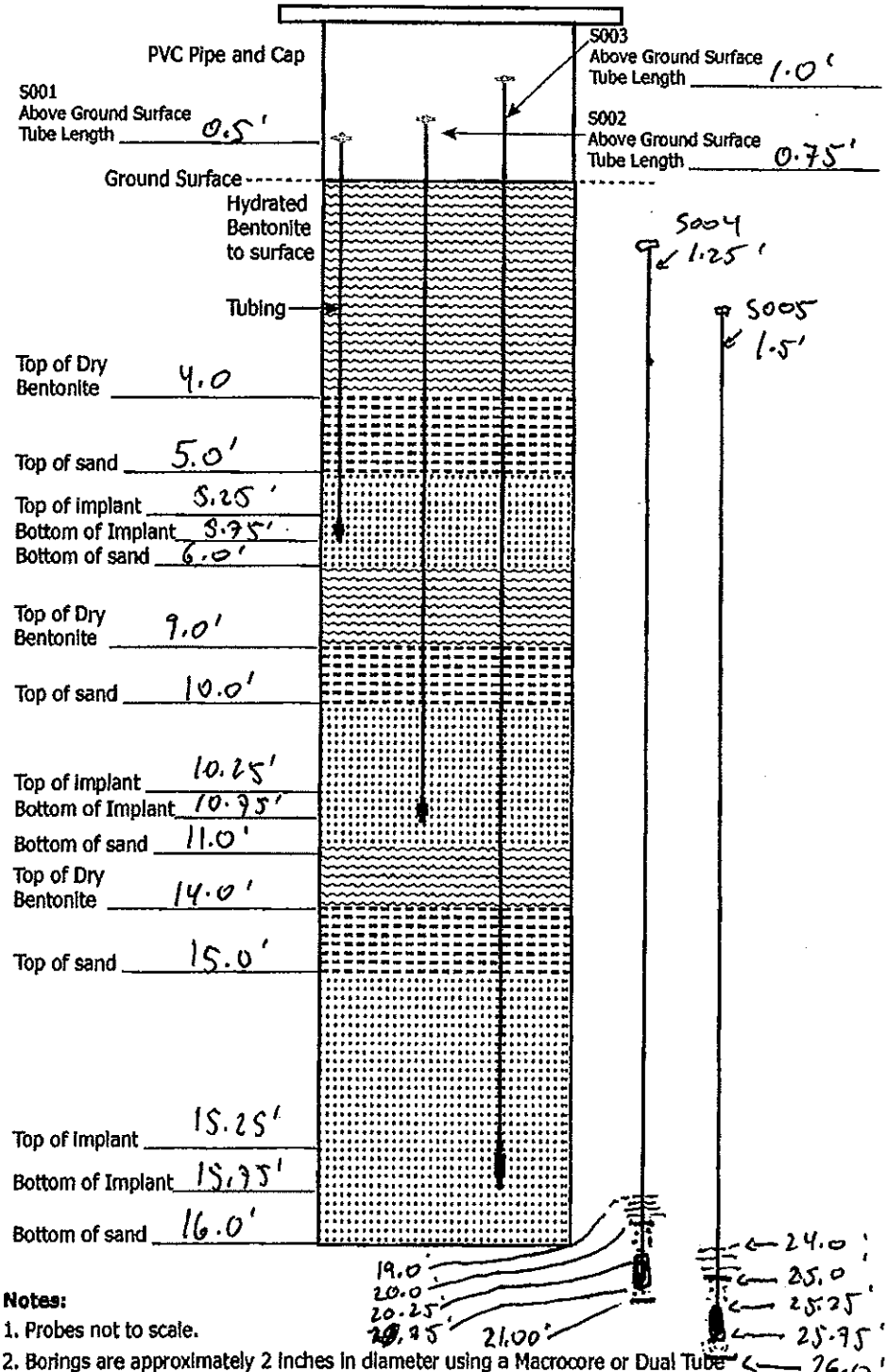
# Multiple Soil Vapor Probe Construction Diagram



Probe ID/Soil ID: SA-SV-DG-504
Site: SA
Drilling Contractor: EST
Borehole TD: 30.0' bgs

Project: Phase 3 DOE Data Gap Sampling 2014
Logged by: RUB ELLIS
Driller: MATT MCMULLEN
Borehole Diameter: 2.25"

Job #: 10503982.3050105/10503982.3060105
Reviewed by:
Rig Type/Method: Geoprobe 5400
Probe Completion Date/Time: 05 JUN 14 11:30




**Vapor Implant Specs**
Material: stainless steel
Length: 6"
Diameter: 3/8"

**Tubing Specs**
Material: teflon
Diameter: 1/4"
Color: clear

**Sand Pack Specs**
Grain Size: #3 sand
Manufacturer: Cemex

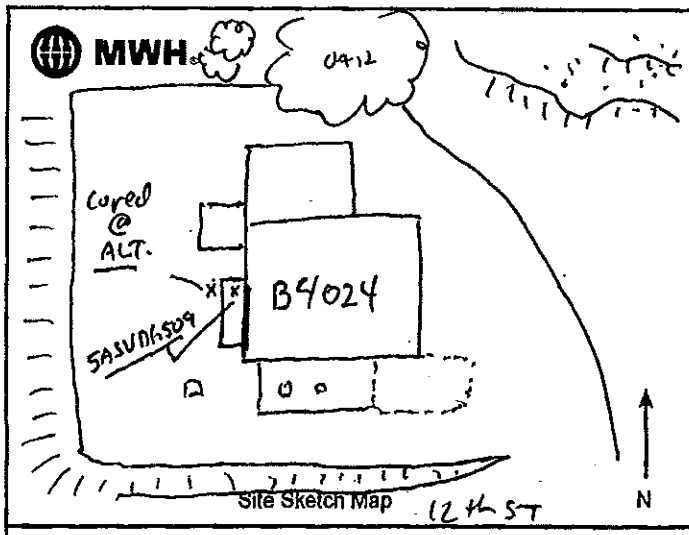
**Dry Bentonite**
Type: #8 crumbles
Manufacturer: Cetco

**Hydrated Bentonite**
Type: #8 crumbles
Manufacturer: Cetco

**Notes:**
1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

MWH




Boring ID: SASV DG-509 Sheet 1 of 2

Project: Phase 3 DOE SVDG 2014

Job #: 10103892.3050.106 Site: SA B4024 (W)

Logged By: RMS Ellis Reviewed By:

Drilling Contractor: EST Drillers Name: MARTY HUMMEL

Drill Rig Type/Method: Geoprobe 5400

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft bgs): 32.0'

Drill Bit Type: Macrocore

Drill Start Time/Date: 11:50 05JUN14 Drill Finish Time/Date: 12:50 05JUN14

Soil Vapor ID: SASV DG-509

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 05 JUN14 ; 13:50

Observations: ☐ Debris ☒ Staining (oxide) ☐ Odors ☐ Groundwater (perched water) ☐ None

Soil Vapor Probe Depths (ft.bgs): 5-6, 10-11, 15-16, 20-21, 25-26

Surface Completion: SV probe in asphalt

Soil Vapor Well Detail Completed (yes/no) attached

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations | | | | | |
| | | | | | | | | Surface Description: Concrete/asphalt interface @ base of ramp | | | | | |
| 0.3 ppm | | 40" | | | | 0 | | 4" asphalt 0.0-0.35' | | | | | |
| | | | | | | 1 | | 0.35'-26.8 Poorly sorted sand with silt (SP-SM), dark yellowish brown (10YR 4/6), moist, loose, mostly fine sand (60), little silt (25), few medium (10) and coarse (5) sand. Some asphalt gravels at the top few inches, and a small 1.5" layer of pea gravel @ 2.5' bgs | — | 5 | 10 | 60 | 25 |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| 0.0 ppm | | 29" | | | | 5 | SP SM | | | | | | |
| | | | | | | 6 | | Rest of coarse fraction is sandstone clasts ½" to 1", sporadic, semi uniform through section, oxide coats and pockets to clasts. No stain, no odor fill material. | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| 0.0 ppm | | 30" | | | | 9 | | Rusted nail @ 23.0' bgs w/ staining (rust) around it. Base gravel up to 1.0" at fill / native contact | | | | | |

Boring ID: SASV DH-509 Project: Phase 3 DOE SVDH 2014 Sheet 2 of 2

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 10 | | 26.8 - 32.0 ft bgs | | | | | |
| | | | | | | 11 | SP | Poorly sorted sand (SP) with silt (ML) - dark yellowish brown (10YR 4/6), mostly fine sand (75), little silt (15) | | - | 10 | 75 | 15 |
| 0.5 ppm | | 41" | | | | 12 | | and few coarse sand (10). No stain, no odor. Possible native soil. | | | | | |
| | | | | | | 13 | | | | | | | |
| | | | | | | 14 | | Interval is moist, loose, but becomes saturated at 27.5' bgs., Possible perched water from former basement footing of B4024. | | | | | |
| 0.0 ppm | | 38" | | | | 15 | | | | | | | |
| | | | | | | 16 | | | | | | | |
| | | | | | | 17 | SP | TD = 32.0' with refusal on hard sandstone. Sandstone is dark bluish gray (5BG 4/1) | | | | | |
| | | | | | | 18 | SM | | | | | | |
| | | | | | | 19 | | • Borehole cored to 31.0', water in hole to 27' bgs. First | | | | | |
| 0.0 ppm | | 29" | | | | 20 | | piezometer set to 25.5' center of screen #8 chips backfilled to 26.0' bgs. Dry after 20 minutes. | | | | | |
| | | | | | | 21 | | | | | | | |
| | | | | | | 22 | | • Bore hole moved ~6.0' to the W to avoid concrete ramp. Borehole is in asphalt at interface of concrete and asphalt. | | | | | |
| | | | | | | 23 | | | | | | | |
| 0.3 ppm | | 27" | | | | 24 | | | | | | | |
| | | | | | | 25 | | | | | | | |
| | | | | | | 26 | | | | | | | |
| | | | | | | 26.8 | | | | | | | |
| | | | | | | 27 | | | | | | | |
| | | | | | | 28 | | | | | | | |
| 0.1 ppm | | 39" | | | | 29 | SP | | | | | | |
| | | | | | | 30 | | | | | | | |
| | | | | | | 31.0 | | TD | | | | | |

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

MWH

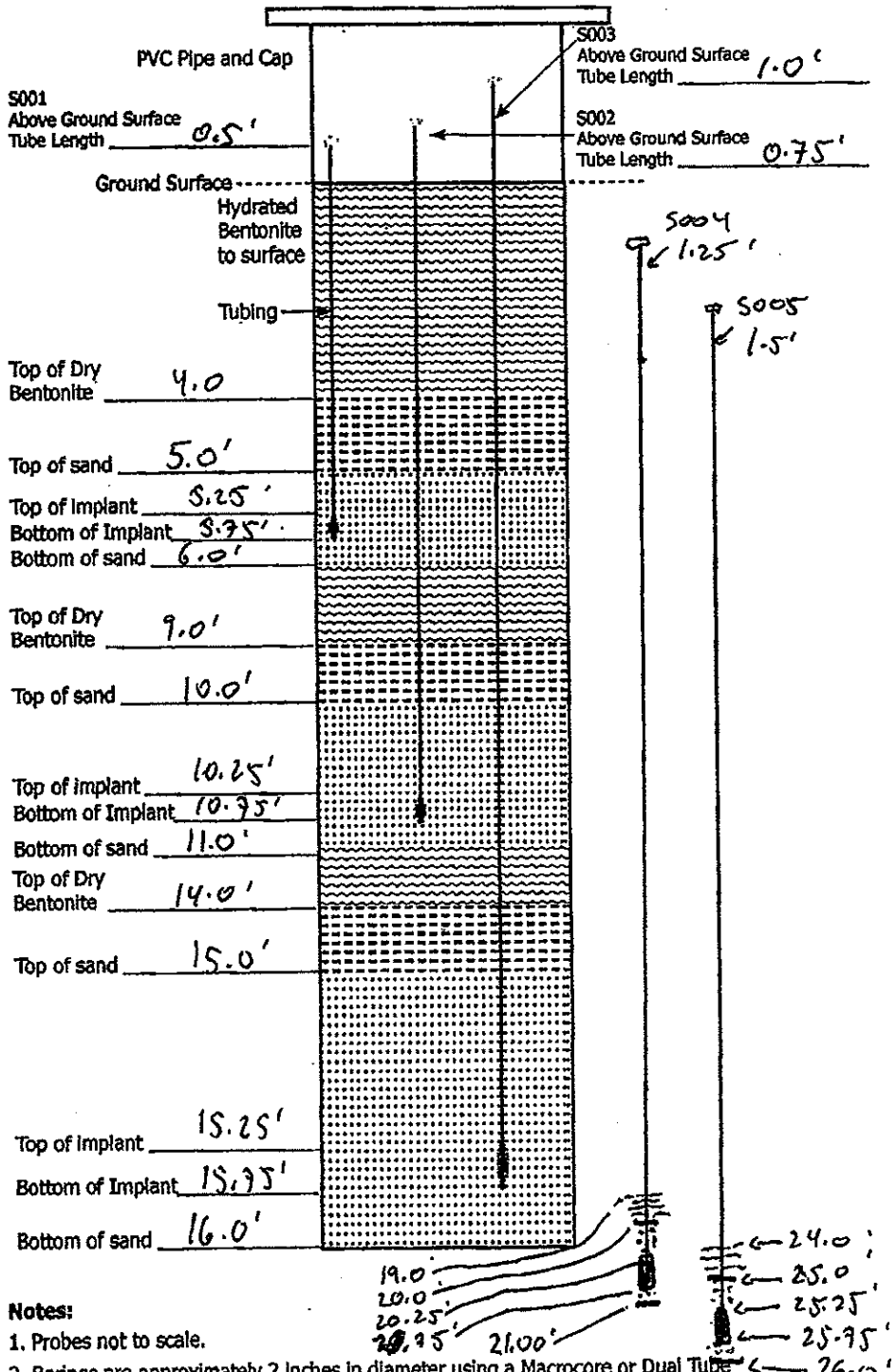
# Multiple Soil Vapor Probe Construction Diagram



Probe ID/Soil ID: SASV 06-S09
Site: SA
Drilling Contractor: EST
Borehole TD: 32.0' bgs

Project: Phase 3 DOE Data Gap Sampling 2014
Logged by: RBELLIS
Driller: MARTY KILHULLEN
Borehole Diameter: 2.25"

Job #: 10503982.3050105/10503982.3060105
Reviewed by: _____
Rig Type/Method: Geoprobe 54
Probe Completion Date/Time: 05JUN 15:00




**Vapor Implant Specs**
Material: stainless steel
Length: 6"
Diameter: 3/8"

**Tubing Specs**
Material: teflon
Diameter: 1/4"
Color: clear

**Sand Pack Specs**
Grain Size: #3 sand
Manufacturer: Cemex

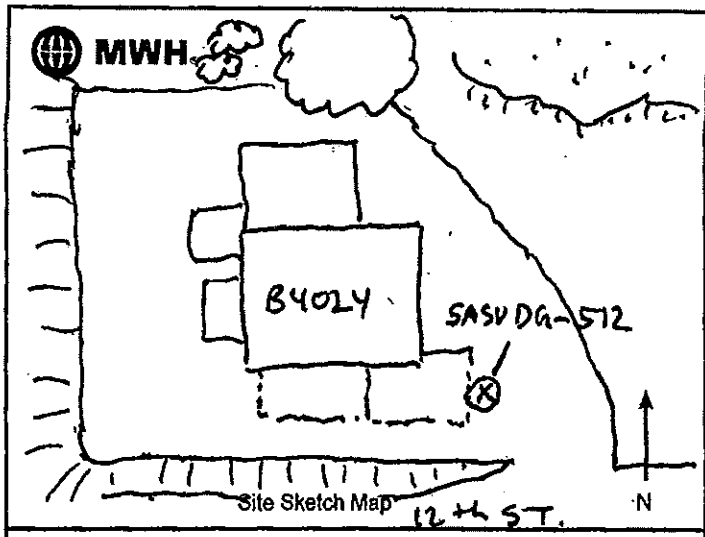
**Dry Bentonite**
Type: #8 crumbles
Manufacturer: Cetco

**Hydrated Bentonite**
Type: #8 crumbles
Manufacturer: Cetco

**Notes:**
1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

MWH




Boring ID: SASV DA-S12 Sheet 1 of 1

Project: Phase 3 DOE SVDA 2014

Job #: 10503982.3050106 Site: SA B4024

Logged By: RM Sluss Reviewed By:

Drilling Contractor: EST Drillers Name: MONTY KILMULLEN

Drill Rig Type/Method: Geoprobe 5400

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft bgs): 6.5'

Drill Bit Type: Macrocore

Drill Start Time/Date: 07:41 05 JUN 14 Drill Finish Time/Date: 07:48 05 JUN 14

Soil Vapor ID: SASV DA-S12

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 05 JUN 14, 08:00

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 5.5'-6.5'

Surface Completion: SV probe

Soil Vapor Well Detail Completed (Yes/no) attached

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description asphalt

1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: flat

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 ppm | | 39" | | | | 0 | | 4" asphalt 0.0-0.35 | | | | | |
| | | | | | | 1 | SP | ~~0.0-0.5~~ 0.35-0.9 Clay (CL), dark yellowish brown (10YR 3/4), slightly moist, hard, no dilatency, high dry strength, med. toughness, mostly clay (70), little fine sand (15), few coarse sand (5), TR gravels throughout (asphalt). No stain no odor, Fill material. | | | | 15 | |
| | | | | | | 2 | | | TR | 5 | - | 15 | 80 |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| 0.0 ppm | | 30" | | | | 5 | | 0.9-6.5 Poorly graded sand (SP), dark yellowish brown (10YR 4/4), moist, loose. Mostly fine sand (70), few silt, med, coarse sand (10% each), TR gravels throughout up to ~~1/2~~ 1". Several clasts of sandstone all through out up to 2". No stain no odor. Fill material. | | | | | |
| | | | | | | 6 | SP | | TR | 10 | 10 | 70 | 10 |
| | | | | | | TD 6.5 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | 1/2" | | | | |
| | | | | | | 9 | | | | | | | |

TD = 6.5' bgs w/ refusal on sandstone bedrock.

QA/QC

Surficial media boring log rev 2-25-2014

MWH

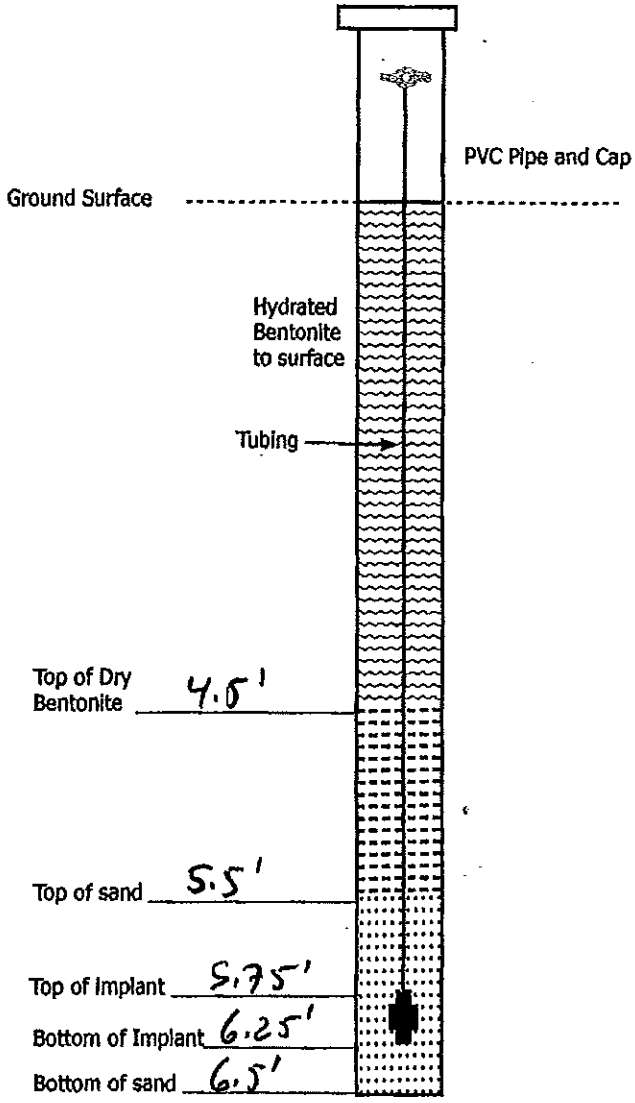
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV DG-512 Job #: 10503982.3050106/10503982.3060106 Project: Phase 3 DOE Data Gap Sampling 20

Site: SA Reviewed by: Logged by: ROB ELLIS

Drilling Contractor: GST Rig Type/Method: Geoprobe 5400 Driller: MARK HILLHOUSE

Borehole TD: 6.5' bgs Probe Completion Date/Time: 05JUN14 08:00 Borehole Diameter: 2.25"




**Vapor Implant Specs**

Material: stainless steel

Length: 6"

Diameter: 3/8"

**Tubing Specs**

Material: teflon

Diameter: 1/4"

Color: clear

**Sand Pack Specs**

Grain Size: #3 sand

Manufacturer: Cemex

**Dry Bentonite**

Type: #8 crumbles

Manufacturer: Cetco

**Hydrated Bentonite**

Type: #8 crumbles

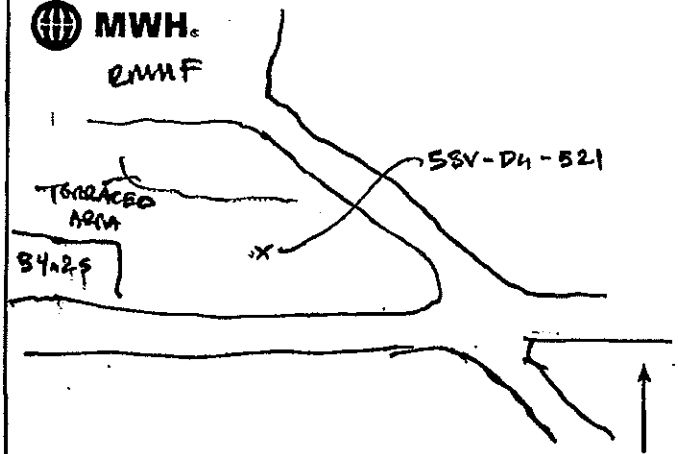
Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH



Site Sketch Map

Boring ID: SSV-D4-S21 Sheet 1 of 2

Project: Phase 3 DOE Data Gap Sampling 2014

Job #: 10503982.3050106 / 10503982.3060106 Site: SA

Logged By: ANDREW RAND Reviewed By:

Drilling Contractor: EST Drillers Name: MARTIN KILLHULLEN

Drill Rig Type/Method: GEOPROBE 5400 / DP

Sampler Type: MACROCORE

Borehole Diam (inch): 2.25" Total Depth (ft bgs): 11'

Drill Bit Type: MACROCORE

Drill Start Time/Date: 0925 6/6/14 Drill Finish Time/Date: 1000 6/6/14

Soil Vapor ID: SSV-D4-S21

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 6/6/14 1000

Observations: ☐ Debris ☑ Staining (OXIDATION) ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): 5-6, 10-11

Surface Completion: SOIL VAPOR PROBE

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: (WEATHERED SS) ☒ Bedrock ☐ Debris ☐ Gravel ☒ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) Surface Description: GRASSES, MOSTLY, SMALL SS (SEARSE) | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | | SILTY SAND (SM) DRY, (BROWN - 10YR 4/3), LOOSE | — | — | 5 | 75 | 20 |
| | | | | | | 1 | | TO MEDIUM DENSE, FINE SAND, TRACE MED. SAND, | | | | | |
| | | | | | | | | ROOTS, FILL MATERIAL | | | | | |
| | | | | | | 2 | | | | | | | |
| 0.0 | | 48" | — | N/A NONE | — | | | | | | | | |
| | | | | | | 3 | SP | SAND w/ GRAVEL @ 3.5-4.0, DRY, LOOSE, REDDISH BROWN (10YR 5/2), FINE TO CS | 15 | 10 | 30 | 30 | 5 |
| | | | | | | | SW/SP | SAND, w/ 15% GRAVEL, SAND AND GRAVEL IS | | | | | |
| | | | | | | 4 | | AREA TO SE; FILL; TRACE FINES. | — | — | 15 | 55 | 30 |
| | | | | | | 5 | SM | SILTY SAND (SM), MOIST, BROWN (10YR 4/3) TO | | | | | |
| | | | | | | | | YELLOWISH BROWN (10YR 6/6); MEDIUM DENSE, | | | | | |
| 0.0 | | 48" | — | N/A NONE | — | 6 | | FINE TO MEDIUM SAND, SA TO SR, w 25-30% FINES | | | | | |
| | | | | | | | | STRONG BRN (7.5YR 4/6) MOTTLING/OXIDATION, MICA, | | | | | |
| | | | | | | 7 | | MINERAL? TRACE PEBBLES (10YR 2/1); NO ODOR | | | | | |
| | | | | | | | | NATIVE/ALLUVIUM. | | | | | |
| | | | | | | 8 | SP-SM | SAND w/ SILT (SP-SM), DRY TO MOIST, VERY PALE | — | — | 15 | 70 | 15 |
| | | | | | | | | BROWN (10YR 7/4) w/ STRONG BROWN (7.5YR 5/6) | | | | | |
| | | | | | | 9 | | OXIDATION (@ 8-8.25), FINE TO MEDIUM SAND, w 15% | | | | | |
| 0.0 | | 36" 48" | — | N/A NONE | — | | | FINES; NATIVE ALLUVIUM; SA TO SR SAND. | | | | | |
| | | | | | | 10 | | | | | | | |

QA/QC

Surficial media boring log rev 2-25-2014

Boring ID: SSV-DA-S21 Project: SV INSTALLATION Sheet 2 of 2

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations | | | | | |
| 0.0 | X | 3/6" | — | N/A (NONE) | — | 10 | SP | SAND (SP), DRY, LOOSE, VERY PALE BROWN (10YR 7/3), FINE TO MED SAND, TRACE FINES; NEAR TO SUBROUNDED, NATIVE ALLUVIUM. | | | | | 5 |
| | | | | | | 11 | | WEATHERED SS PIECES ~ ¼–⅛" DIA. | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | TD = 11' | | | | | |
| | | | | | | 5 | | UNCONSOLIDATED / BEDROCK | | | | | |
| | | | | | | | | DWL NOT SV PROBE S-6', 10-11' | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |
| | | | | | | 0 | | | | | | | |
| | | | | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

MWH

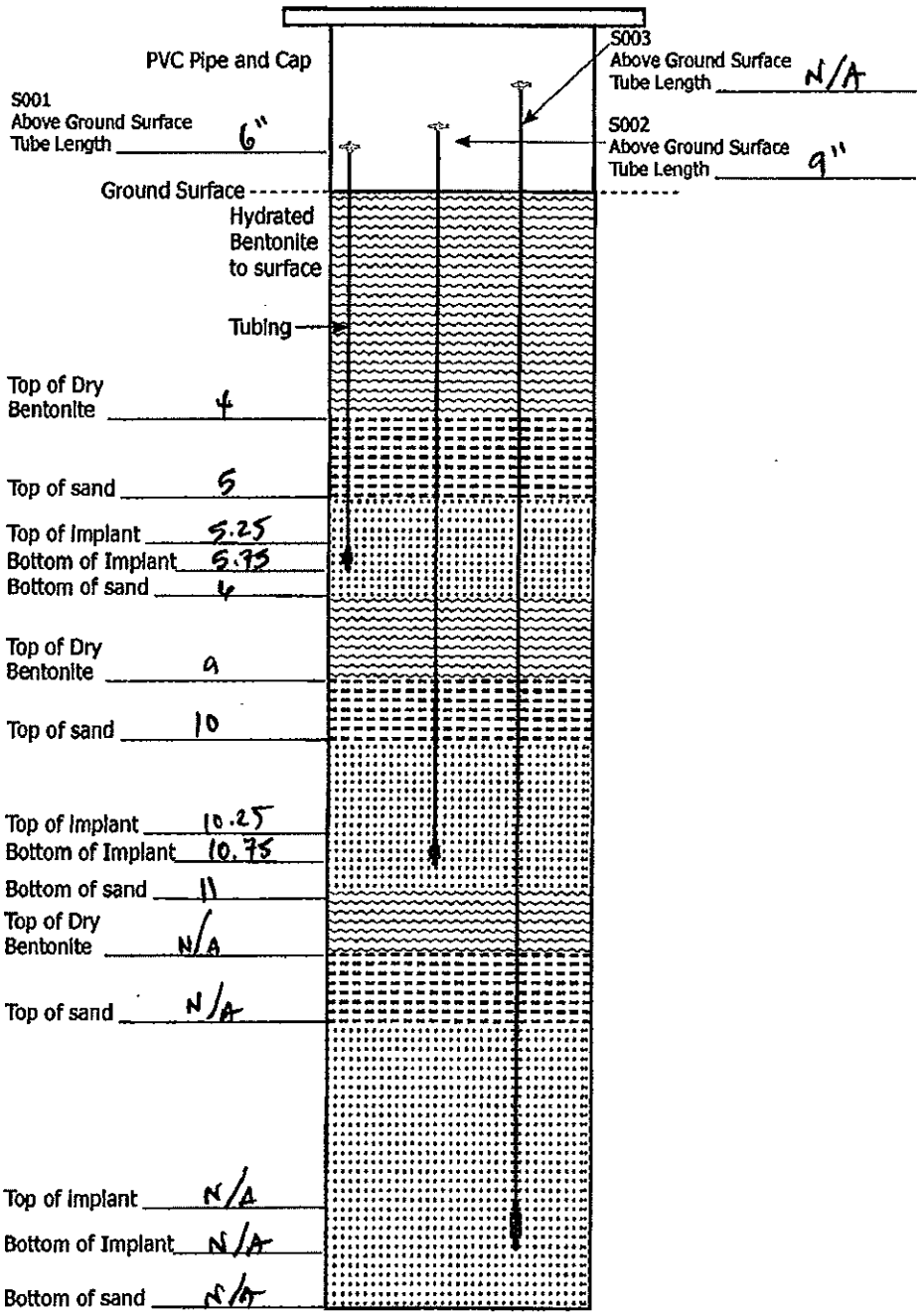
# Multiple Soil Vapor Probe Construction Diagram



Probe ID/Soil ID: SSV-DG-S2)
Site: SA
Drilling Contractor: EST
Borehole TD: 11'

Project: Phase 3 DOE Data Gap Sampling 2014
Logged by: ADAM PAINE
Driller: MARTIN KILLMEN
Borehole Diameter: 2.25"

Job #: 10503982.3050105/10503982.3060105
Reviewed by:
Rig Type/Method: GEOPROBE 5400 / DP
Probe Completion Date/Time: 6/6/14 1045




**Vapor Implant Specs**

Material: STAINLESS STEEL
Length: 6"
Diameter: 3/8"

**Tubing Specs**

Material: TEFLON
Diameter: 1/4"
Color: CLEAR

**Sand Pack Specs**

Grain Size: #3
Manufacturer: CEMEX

**Dry Bentonite**

Type: #8
Manufacturer: CETCO

**Hydrated Bentonite**

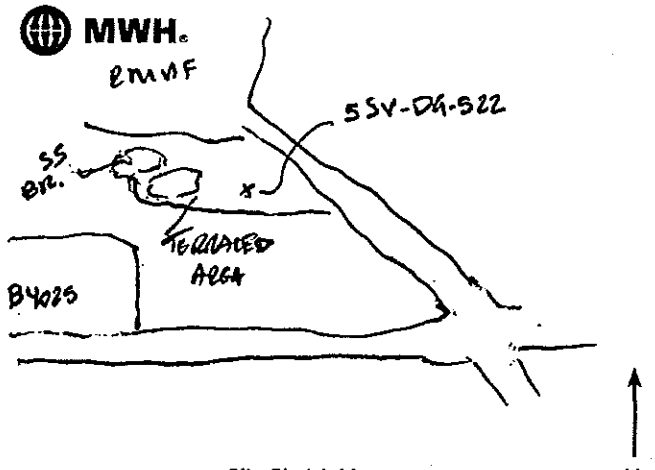
Type: #8
Manufacturer: CETCO

**Notes:**

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

MWH



Site Sketch Map

Boring ID: SSV-DA-522 Sheet 1 of 1

Project: Phase 3 DOE Data Gap Sampling 2014

Job #: 10503982.3050106 / 10503982.3060106 Site: SA 5

Logged By: ANDREW ROMER Reviewed By:

Drilling Contractor: EST Drillers Name: MARTIN ULLMULEN

Drill Rig Type/Method: GEOPROBE 5400/DP

Sampler Type: MACRO CORE

Borehole Diam (inch): 2.25" Total Depth: (ft bgs) 8.5'

Drill Bit Type: INTERCORE

Drill Start Time/Date: 0815 6/6/14 Drill Finish Time/Date: 0830 6/6/14

Soil Vapor ID: SSV-DA-522

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 6/6/14 0845

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 7.5 - 8.5'

Surface Completion: SOIL VAPOR PROBE

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: GRASS AND GRAVEL

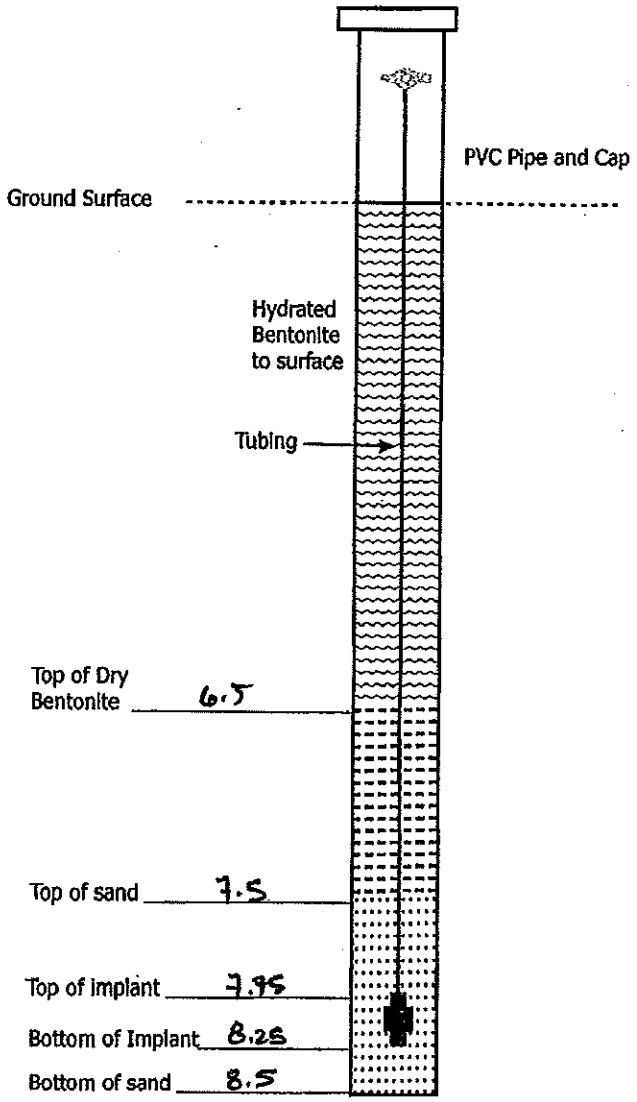
| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | SILTY SAND (SM), DRY, BROWN (10YR 4/3), FINE SAND, ~65% FINE, ~15% MEDIUM SAND, ~20% FINES. LOOSE; ROOTS; FILL MATERIAL; SAND IS SA TO SR. | — | — | 15 | 65 | 20 |
| 0.0 | | 40" | — NONE | — | | 2 | | @ 1.5-2.0 INTERVAL OF LIGHT YELLOWISH BROWN (10YR 6/4) W/ PIECES OF SS (FROM A SMALL ROCK) | | | | | |
| | | | | | | 5 | SM | SILTY SAND (SM) DRY, LOOSE, DARK YELLOWISH BROWN (10YR 4/4), ~65% FINE SAND, 10% MEDIUM, 25% FINES, FILL MATERIAL; SAND IS SA TO SR | — | — | 10 | 65 | 25 |
| 0.0 | | 40" | — NONE | — | | 6 | | | | | | | |
| | | | | | | 7 | | @ 7.5 - 8.0 - MEDIUM DENSE | | | | | |
| | | | | | | 8 | SP | | | | | | |
| 0.0 | X | 6" | — NONE | — | | | | SAND (SP) YELLOWISH BROWN, DRY, FINE TO MEDIUM, LOOSE SAND, SAND IS ANGULAR SOB | — | — | 80 | 15 | 5 |
| | | | | | | 9 | | REMOVED, TD=8.5'; UNKNOWN REFUSAL, @ 7.5-8.5' SV PROBE | | | | | |

LEAD SHIELD SHOCKWAVE

MWH

# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SSV-DA-522
Job #: 10503982.3050106/10503982.3060106
Project: Phase 3 DOE Data Gap Sampling 201
Site: SA 5
Reviewed by:
Logged by: ANDREW BYNES
Drilling Contractor: EST
Rig Type/Method: ~~MARTIN~~ GEOPROBE 5400 / DP
Driller: MARTIN KILLMULLEN
Borehole TD: 8.5'
Probe Completion Date/Time: 6/6/14 0845
Borehole Diameter: 2.25"




Vapor Implant Specs
Material: STAINLESS STEEL
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: TEFLON
Diameter: 1/4"
Color: CLEAR

Sand Pack Specs
Grain Size: #3
Manufacturer: CEMEX

Dry Bentonite
Type: #8
Manufacturer: CETCO

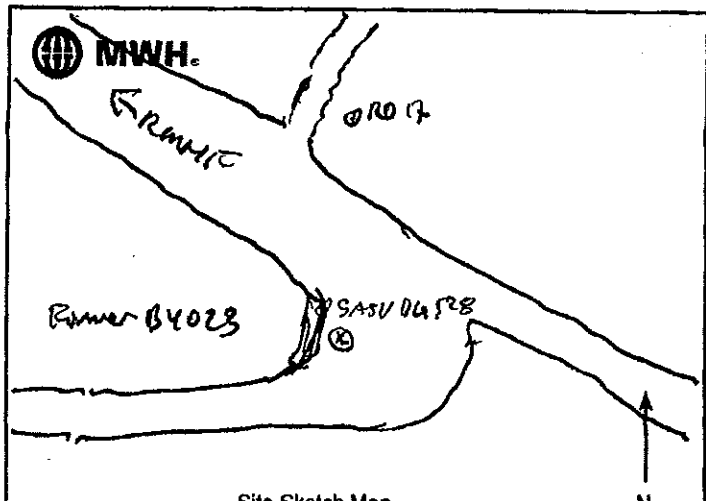
Hydrated Bentonite
Type: #8
Manufacturer: CETCO

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH



Site Sketch Map

Boring ID: SASV DG-528 Sheet 1 of 1

Project: Phase 3 DOE SVDG 2014

Job #: 105038972.3000108 Site: SA

Logged By: CHRISTIS Reviewed By:

Drilling Contractor: EST Drillers Name: MARK KILLINGSWORTH

Drill Rig Type/Method: Geoprobe 5400

Sampler Type: Macrocore.

Borehole Diam (inch): 2.25" Total Depth (ft bgs): 10.0'

Drill Bit Type: Macrocore

Drill Start Time/Date: 14:25 05JUN14 Drill Finish Time/Date: 14:40 05JUN14

Soil Vapor ID: SASV DG-528

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 05JUN14; 15:00

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 5.0-6.0'; 9.0-10.0'

Surface Completion: SV probe in asphalt

Soil Vapor Well Detail Completed (yes/no) attached.

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description: Surface Description: asphalt, slight grade SE | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | | 44" | | | | 0 | | 0.0 - 0.35 4" asphalt | | | | | |
| 0.0 | | | | | | 0.35 | SP GP | 0.35 - 1.7 graded poorly sorted sand w/ gravel. (SP-GP), grey (10YR6/1), | 20 | 10 | 15 | 45 | 10 |
| | | | | | | 2 | | Mostly fine sand (45), little gravel (20), | | | | | |
| | | | | | | 3 | SP | little medium (15), few silt (10) coarse sand (10). med dense-dense, | | | | | |
| | | | | | | 4 | | dry. No stn, no odor. Fill | | | | | |
| | | 48" | | | | | | Some base gravel at 1.7' bgs. | | | | | |
| | | | | | | 5 | | 1.7 - 4.0 | | | | | |
| | | | TD: 10.0' w/ refusal on sandstone bedrock | | | | SP SM | Poorly graded sand (SP). Yellowish brown (unit #4) loose, dry. | - | - | 5 | 85 | 10 |
| | | | | | | 6 | | Mostly fine sand (85), few silt | | | | | |
| | | | | | | 7 | | (10) and few med sand (5). No | | | | | |
| | | | | | | | | Stn, no odor. Fill. | | | | | |
| | | | | | | 8 | | 4.0 - 8.5 | | | | | |
| | | 24" | | | | | | Poorly sorted sand with silt (SP-SM) | - | - | TR | 75 | 25 |
| | | | | | | 9 | | dark brown (10YR3/3) grades to dk yellow | | | | | |
| | | | | | | | SM | brown (10YR3/6). dry, loose. Mostly | | | | | |
| | | | | | | 10.0 | | fine sand (75), little silt (25), trace med sand. | - | - | 65 | 35 |

No stn, no odor. Fill.

8.5-10.0

QA/QC

Surficial media boring log rev 2-25-2014

MWH

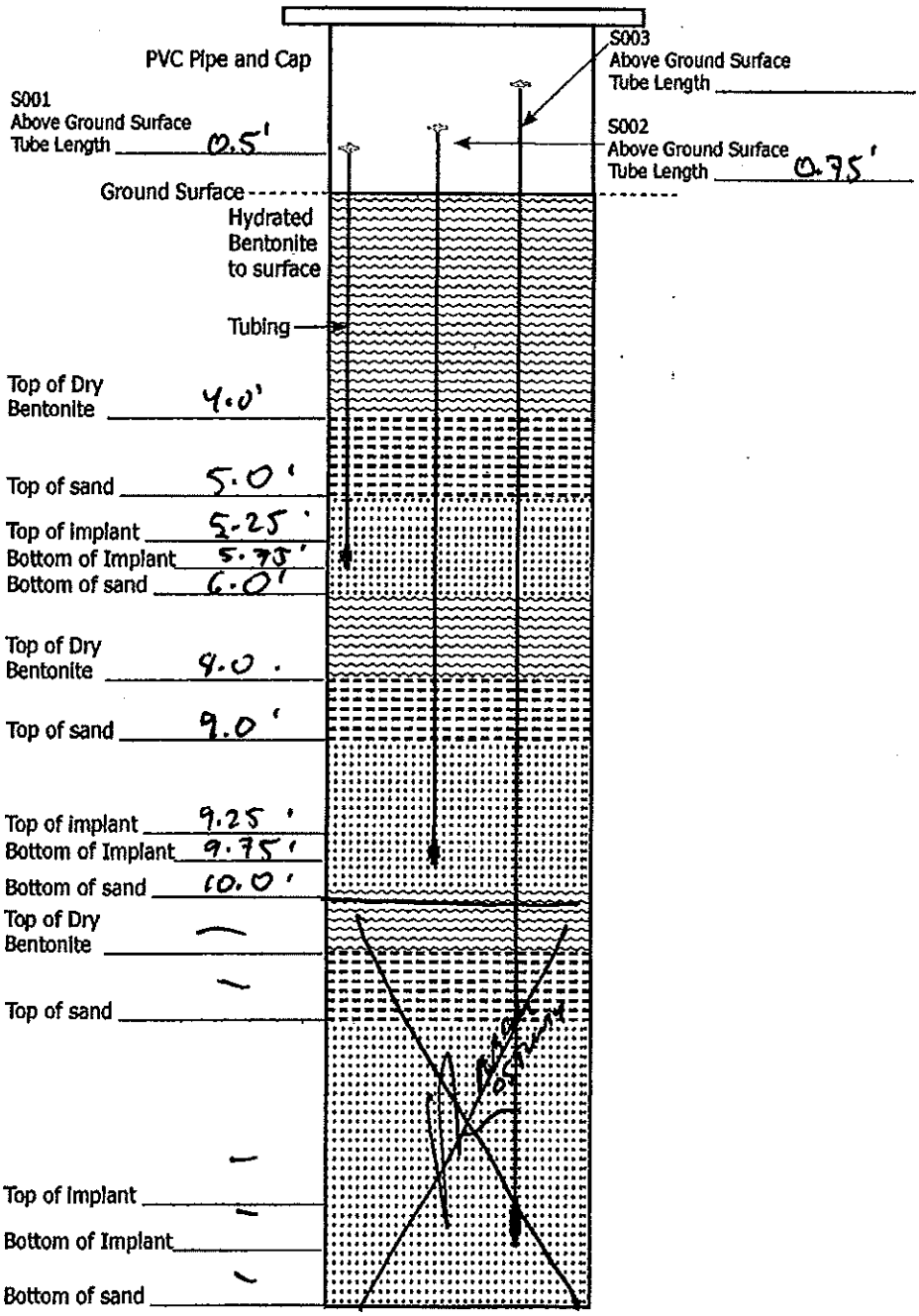
# Multiple Soil Vapor Probe Construction Diagram



Probe ID/Soil ID: SASV DH-528
Site: SA
Drilling Contractor: EST
Borehole TD: 10.0' bgs

Project: Phase 3 DOE Data Gap Sampling 2014
Logged by: ABELLES
Driller: MARK KLEINLEIN
Borehole Diameter: 2.25"

Job #: 10503982.3050105/10503982.3060105
Reviewed by:
Rig Type/Method: Geoprobe 5400
Probe Completion Date/Time: 05 JUN 14. 15:00




**Vapor Implant Specs**
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

**Tubing Specs**
Material: teflon
Diameter: 1/4"
Color: clear

**Sand Pack Specs**
Grain Size: #3 Sand
Manufacturer: Cemex

**Dry Bentonite**
Type: #8 crumbles
Manufacturer: Cetco

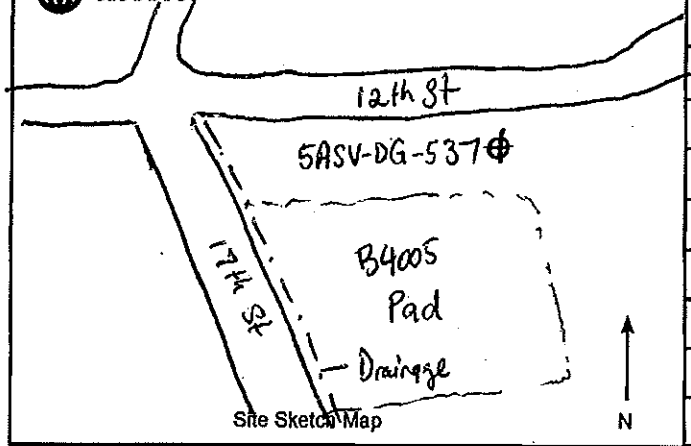
**Hydrated Bentonite**
Type: #8 crumbles
Manufacturer: Cetco

**Notes:**

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

MWH



Site Sketch Map

Boring ID: 5ASV-DG-537 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5A

Logged By: V. Vatharasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 5.5

Drill Bit Type: Macrocore

Drill Start Time/Date: 1345 / 6-5-2014 Drill Finish Time/Date: 1407 / 6-5-2014

Soil Vapor ID: 5ASV-DG-537

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 1420 / 6-5-14

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 4.5 - 5.5

Surface Completion: Soil vapor probe

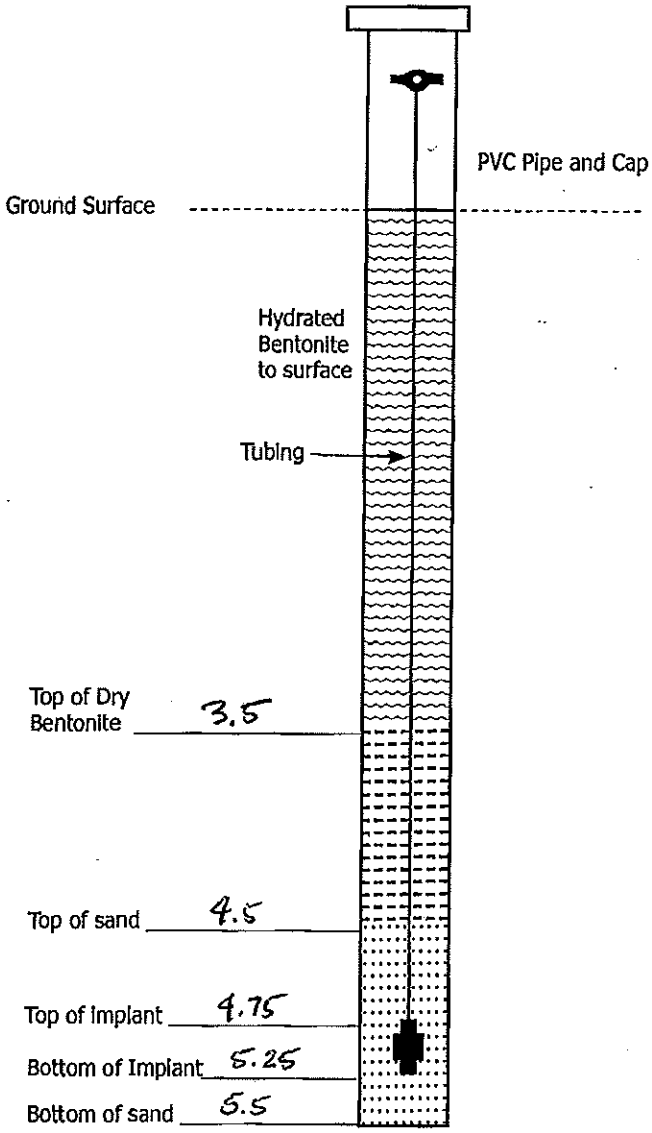
Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Silty Sand w/ Gravel (SM), dark yellowish brown (10YR 4/4), loose, dry, fine sand to coarse sand, fine angular gravel (road base), fill | 15 | 10 | 30 | 25 | 20 |
| | | | | | | 1 | | | | | | | |
| | | | | | | 2 | | @ 2' grades w/o gravel, color change to yellowish brown (10YR 5/8), fine to med. sand, fill | - | - | 10 | 70 | 20 |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | SP | Poorly Graded Sand (SP), yellowish brown (10YR 5/6), loose, dry, fine sand and silt, trace silt, no stains or odors (P.I.D.), native soil | - | - | - | 100 | TR |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | Br | @ 5.5' Sandstone, weathered. | | | | | |
| | | | | | | 7 | | TD = 5.5, refusal on bedrock, install vapor probe at 4.5-5.5 | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV-DG-537
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling
Site: SA 6A
Reviewed by:
Logged by: V. Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400/DP
Driller: Morgan Hughes
Borehole TD: 5.5
Probe Completion Date/Time: 1420/6-5-14
Borehole Diameter: 2.25"




Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: # 3
Manufacturer: Cemex

Dry Bentonite
Type: # 8
Manufacturer: Cetco

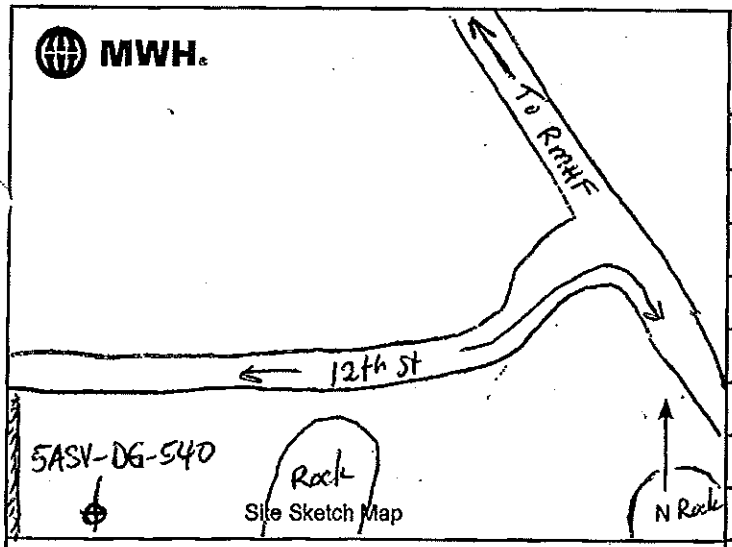
Hydrated Bentonite
Type: # 8
Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH



Site Sketch Map

Boring ID: 5ASV-DG-540 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5A

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 9.5

Drill Bit Type: Macrocore

Drill Start Time/Date: 0905/6-5-14 Drill Finish Time/Date: 0930/6-5-14

Soil Vapor ID: 5ASV-DG-540

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 0945/6-5-14

Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): 4.5-5.5, 8.5-9.5

Surface Completion: Soil Vapor probes.

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) / Surface Description: | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 48" | NONE | | | 0 | SP-SM | Poorly Graded Sand with Silt (SP-SM), very pale brown (10YR 7/4), loose, dry, predominantly fine sand, medium sand, non-plastic silt, no odors or stains, fill | - | - | 20 | 70 | 10/ |
| | | | | | | 1 | | | | | | | |
| | | | | | | 2 | | @2' Color changes to brownish yellow (10YR 6/6), mica grains | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | SM | Silty Sand (SM), dark yellowish brown (10YR 4/4), loose, dry, fine sand, non-plastic silt, no stains or odors, fill | - | - | - | 60 | 40/ |
| | | 48" | NONE | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | ML | Silt (ML), dark yellowish brown (10YR 4/6), stiff, well compacted, dry, poss. native | - | - | - | - | 100/ |
| | | 18" | NONE | | | 9 | SM | Silty Sand (SM), brownish yellow (10YR 6/8) slight oxidation, med. dense, dry, fine | - | - | - | 70 | 30/ |
| | | | | | | | Br | sand and silt, native soil | | | | | |

@9.5 Sandstone - weathered TD = 9.5'

MWH

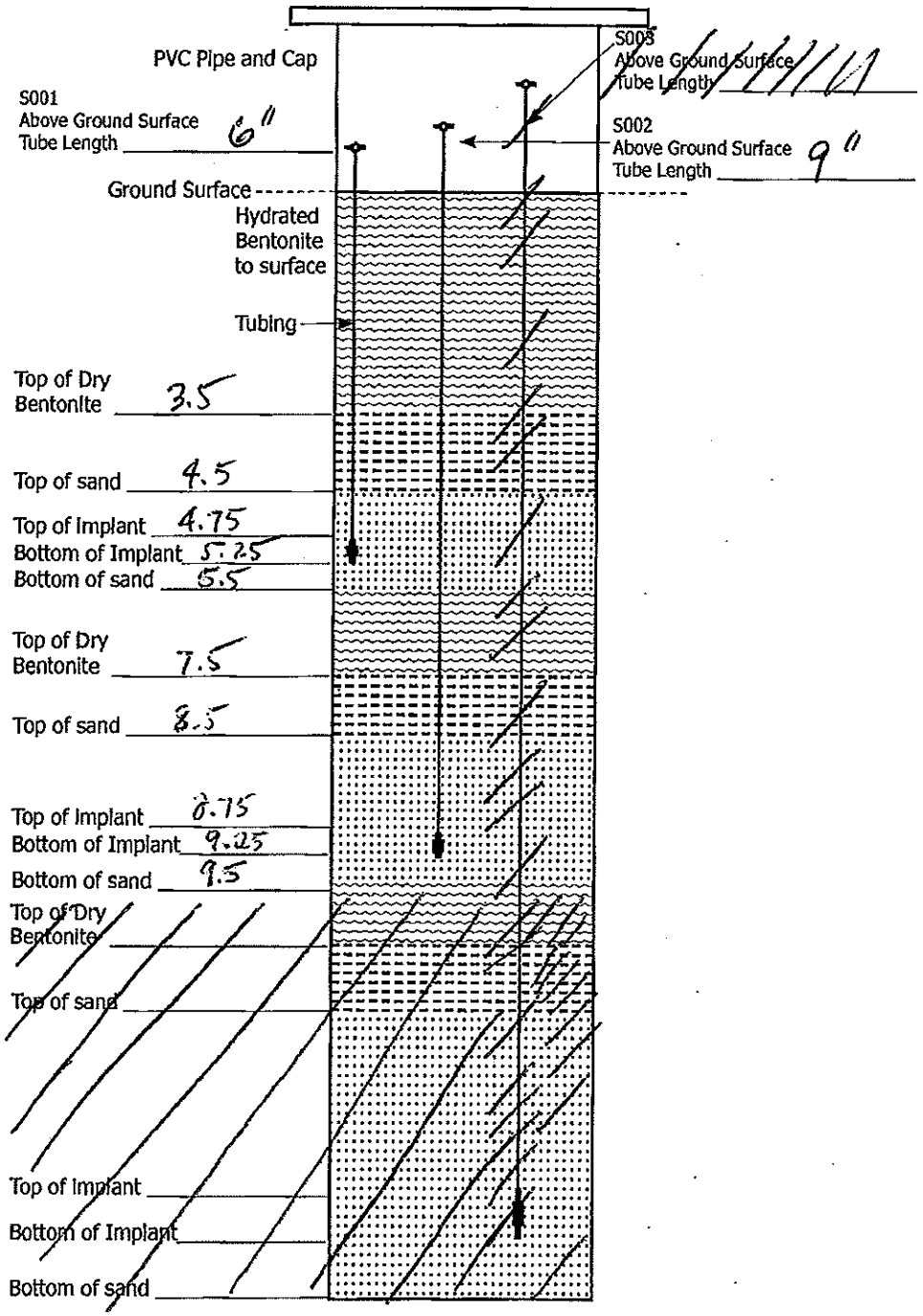
# Multiple Soil Vapor Probe Construction Diagram



Probe ID/Soil ID: 5ASV-DG-540
Site: 3A 5A
Drilling Contractor: EST
Borehole TD: 9.5'

Project: Phase 3 DOE SV DG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 1050982
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 0945 / 6-5-




**Vapor Implant Specs**
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

**Tubing Specs**
Material: Teflon
Diameter: 1/4"
Color: Clear

**Sand Pack Specs**
Grain Size: #3
Manufacturer: Cemex

**Dry Bentonite**
Type: #8
Manufacturer: Cetco

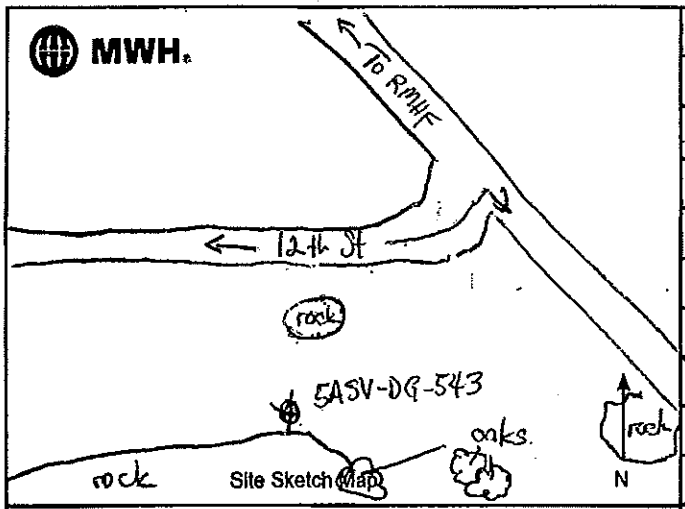
**Hydrated Bentonite**
Type: #8
Manufacturer: Cetco

**Notes:**

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

MWH



Site Sketch Map

| | |
|---|---|
| Boring ID: SASV-DG-543 | Sheet 1 of 1 |
| Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014 | |
| Job #: 10503982.3050105/ 10503982.3060105 | Site: 5A |
| Logged By: V. Vathanasin | Reviewed By: |
| Drilling Contractor: EST | Drillers Name: Morgan Hughes |
| Drill Rig Type/Method: Geoprobe 5400 / DP | |
| Sampler Type: Macrocore | |
| Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 6.0 |
| Drill Bit Type: Macrocore | |
| Drill Start Time/Date: 1000 / 6-5-2014 | Drill Finish Time/Date: 1014 / 6-5-2014 |
| Soil Vapor ID: SASV-DG-543 | Soil Boring Backfill Time/Date: N/A Backfill Material: N/A |
| Soil Vapor Well Completion Time/Date: 1036 / 6-5-2014 | Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☑ None |
| Soil Vapor Probe Depths (ft.bgs): 5.0 - 6.0 | Surface Completion: Install vapor probes |
| Soil Vapor Well Detail Completed (yes/no) | Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None |

Soil Description
1) Soil type; 2) USCS Symbol; 3) Munsell Color; 4) Consistency/Density; 5) Moisture; 6) Grain Size %; 7) Cementation; 8) Plasticity (fines); 9) Geologic Unit (fill, alluvium, bedrock); 10) Misc. Observations

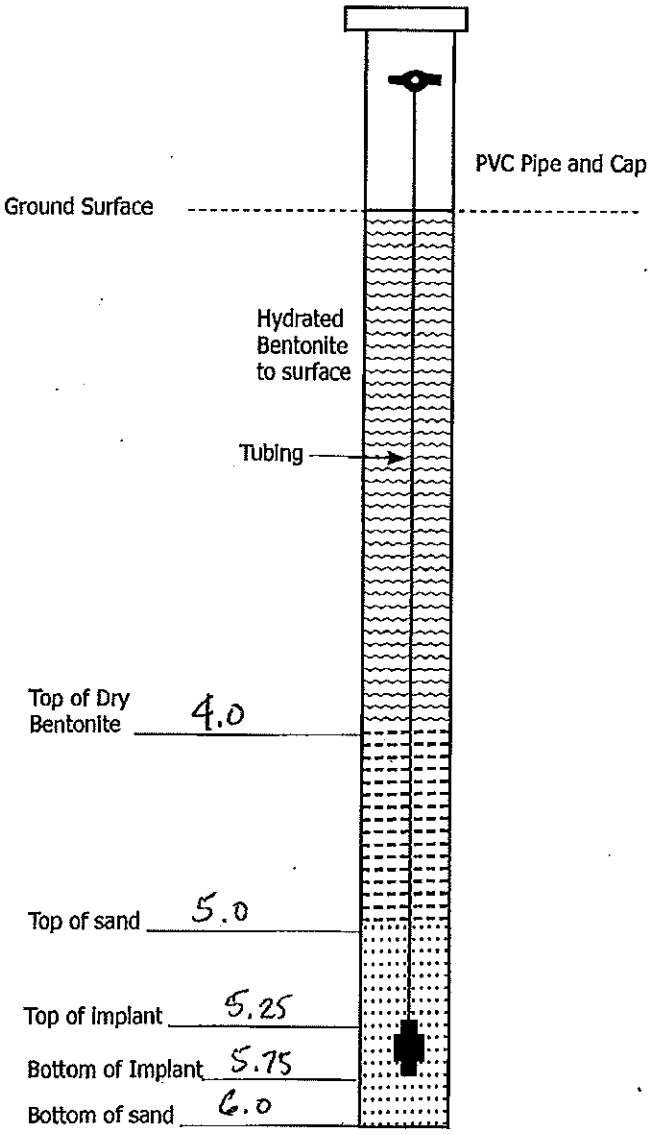
Surface Description: Graded yellowish (V.V.)

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Silty Sand (SM), brown (10YR 5/4), loose, dry, fine sand, silt, non-cemented, few roots to 2" bgs., no odors or stains, fill | – | – | – | 60 | 40 |
| | | | NONE | | | 1 | | | | | | | |
| | | 40" | | | | 2 | | @2. darkens to 10YR 5/6, slightly ~~silttier~~ (V.V.) more plastic fines, platy structures, fill | – | – | – | 60 | 40 |
| 0.0 | | | | | | 3 | | | | | | | 30 |
| | | 24" | | | | 4 | | @4' brownish yellow (10YR 6/6), native soil, low plasticity clay | – | – | – | 60 | 40/10 |
| | | | NONE | | | 5 | | | | | | | |
| 0.0 | | | | | | 6 | Br | Sandstone, weathered | | | | | |
| | | | | | | 7 | | TD = 6.0, refusal on bedrock. Install vapor probes at 5.0-6.0' | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

MWH

# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV-DB-543
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling
Site: SA 5A
Reviewed by:
Logged by: Van Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400 / DP
Driller: Morgan Hughes
Borehole TD: 6.0
Probe Completion Date/Time: 1036 / 6-5-2014
Borehole Diameter: 2.25"




Vapor Implant Specs
Material: Stainless Steal
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: ~~Cemex~~ Cemex (V.V.)

Dry Bentonite
Type: #8
Manufacturer: Cetco

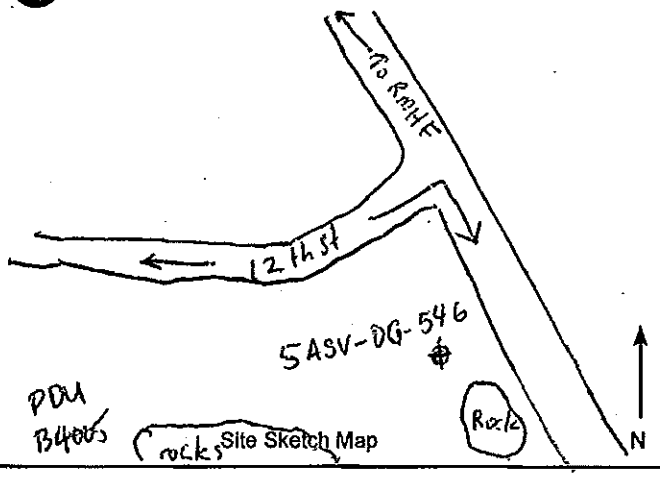
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH



Site Sketch Map

| | | | |
|---|---|---|---|
| Boring ID: 5ASV-DG-546 | Sheet 1 of 1 | | |
| Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014 | | | |
| Job #: 10503982.3050105/ 10503982.3060105 | Site: 5A | | |
| Logged By: V. Vathanasin | Reviewed By: | | |
| Drilling Contractor: EST | Drillers Name: Morgan Hughes | | |
| Drill Rig Type/Method: Geoprobe 5400 / DP | | | |
| Sampler Type: Macrocore | | | |
| Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 7.0 | | |
| Drill Bit Type: Macrocore | | | |
| Drill Start Time/Date: 0734 / 6-5-14 | Drill Finish Time/Date: 0745 / 6-5-14 | | |
| Soil Vapor ID: 5ASV-DG-546 | Soil Boring Backfill Time/Date: N/A | Backfill Material: N/A | |
| Soil Vapor Well Completion Time/Date: 814 / 6-5-14 | Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None | | |
| Soil Vapor Probe Depths (ft.bgs): 6.0-7.0 | Surface Completion: Soil vapor probe | | |
| Soil Vapor Well Detail Completed (yes/no) | Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None | | |

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Surface Description: Graded fill | | | | | |
| | | | | | | 0 | SM | Silty Sand (SM), brownish yellow (10YR 6/6), loose, dry, fine sand, non-plastic silt, no odors or stains, fill | -- | - | - | 65 | 35 |
| | | 45" | none | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | @ 4' grades with light gray mottling (10YR 7/2), fill, matrix lightens to light yellowish brown (10YR 6/4), fill | | | | | |
| | | 46" | none | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| 0.0 | | | | | | 7 | Br | Weathered bedrock, Sandstone. | | | | | |
| | | | | | | 8 | | TD = 7.0, refusal on bedrock, install probe at 6.0 - 7.0 ft | | | | | |
| | | | | | | 9 | | | | | | | |

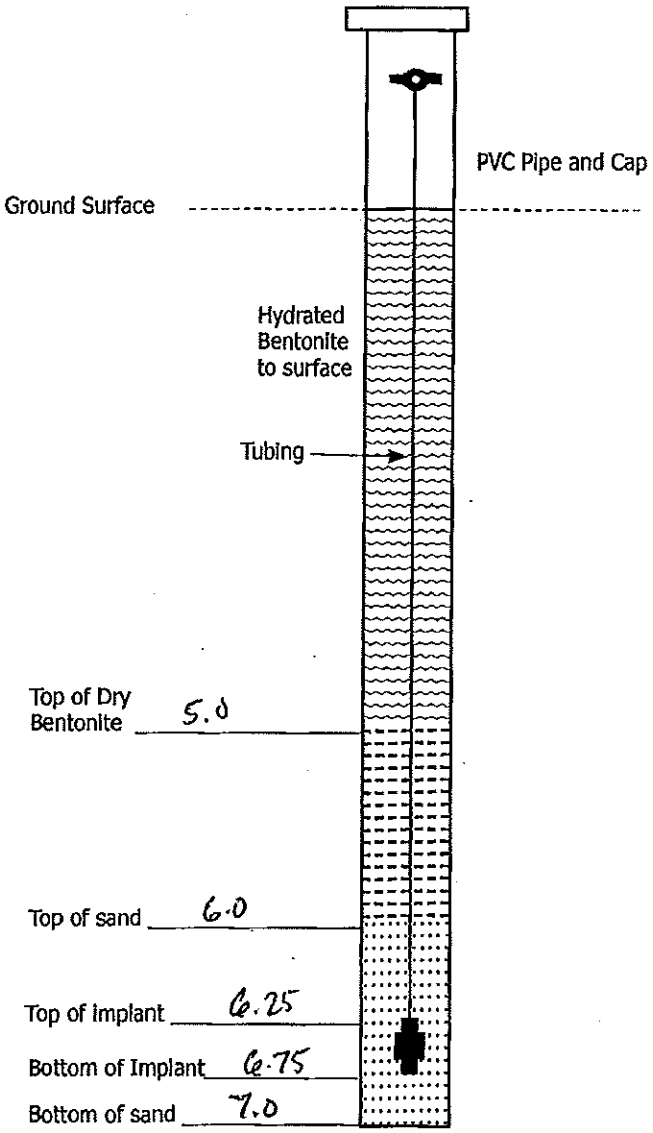
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5ASV-DG-546 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling

Site: 5A | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 / DP | Driller: Morgan Hughes

Borehole TD: 7.0 | Probe Completion Date/Time: 0814 / 6-5-14 | Borehole Diameter: 2.25"




Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

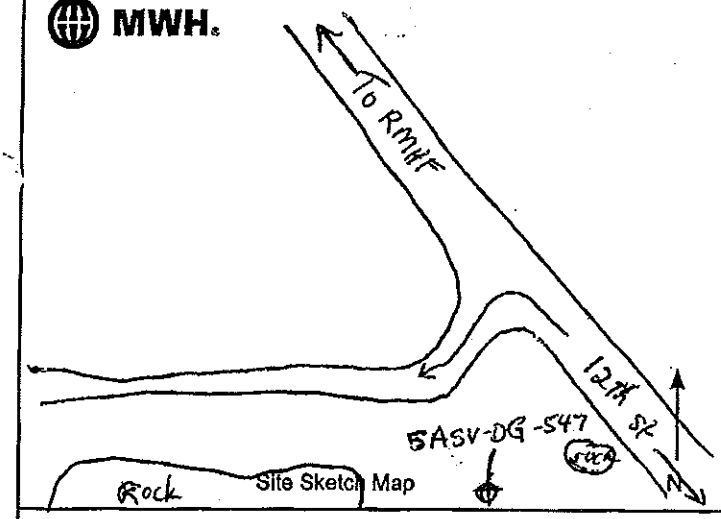
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH



Site Sketch Map

Boring ID: 5ASV-DG-547 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5A

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 7.0

Drill Bit Type: Macrocore

Drill Start Time/Date: 0824 / 6-5-14 Drill Finish Time/Date: 0850 / 6-5-14

Soil Vapor ID: 5ASV-DG-547

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 0857 / 6-5-14

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 6.0-7.0

Surface Completion: Soil vapor ~~probe~~ (V.P.) probe

Soil Vapor Well Detail Completed (yes/no)

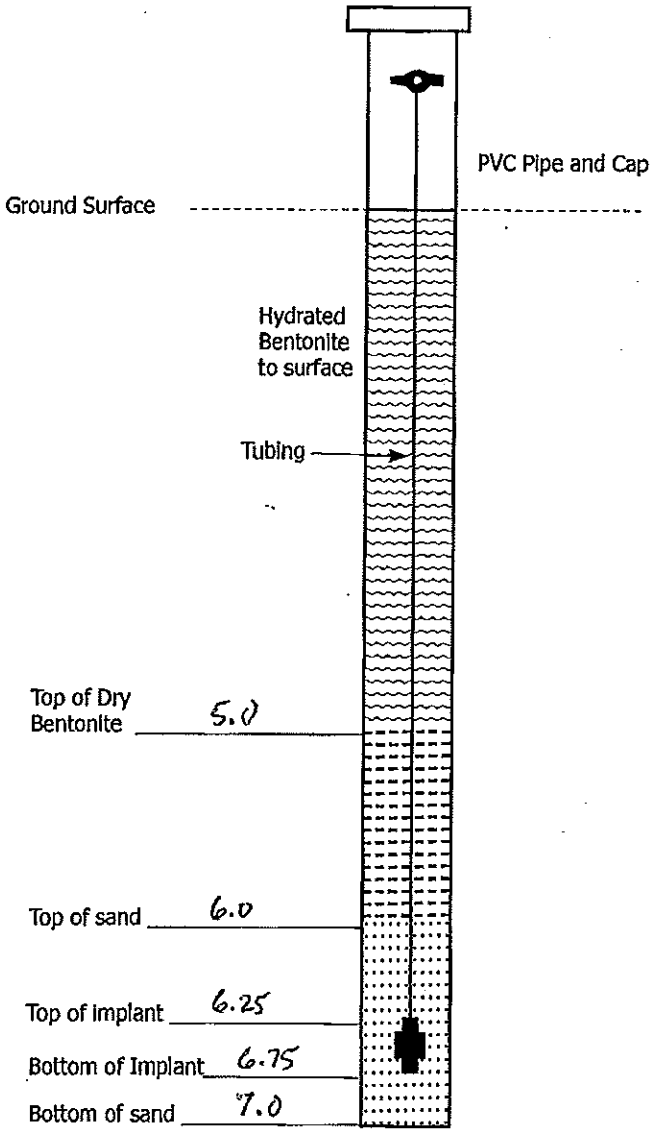
Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Surface Description: Graded fill area, mustard | | | | | |
| | | | | | | | | Silty Sand (SM), brown (10YR 4/3), med. dense, dry, fine sand, silt, non plastic, well compacted but not cemented, no odors or stains, fill | | | | | |
| | | 48" | None | | | 2 | | @2' grades to loose and color changes to dark yellowish brown (10YR 4/4), friable, fill | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | 36" | | | | | | @5' Color changes to yellowish brown (10YR 5/4), increasing silt | – | – | – | 65 | 35/ |
| | | | None | | | 6 | | | | | | | |
| 0.2 | | | | | | 7 | Br | Sandstone, weathered. | | | | | |
| | | | | | | | | TD = 7.0, refusal on bedrock. | | | | | |
| | | | | | | 8 | | Install vapor probe at 6.0-7.0 | | | | | |
| | | | | | | 9 | | | | | | | |

MWH

# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5ASV-DG-547
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling
Site: 5A
Reviewed by:
Logged by: V. Vathanasri
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400 / DP
Driller: Morgan Hughes
Borehole TD: 7.0
Probe Completion Date/Time: 0857 / 6-5-14
Borehole Diameter: 2.25"




Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH

| | |
|---|---|
| Boring ID: 5ASV-DG-560 | Sheet 1 of 2 |
| Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014 | |
| Job #: 10503982.3050105/ 10503982.3060105 | Site: 5A |
| Logged By: V. Vatharasin | Reviewed By: |
| Drilling Contractor: EST | Drillers Name: Morgan Hughes |
| Drill Rig Type/Method: Geoprobe 5400 / DP | |
| Sampler Type: Macrocore | |
| Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 11.5 |
| Drill Bit Type: Macrocore | |
| Drill Start Time/Date: 1420 / 6-4-14 | Drill Finish Time/Date: 1500 / 6-4-14 |
| Soil Boring Backfill Time/Date: N/A | Backfill Material: N/A |
| Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None | |
| Surface Completion: Install vapor probes | |
| Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None | |

Site Sketch Map — N

| | |
|---|---|
| Soil Vapor ID: 5ASV-DG-560 | |
| Soil Vapor Well Completion Time/Date: 1515 / 6-4-2014 | |
| Soil Vapor Probe Depths (ft.bgs): 5.0 - 6.0, 10.5 - 11.5 | |
| Soil Vapor Well Detail Completed (yes/no) | |

Soil Description
1) Soil type; 2) USCS Symbol; 3) Munsell Color; 4) Consistency/Density; 5) Moisture; 6) Grain Size %; 7) Cementation; 8) Plasticity (fines); 9) Geologic Unit (fill, alluvium, bedrock); 10) Misc. Observations

Surface Description: In non-paved drainage 11 to 12" bgs

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Silty Sand (SM), brown (10YR 4/3), loose, dry, fine sand, silt, no odors, no stains, fill | - | - | - | 60 | 40/ |
| | | 45" | | | | 1 | | | | | | | |
| | | | | | | 2 | | @1.6 color changes to yellowish brown (10YR 5/6) | | | | | |
| | | | | | | 3 | | grades to → | - | - | 10 | 65 | 25/ |
| 0.0 | | | | | | 4 | | w/ platy texture. fill | | | | | |
| | | | | | | 5 | | | | | | | |
| | | 48" | | | | 6 | | | | | | | |
| 0.0 | | | | | | 7 | | grades to med. dense. | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | SP-SM | Poorly Graded Sand w/ Silt (SP-SM), light yellowish brown (10YR 6/4) with yellow (10YR 7/8) mottling, loose, dry | - | - | - | 90 | 10/ |

Boring ID: SASV-DG-560 Project: Phase 3 DOE SVDG Sheet 2 of 2

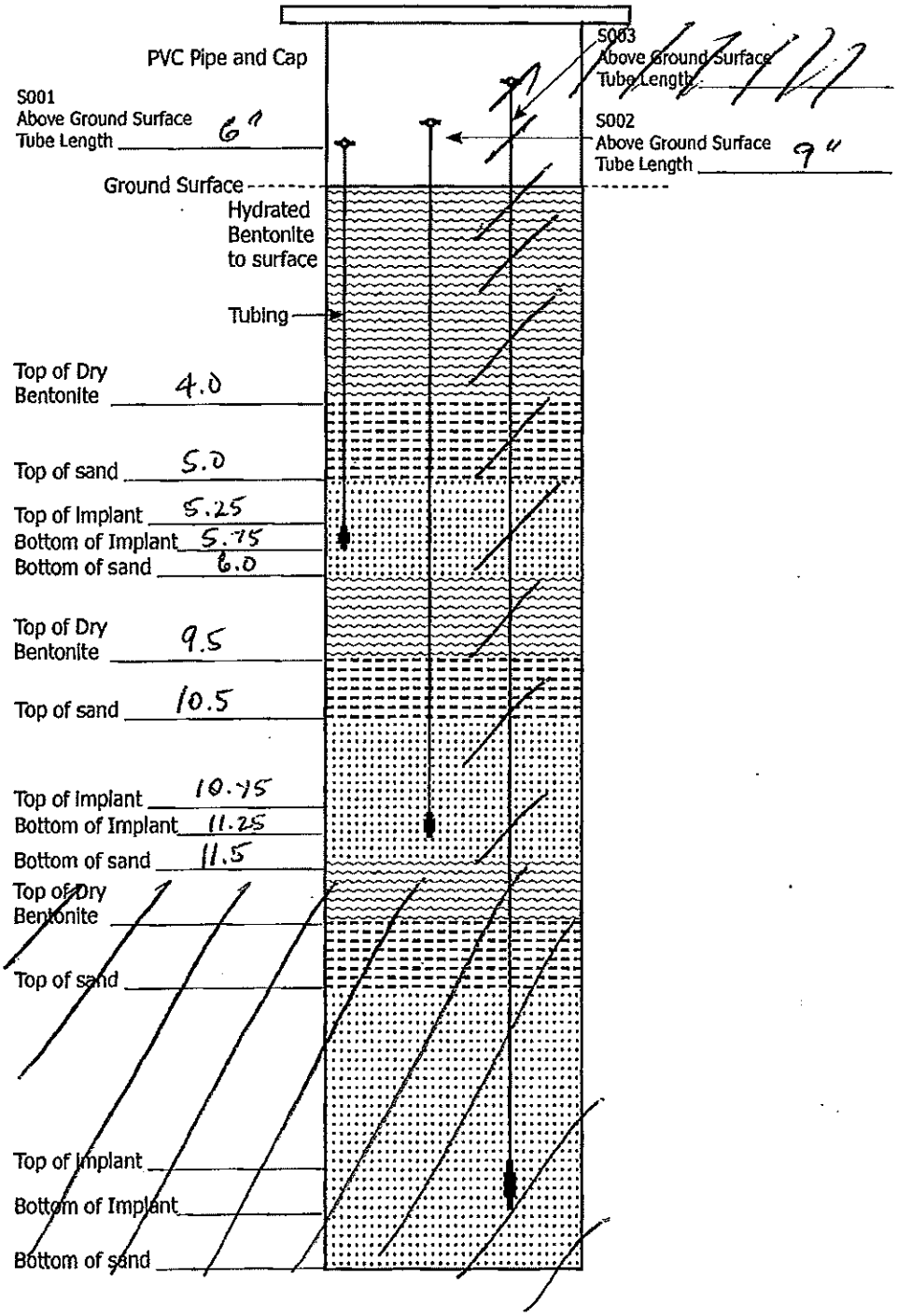
| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SP-SM | fine sand, non-plastic silt, moderate dilatency, non-cohesive, native soil | | | | | |
| 0.0 | X | | | | | 11 | | | | | | | |
| | | | | | | 12 | Br | Sandstone, weathered | | | | | |
| | | | | | | 13 | | | | | | | |
| | | | | | | 14 | | TD = 11.5. Refusal on bedrock, install probes at 5.0-6.0, and 10.5-11.5 | | | | | |
| | | | | | | 15 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |
| | | | | | | 0 | | | | | | | |
| | | | | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

# Multiple Soil Vapor Probe Construction Diagram



Probe ID/Soil ID: SASV-DG-560 | Project: Phase 3 SCE SV DG | Job #: 10503982
Site: SA SA | Logged by: V. Vathanasin | Reviewed by:
Drilling Contractor: EST | Driller: Morgan Hughes | Rig Type/Method: Geoprobe 5400 / DP
Borehole TD: 11.5 | Borehole Diameter: 0.25 | Probe Completion Date/Time: 1515 / 10-4-




**Vapor Implant Specs**
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

**Tubing Specs**
Material: Teflon
Diameter: 1/4"
Color: clear

**Sand Pack Specs**
Grain Size: #3
Manufacturer: Cemex

**Dry Bentonite**
Type: #8
Manufacturer: Cetco

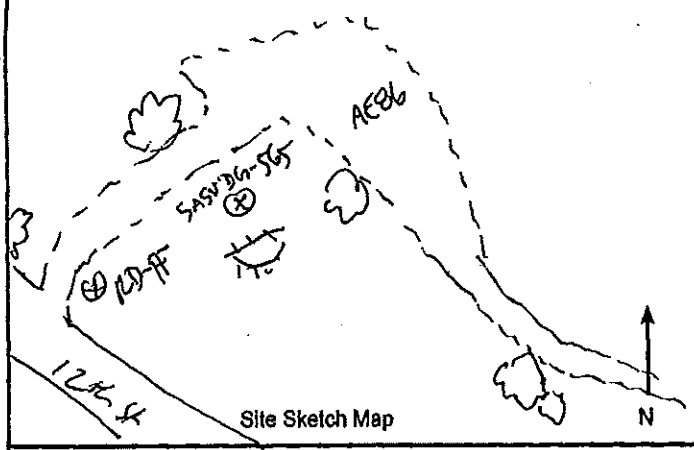
**Hydrated Bentonite**
Type: #8
Manufacturer: CETCO

**Notes:**

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

MWH



Site Sketch Map

Boring ID: SASV DG-565 Sheet 1 of 2

Project: Phase 3 DOE SVDG 2014

Job #: 105023982.3060106 Site: SA

Logged By: Rob Ellis Reviewed By:

Drilling Contractor: EST Drillers Name: MARTY KILHOUFER

Drill Rig Type/Method: Geoprobe 5400

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft bgs): 13.0'

Drill Bit Type: Macrocore

Drill Start Time/Date: 14:00 04 JUN 14 Drill Finish Time/Date: 14:35 04 JUN 14

Soil Vapor ID: SASV DG-565

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 04 JUN 14 14:50, 14:48 (shallow, deep)

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 5.0'-6.0' ; 12.0'-13.0'

Surface Completion: SV. Probe

Soil Vapor Well Detail Completed (yes/no) Sealed

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description: 1) Soil Type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 ppm | | 48" | | | | 0 | | 0.0 - 5.0 | | | | | |
| | | | | | | 1 | | Silty sand (SM), brown (10YR 4/3) very loose to loose, dry. Mostly fine sand (55), some silt (30), little medium sand (15), trace coarse sand. | - | TR | 15 | 55 | 30 |
| | | | | | | 2 | SM | | | | | | |
| | | | | | | 3 | | Sand lense (1") @ ~1.0' bgs. No stain, no odor. Fill material | | | | | |
| | | 36" | 48" | | | 4 | | 5.0 - 9.0' | | | | | |
| 0.0 ppm | | | | | | 5 | | ~~SM~~ Poorly graded sand w/ silt (SP-SM), yellowish brown (10YR 5/6) loose, dry. Mostly fine sand (70), little silt (20), ~~fat~~ few med sand (10), | - | - | 10 | 70 | 20 |
| | | | | | | 6 | | mottled throughout; oxide stain; | | | | | |
| | | | | | | 7 | SP-SM | yellowish brown (10YR 5/8). No stain no odor. Fill. 9.0 - 13.0 | | | | | |
| 0.0 ppm | | 48" | | | | 8 | | Same as above, gradational lightening to (10YR 7/4) very | - | - | ~ | 80 | 20 |
| | | | | | | 9 | SM | pale brown. No stain, no odor. Most likely native | | | | | |

QA/QC

Surficial media boring log rev 2-25-2014

Boring ID: SASV DH-565 Project: Phase 3 DOE SVDH 2014 Sheet 2 of 2

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 10 | SP SM | TD = 13.0' bgs refusal on sandstone bedrock | | | | | |
| 0.0 ppm | | 12" | | | | 12 | | 2 probes set | | | | | |
| | | | | | | 13 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |
| | | | | | | 0 | | | | | | | |
| | | | | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

MWH

# Multiple Soil Vapor Probe Construction Diagram

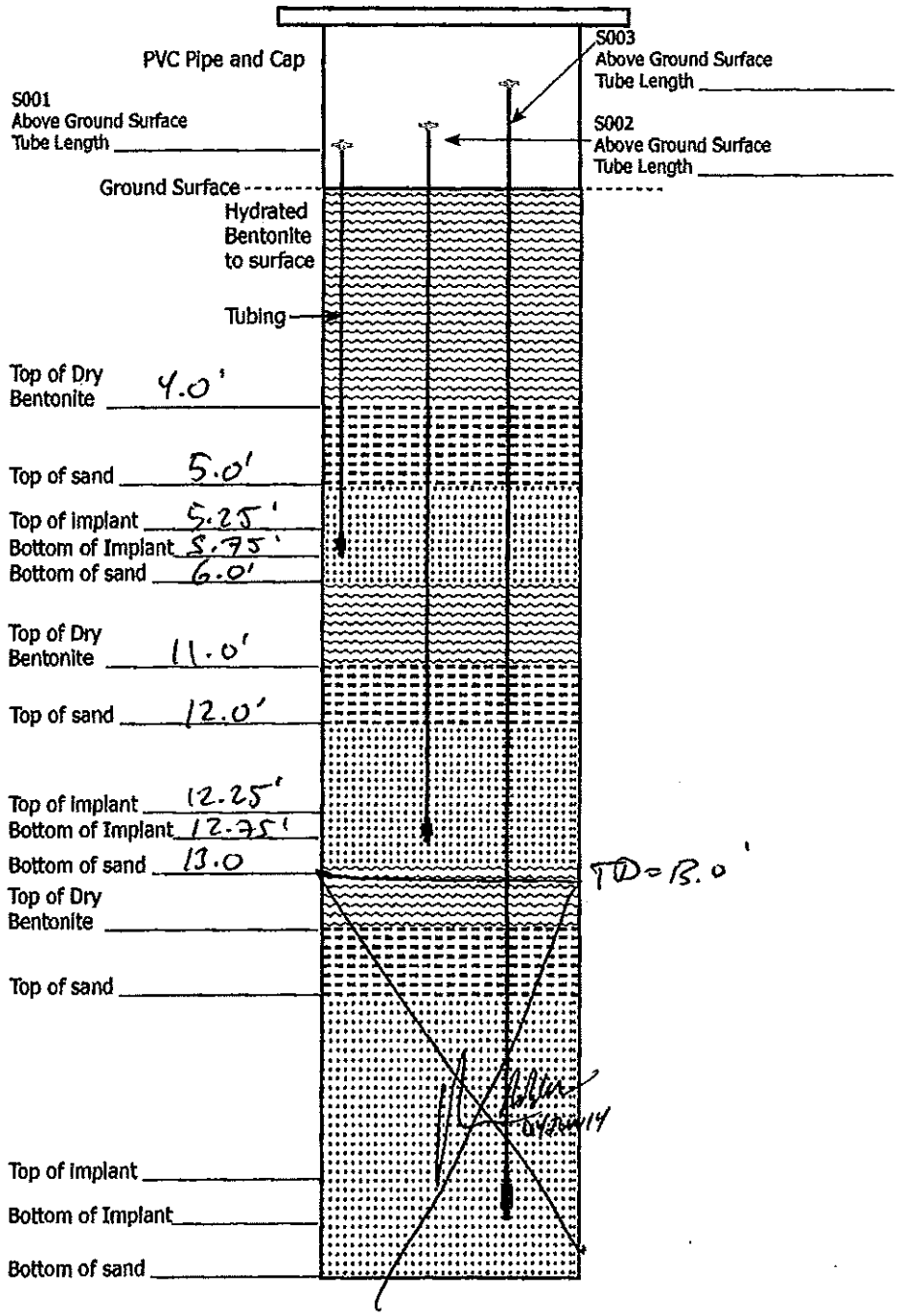


Probe ID/Soil ID: SASV DH-565
Site: SA
Drilling Contractor: EST
Borehole TD: 13.0' bgs

Project: Phase 3 DOE Data Gap Sampling 2014
Logged by: RUB ELLIS
Driller: MARTY KUHLEN
Borehole Diameter: 2.25"

Job #: 10503982.3050105/10503982.3060105
Reviewed by:
Rig Type/Method: Geoprobe 5400
Probe Completion Date/Time: 04JUN14

5.0-6.0 @ 14:50
12.0-13.0 @ 14:48




**Vapor Implant Specs**
Material: Stainless steel
Length: 6"
Diameter: 3/8"

**Tubing Specs**
Material: teflon
Diameter: 1/4"
Color: clear

**Sand Pack Specs**
Grain Size: #3 sand
Manufacturer: Cemex

**Dry Bentonite**
Type: #8 crumbles
Manufacturer: Cetco

**Hydrated Bentonite**
Type: #8 crumbles
Manufacturer: Cetco

**Notes:**
1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

MWH

Boring ID: SASV DG-568 Sheet 1 of

Project: Phase 3 DOC SVDG 2014

Job #: 10503892.3060106 Site: SA

Logged By: Ross Ellis Reviewed By:

Drilling Contractor: EST Drillers Name: Andy McMullen

Drill Rig Type/Method: Geoprobe 5400

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft bgs): 7.0'

Drill Bit Type: Macrocore

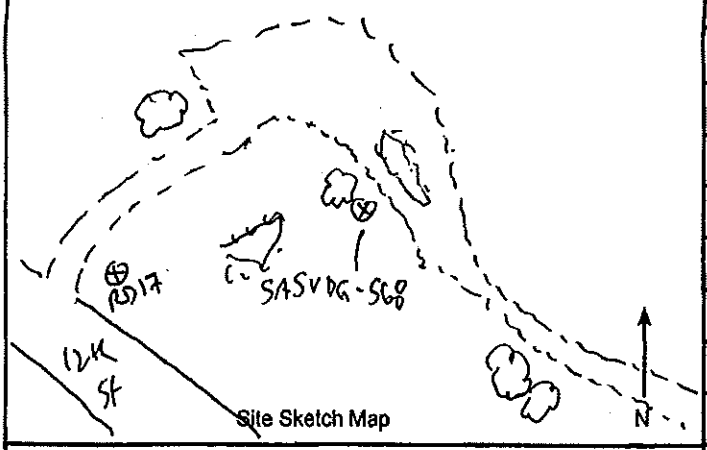
Drill Start Time/Date: 04JUN14 12:44 Drill Finish Time/Date: 04JUN14 13:01

Soil Boring Backfill Time/Date: NA Backfill Material: N/A

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Surface Completion: SV. Probe

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None



Site Sketch Map

Soil Vapor ID: SASV DG-568

Soil Vapor Well Completion Time/Date: 04JUN14, 13:15

Soil Vapor Probe Depths (ft.bgs): 6.0'-7.0'

Soil Vapor Well Detail Completed (yes/no) attached

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Surface Description: Hardwood/mulch, Pkt | | | | | |
| 0.0 ppm | | 48" | | | | 0 | fill | 0.0 - 1.7 | | | | | |
| | | | | | | 1 | SM | Silty sand (SM). Brown (10YR4/3) — | — | 15 | 55 | 30 | |
| | | | | | | | | very loose, dry. Mostly fine sand (55) | | | | | |
| | | | | | | 2 | | some silt (30) little med sand (15). | | | | | |
| | | | | | | | | No stain, no odor, fill. | | | | | |
| | | | | | | | SM | 1.7 - 4.4 | | | | | |
| | | | | | | 3 | | Silty sand (SM) light yellow- | TR | 10 | 55 | 35 | |
| | | | | | | | | brown (10YR6/4), loose, | | | | | |
| 0.0 ppm | | 36" | | | | 4 | | dry. Mostly fine sand (55). | | | | | |
| | | | | | | | | some silt (35), few coarse (10). | | | | | |
| | | | | | | 5 | SP | No stain, no odor, fill. | | | | | |
| | | | | | | | | 4.4 - 6.5 | | | | | |
| | | | | | | 6 | | Poorly graded sand (SP). Yellow- | ~5% | 15 | 75 | 10 | |
| | | | | | | | | brown (10YR5/4). Mostly fine sand | | | | | |
| | | | | | | TD= | | (75) little medium sand (15), few | | | | | |
| set probe on 3rd step - out (W) of location. | | | | | | 7 | | silt (10), * upper section 4.4-5.0 | | | | | |
| TD = 7.0' w/ refusal on sandstone bedrock | | | | | | | | has 25% coarse sand/small gravel. | | | | | |
| | | | | | | 8 | | 6.5 - 7.0 | | | | | 10 |
| | | | | | | | | Poorly graded sand (SP). Yellowish | - | — | 15 | 75 | 10 |
| | | | | | | 9 | | brown (10YR5/6) / very dark brown | (5%) | - | 40 | 60 | |
| | | | | | | | | (10YR2/2). Sample to split | | | | | |

QA/QC

Surficial media boring log rev 2-25-2014

MWH

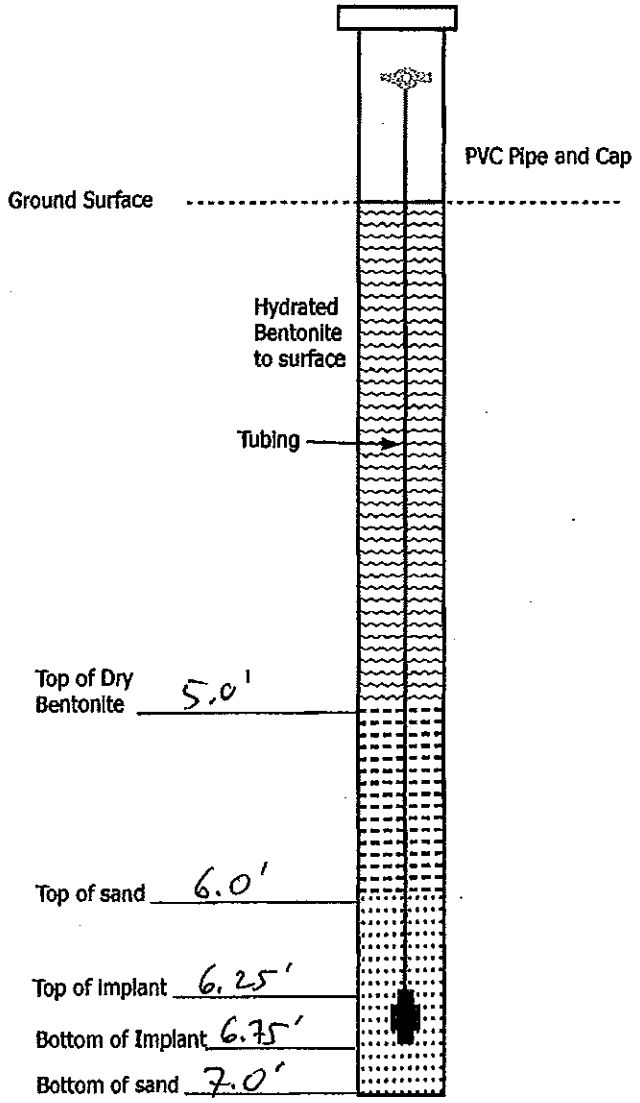
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASVP06-568 Job #: 10503982.3050106/10503982.3060106 Project: Phase 3 DOE Data Gap Sampling 2014

Site: SA Reviewed by: _____ Logged by: [illegible] ELLIS

Drilling Contractor: EST Rig Type/Method: Geoprobe 5400 Driller: [illegible] KILPATRICK

Borehole TD: 7.0' bgs Probe Completion Date/Time: 04JUN14, 13:15 Borehole Diameter: 2.25"




**Vapor Implant Specs**

Material: stainless steel

Length: 6"

Diameter: 3/8"

**Tubing Specs**

Material: teflon

Diameter: 1/4"

Color: clear

**Sand Pack Specs**

Grain Size: #3 sand

Manufacturer: Cemex

**Dry Bentonite**

Type: #8 crumbles

Manufacturer: Cetco

**Hydrated Bentonite**

Type: #8 crumbles

Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH

| | | | |
|---|---|---|---|
| Boring ID: SASV-DG-570 | Sheet 1 | of 1 | |
| Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014 | | | |
| Job #: 10503982.3050105/ 10503982.3060105 | Site: SA | | |
| Logged By: V. Vathanasin | Reviewed By: | | |
| Drilling Contractor: EST | Drillers Name: Morgan Hughes | | |
| Drill Rig Type/Method: Geoprobe 5400 / DP | | | |
| Sampler Type: Macrocore | | | |
| Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 8.0 | | |
| Drill Bit Type: Macrocore | | | |
| Drill Start Time/Date: 1345/6-4-14 | Drill Finish Time/Date: 1405/6-4-14 | | |
| Soil Boring Backfill Time/Date: N/A | Backfill Material: N/A | | |
| Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None | | | |
| Surface Completion: Soil vapor probe | | | |
| Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None | | | |

Site Sketch Map — N

Soil Vapor ID: SA SV-DG-570 (V.V.)

Soil Vapor Well Completion Time/Date: ~~1430~~ 1410 / 6-4-14

Soil Vapor Probe Depths (ft.bgs): 7.0-8.0

Soil Vapor Well Detail Completed (yes/no)

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | * Moved location 3' NE. Geoprobe could not be set up on "hummock" | – | – | – | 55 | 45 |
| | | 36" | NONE | | | 1 | | Silty Sand (SM), dark yellowish brown (10YR 3/4), loose, dry, fine sand, non plastic silt, roots upper 6", no odors, fill | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | @1.5, color lightens to dark (10YR 4/4) yellowish brown | | | | | |
| | | 24" | NONE | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | | @6' becomes very slightly cemented, fill | | | | | |
| | | 24" | NONE | | | 7 | | | | | | | |
| | | | | | | 8 | SP | Poorly Graded Sand (SP), yellowish brown (10YR 5/6), loose, dry, fine sand, friable, no odors or stains, native soil. | – | – | – | 100 | – |
| | | | | | | 9 | BR | @8.0 Sandstone, weathered | | | | | |

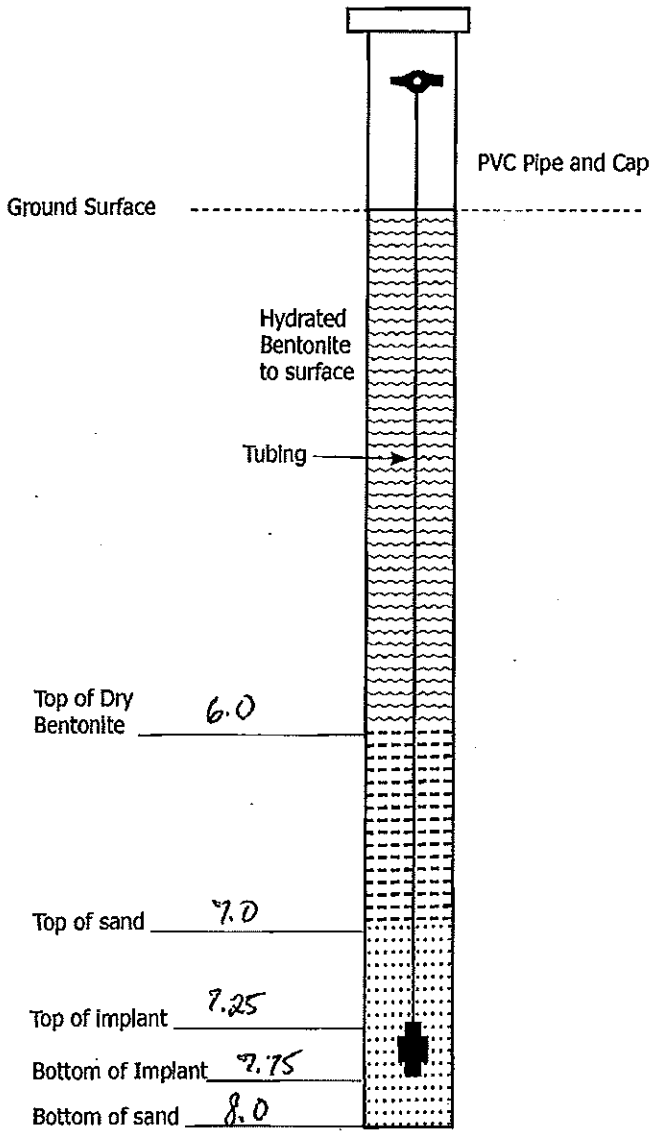
Soil Description
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: * Backfill Slope

MWH

# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV-DG-570
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 2
Site: SA 5A
Reviewed by:
Logged by: V. Vathanasri
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400/DP
Driller: Morgan Hughes
Borehole TD: ~~2.25~~ (n.t.) 8.0
Probe Completion Date/Time: ~~1430~~ (n.t.) 1410 / 6-4-14
Borehole Diameter: 2.25"




Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

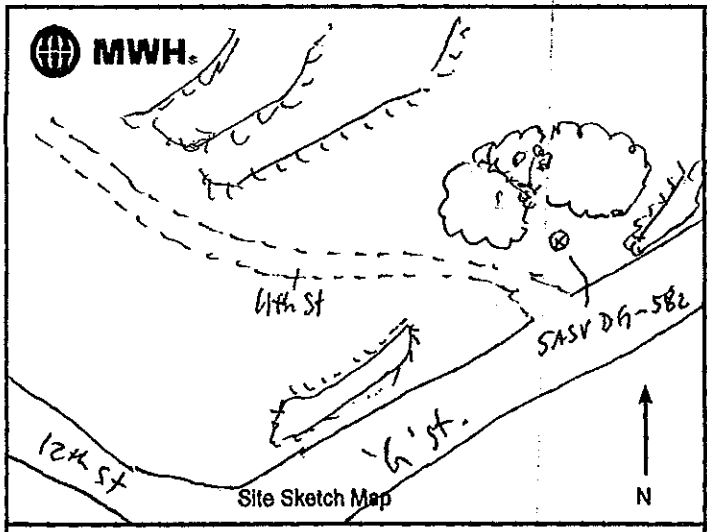
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH



Site Sketch Map

Boring ID: SASV DG-582 Sheet 1 of 1

Project: Phase 3 DOE SVDG 2014

Job #: 10503782, 3060106 Site: SA

Logged By: RBCollins Reviewed By:

Drilling Contractor: EST Drillers Name: MARK KILLINGER

Drill Rig Type/Method: Geoprobe 5400

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft bgs): 6.0'

Drill Bit Type: Macrocore

Drill Start Time/Date: 10:13 04 JUN 14 Drill Finish Time/Date: 10:16 04 JUN 14

Soil Vapor ID: SASV DG-582

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 04 JUN 14, 10:30

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 5.0 - 6.0'

Surface Completion: SV Probe

Soil Vapor Well Detail Completed (yes/no) attached

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description: 1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations<br>Surface Description: | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 ppm | | 48" | | | | 0 | | 0-4.5 | | | | | |
| | | | | | | 1 | SM | Silty sand (SM), brown (10YR 4/3) - very loose and dry from 0-1.5' with color change 1.5-4.5 dark yellowish brown (10YR 4/4). | - | - | 5 | 60 | 35 |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| 00 ppm | | 24" | | | | 5 | | 4.5-6.0 | | | | | |
| | | | | | | | SM | Silty sand (SM), dark yellowish brown (10YR 4/4). loose, dry. Mostly fine sand (60), some silt (30), few medium sand (10). No stain, no odor. Fill material. Roots throughout; minor oxidation mottles. | | | 10 | 60 | 30 |
| | | | | | TD | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

• Confirm bedrock refusal 3' (SW)

TD=6.0' on sandstone bedrock. Hard; bottle left in shoe.

MWH

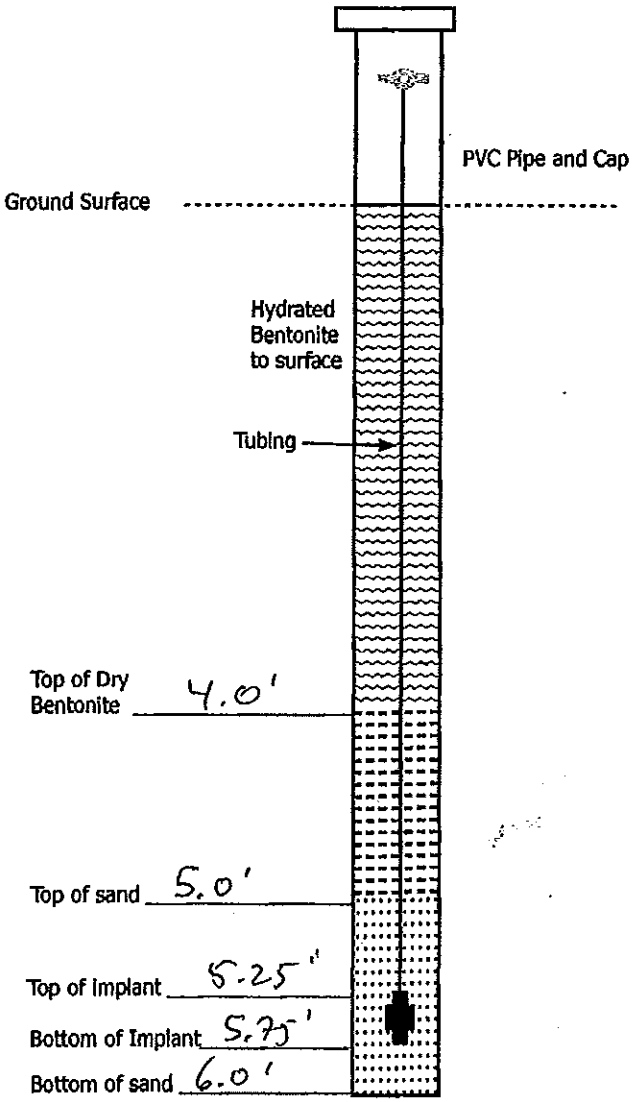
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV DG-582 Job #: 10503982.3050106/10503982.3080106 Project: Phase 3 DOE Data Gap Sampling 20

Site: SA Reviewed by: _____ Logged by: RGB Sees

Drilling Contractor: EST Rig Type/Method: Geoprobe 5400 Driller: MARTY KILMARTIN

Borehole TD: 6.0' bgs Probe Completion Date/Time: 09DW14, 10:30 Borehole Diameter: 2.25"




**Vapor Implant Specs**

Material: stainless steel

Length: 6"

Diameter: 3/8"

**Tubing Specs**

Material: teflon

Diameter: 1/4"

Color: clear

**Sand Pack Specs**

Grain Size: #3 sand

Manufacturer: Cemex

**Dry Bentonite**

Type: #8 crumbles

Manufacturer: Cetco

**Hydrated Bentonite**

Type: #8 crumbles

Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH

Boring ID: SSV-DA-592 Sheet 1 of 1

Project: Phase 3 DOE Data Gap Sampling 2014

Job #: 10503982.3050106 / 10503982.3060106 Site: SA

Logged By: ANDREW BRYANT Reviewed By:

Drilling Contractor: Drillers Name: MARTIN KILLINGER

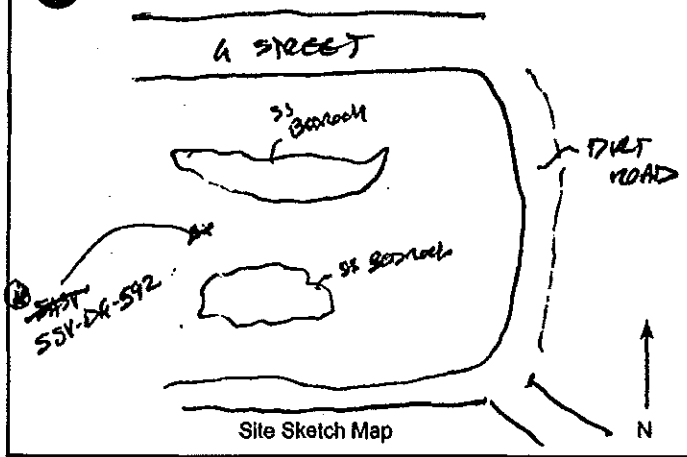
Drill Rig Type/Method: GEOPROBE 8150 / DP

Sampler Type: MACROCORE

Borehole Diam (inch): 2.25 Total Depth (ft bgs):

Drill Bit Type: MACROCORE

Drill Start Time/Date: 6/6/14 1130 Drill Finish Time/Date: 6/6/14 1140



Site Sketch Map

Soil Vapor ID: SSV-DA-592

Soil Vapor Well Completion Time/Date: 6/6/14 1145

Soil Vapor Probe Depths (ft.bgs): 5-6

Soil Vapor Well Detail Completed (yes/no)

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Surface Completion: SOIL VAPOR PROBE

Type of Refusal: WEATHERED SS.
☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Surface Description: GRASSES, CAN ECARDS & TREES NEAR LOC.; BEDROCK @ 45. SILTY SAND (SM), DRY, LOOSE, BROWN (10YR 4/3) FINE TO MEDIUM SAND, MEDIUM DENSE FROM | — | — | 10 | 65 | 25 |
| | | | | | | 1 | | | | | | | |
| 0.0 | | 40" | — | N/A | — | 2 | | 1'-4' BGS; BECOMES DK YELLOWISH BROWN (10YR 4/6) BETWEEN 2-4' BGS; ROOTS @ 1'; FILL MATERIAL | — | — | 15 | 65 | 20 |
| | | | | WMK | | 3 | | | | | | | |
| | | | | | | 4 | | SAND W/ SILT (SP-SM), DRY, LIGHT YELLOWISH | | | | | |
| | | | | | | | SP-SM | (10YR 6/4), LOOSE, POOR. FINE SAND W/ | | | 25 | 60 | 15 |
| | | | | | | 5 | | MEDIUM SAND, ~15% FINES, NATIVE/ALLUVIUM | | | | | |
| | | | | | | | SP | SAND (SP), DRY, LIGHT YELLOWISH BROWN (10YR | | | 15 | 80 | 5 |
| 0.0 | | 36" | — | N/A | — | 6 | | 6/4), LOOSE, FINE TO MEDIUM SAND, TRACE | | | | | |
| | | | | WMK | | | | RELEASE WEATHERED SS; NATIVE ALLUVIUM | | | | | |
| | | | | | | 7 | | TD = 6'; REFUSAL ON WEATHERED SS BEDROCK; SV PROBE @ 5-6' | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

MWH

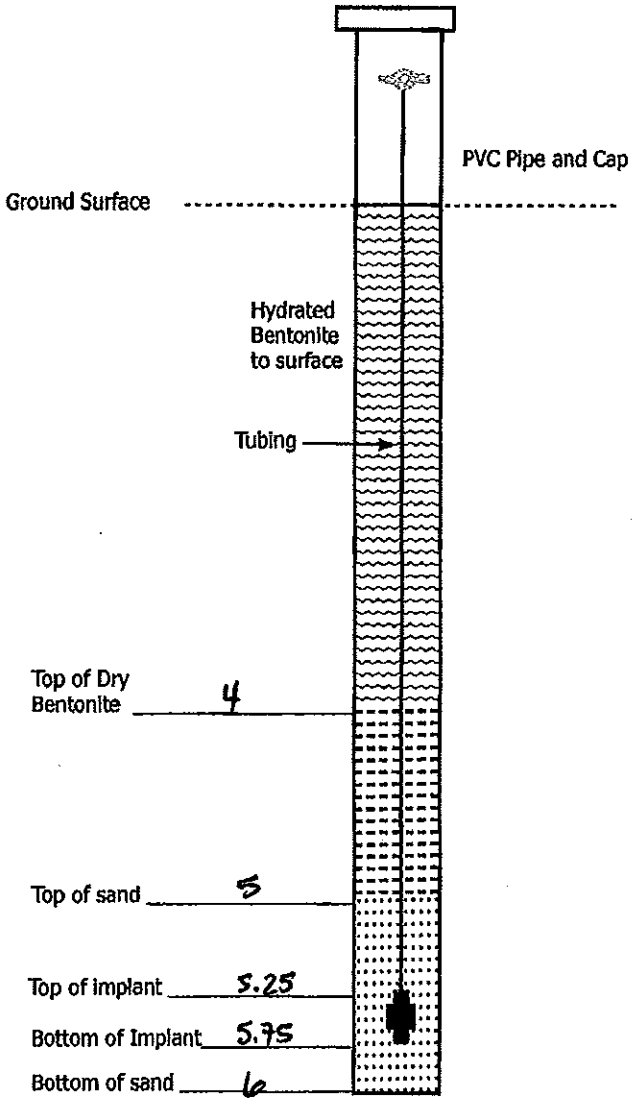
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SSV-DA-592 | Job #: 10503982.3050106/10503982.3060106 | Project: Phase 3 DOE Data Gap Sampling 201

Site: 3A | Reviewed by: | Logged by: ANDREW PAYNE

Drilling Contractor: EST | Rig Type/Method: GEOPROBE 5400/DP | Driller: MARTIN ~~CHAMBERLAIN~~ KILHULLEN

Borehole TD: 6' | Probe Completion Date/Time: 6/6/14 1145 | Borehole Diameter: 2.25"




**Vapor Implant Specs**

Material: STAINLESS STEEL

Length: 6"

Diameter: 3/8"

**Tubing Specs**

Material: TEFLON

Diameter: 1/4"

Color: CLEAR

**Sand Pack Specs**

Grain Size: #3

Manufacturer: CEMEX

**Dry Bentonite**

Type: #8

Manufacturer: CETCO

**Hydrated Bentonite**

Type: #8

Manufacturer: CETCO

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH

Boring ID: SSV-DA-595 Sheet 1 of 1

Project: Phase 3 DOE Data Gap Sampling 2014

Job #: 10503982.3050106 / 10503982.3060106 Site: 5A

Logged By: AARON AYNE Reviewed By:

Drilling Contractor: EST Drillers Name: MARTIN KILHULLEN

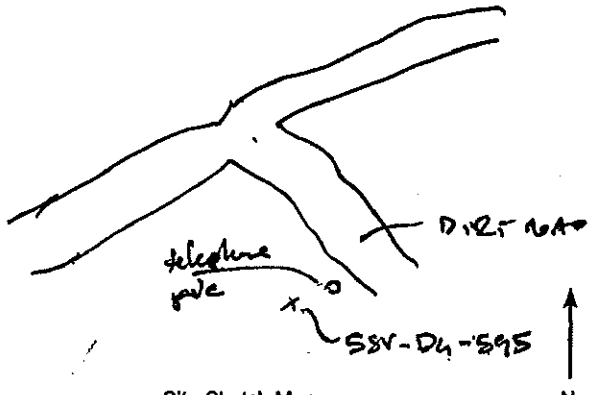
Drill Rig Type/Method: HAND AUGER

Sampler Type: HAND AUGER

Borehole Diam (inch): 3.25" Total Depth (ft bgs): 6'

Drill Bit Type: HAND AUGER

Drill Start Time/Date: 6/6/14 1255 Drill Finish Time/Date: 6/6/14 1310



Site Sketch Map

Soil Vapor ID: SSV-DA-595

Soil Boring Backfill Time/Date: Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 6/6/14 1315

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 5-6

Surface Completion: SOIL VAPOR PROBE

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: WEATHERED SS BR. ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description: 1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations — Surface Description: | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | SILTY SAND (SM), DRY, LOOSE, BROWN (10YR 4/3) TO YELLOWISH BROWN (10YR 5/4), FINE TO MEDIUM SD, TRACE LEAD, SUBANG TO SUBROUNDED, TRACE GRAVEL < 1/2" DIA (SMALL); FILL MATERIAL | TRACE | 5 | 15 | 55 | 25 |
| | | | | | | 1 | | | | | | | |
| 0.0 | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | TD = 6' REFUSAL ON SS BEDROCK/WEATHERED SV PROBE INSTALLED 5-6' | | | | | |
| 0.0 | | | | | | 5 | | 0.0 PPM ON PID | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

MWH

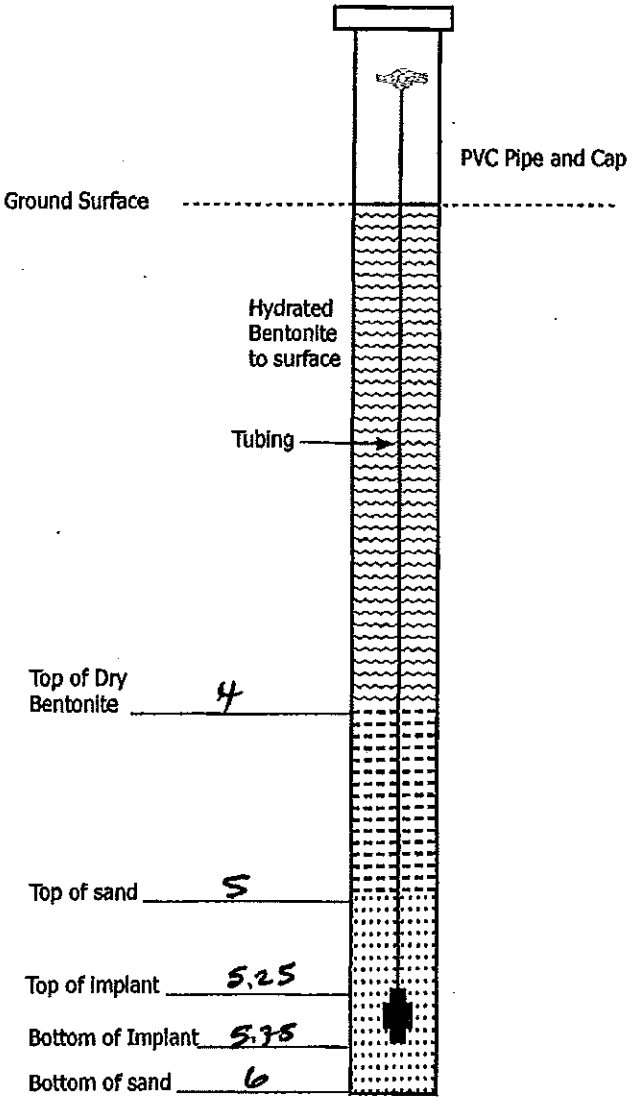
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SSV - DA - SS5 | Job #: 10503982.3050106/10503982.3060106 | Project: Phase 3 DOE Data Gap Sampling 20

Site: SA | Reviewed by: | Logged by: ANDREW DYNES

Drilling Contractor: EST | Rig Type/Method: HANDAUGER | Driller: MARTIN KILLMEN

Borehole TD: 6' | Probe Completion Date/Time: 6/6/14 1315 | Borehole Diameter: 3.25"




**Vapor Implant Specs**

Material: STAINLESS STEEL

Length: 6"

Diameter: 3/8"

**Tubing Specs**

Material: TEFLON

Diameter: 1/4"

Color: CLEAR

**Sand Pack Specs**

Grain Size: # 3

Manufacturer: CEMEX

**Dry Bentonite**

Type: # 8

Manufacturer: CETCO

**Hydrated Bentonite**

Type: # 8

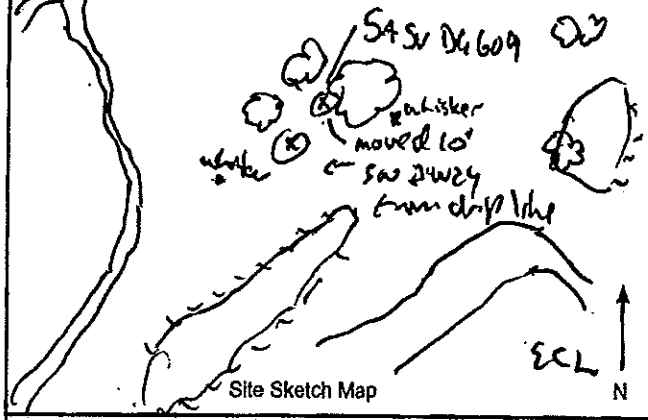
Manufacturer: CETCO

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH



Site Sketch Map

Boring ID: SASV DG-609 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: SA

Logged By: MMSmith Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 8.0'

Drill Bit Type: Macrocore

Drill Start Time/Date: 09 JUN 14 @ 8:20 Drill Finish Time/Date: 09 JUN 14 08:34

Soil Boring Backfill Time/Date: NA Backfill Material: NA

Soil Vapor ID: SASV_DG-609

Soil Vapor Well Completion Time/Date: 09JUN14; 08:50

Soil Vapor Probe Depths (ft.bgs): 7.0-8.0'

Soil Vapor Well Detail Completed (Yes/no) attached

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Surface Completion: SV Probe

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description: 1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations. Surface Description: | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 ppm | | 46" | | | | 0 | SM | 0.0 - 1.5' Silty sand (sm), brown (10YR 4/3) loose, dry. Mostly fine sand (55), some silt (35), few med sand (10). No stain, no odor. Fill material. Fine roots throughout. up to occasional root ~1cm. | | | 10 | 55 | 35 |
| | | | | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | SP | | | | | | |
| | | | | | | 4 | | 1.5 - 4.1 Poorly sorted sand (SP). Dark yellow brown (10YR 4/4). loose, dry. Mostly fine sand (80%), few silt, med sand (10% each), trace coarse sand. No stain, no odor. Fill material | - | TR | 10 | 80 | 10 |
| 0.0 ppm | | 48" | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | 4.1 - 8.0 Silty Sand (SM) yellow brown (10YR 6/4). loose, dry. Mostly fine sand (60), some silt (30), med sand (10). No stain, no odor. Native. Color change to light yellow brown (10YR 6/4). | - | - | 10 | 60 | 30 |
| | | | | | | 8 | SM | | | | | | |
| | | | | | | 9 | | | | | | | |

TD = 8.0' bgs
w/ refusal on sandstone bedrock

QA/QC
Surficial media boring log rev 2-25-2014

MWH

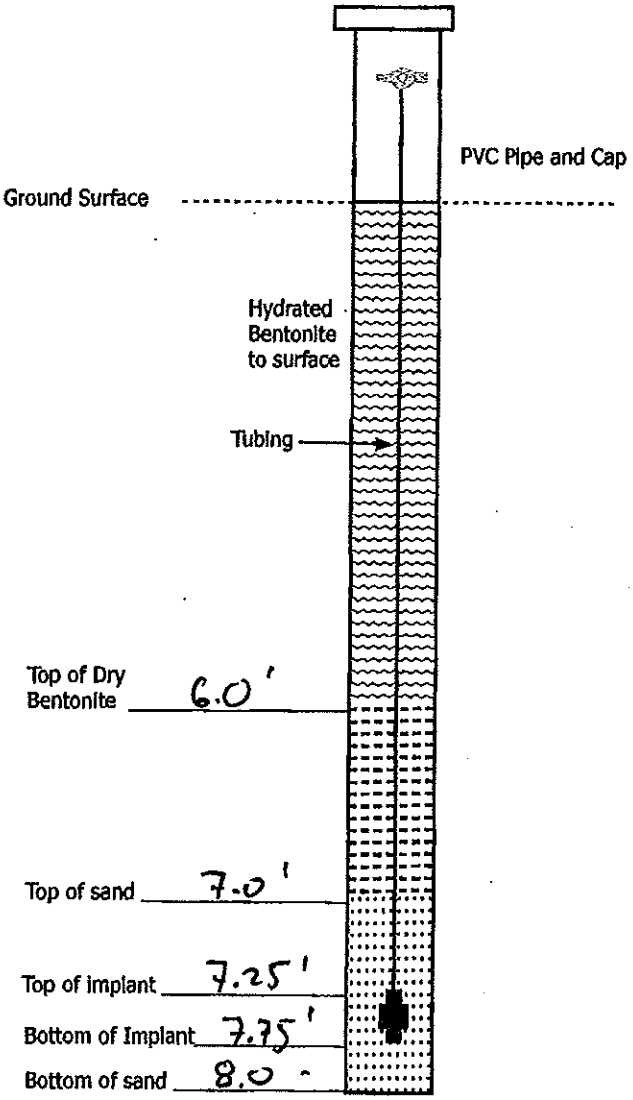
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASVDG-609 Job #: 10503982.3050106/10503982.3060106 Project: Phase 3 DOE Data Gap Sampling 20

Site: SASV Reviewed by: _____ Logged by: Russells

Drilling Contractor: EST Rig Type/Method: Geoprobe 5400 Driller: Morgan Hughes

Borehole TD: 8.0' bgs Probe Completion Date/Time: 09JUN14/0850 Borehole Diameter: 2.25"




**Vapor Implant Specs**

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

**Tubing Specs**

Material: teflon

Diameter: 1/4"

Color: clear

**Sand Pack Specs**

Grain Size: #3 Sand

Manufacturer: Comox

**Dry Bentonite**

Type: #8 crumbles

Manufacturer: Cetco

**Hydrated Bentonite**

Type: #8 crumbles

Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

Boring ID: SCSV-DG-505 Project: Phase 3 DOE SVDG Sheet 2 of 2

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations | | | | | |
| 0.0 | | 42" | NONE | | | 10 | | | | | | | |
| | | | | | | 11 | ML | Silt w/ Sand (ML), very dark yellowish brown (10YR 4/4), very stiff, dry, fr (V.V.) | - | - | - | 20 | 80 |
| | | | | | | 12 | SP-SM | low-plasticity silt, fine sand, no odors or stains, native soil, moderate silt cement | - | - | - | 90 | 10 |
| | | 42" | NONE | | | 13 | | SP-SM (V.V.) | | | | | |
| | | | | | | | | Poorly Graded Sand, (SP), pale brown (10YR 6/3), fine sand, non-plastic silt, friable, no odors or stains, native soil | | | | | |
| | | | | | | 14 | | | | | | | |
| | | | | | | 15 | SP | | | | | | |
| 0.0 | | 12" | NONE | | | | | @ 14' grades w/ low plasticity fines. | | | | | |
| | | | | | | 16 | SP | @ 15' grades w/o fines (Poorly Graded Sand) | - | - | - | 100 | - |
| | | | | | | | SP | | | | | | |
| | | | | | | 17 | | @ 16' Sandstone, weathered. | | | | | |
| | | | | | | 18 | | | | | | | |
| | | | | | | 19 | | | | | | | |
| | | | | | | | | (V.V.) | | | | | |
| | | | | | | 20 | | TD = 16.0'; refusal on bedrock, install | | | | | |
| | | | | | | 1 | | probes at 5.0-6.0, 10.0-11.0, 15.0-16.0 | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |



QA/QC
Soil/soil media boring log rev 2-25-2014

MWH

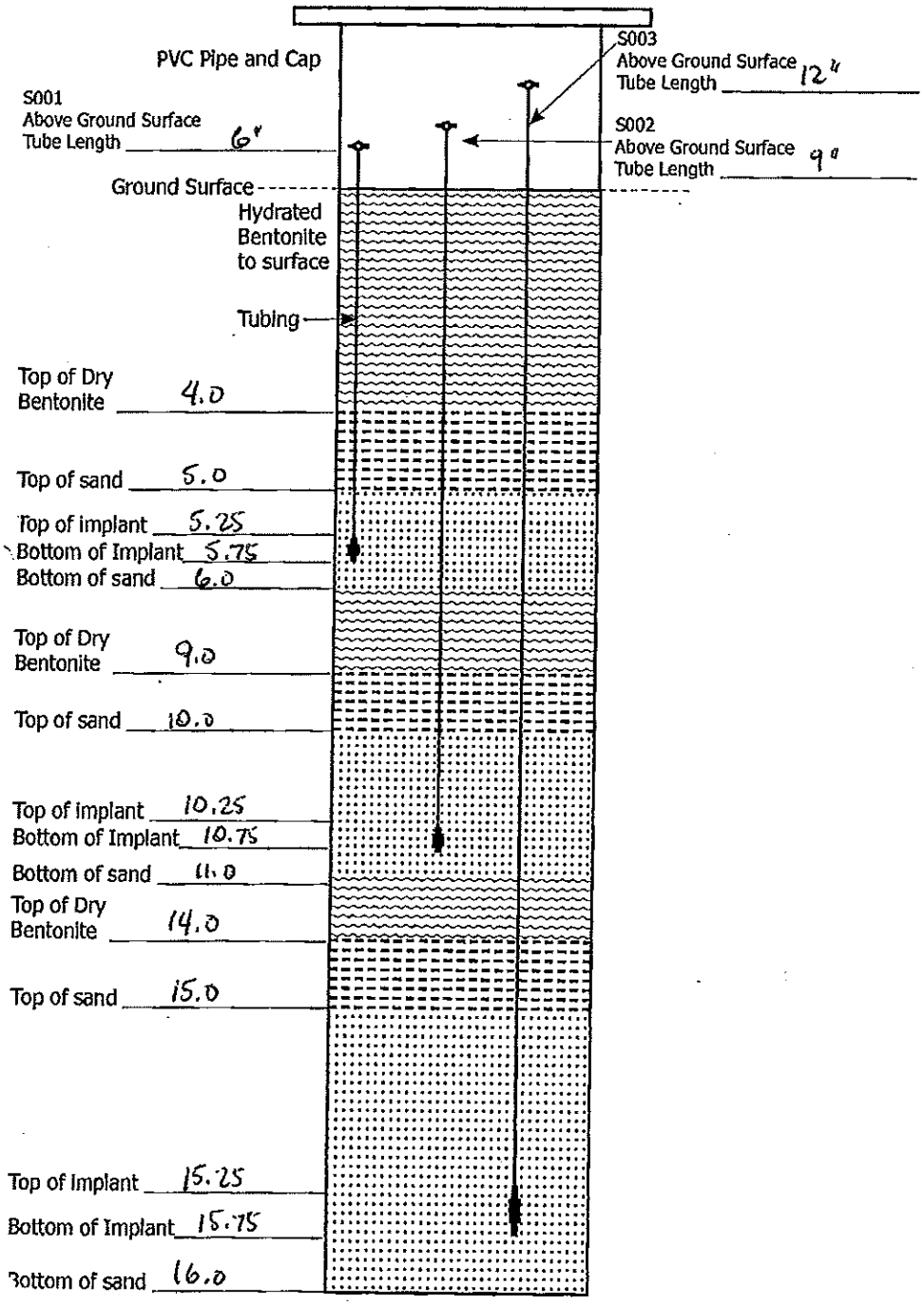
# Multiple Soil Vapor Probe Construction Diagram



Probe ID/Soil ID: SCSV-DG-505
Site: SA 5C
Drilling Contractor: EST
Borehole TD: 16.0

Project: Phase 3 DoE SVDG
Logged by: U. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 8.25"

Job #: 10503382
Reviewed by:
Rig Type/Method: Geoprobe 5400/DP
Probe Completion Date/Time: 1505/5-27-14




**Vapor Implant Specs**
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

**Tubing Specs**
Material: Teflon
Diameter: 1/4"
Color: Clear

**Sand Pack Specs**
Grain Size: #3
Manufacturer: Cemex

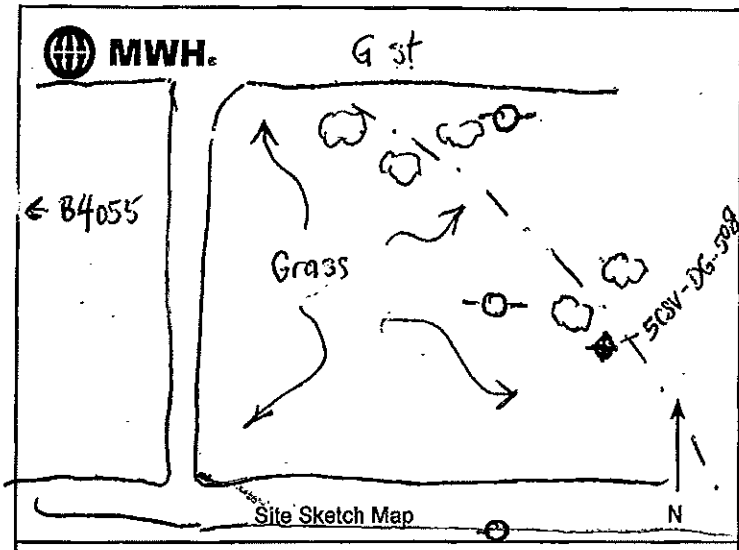
**Dry Bentonite**
Type: #8
Manufacturer: Cetco

**Hydrated Bentonite**
Type: #8
Manufacturer: Cetco

**Notes:**
1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

MWH



Site Sketch Map

| | |
|---|---|
| Boring ID: 5CSV-DG-508 | Sheet 1 of 1 |
| Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014 | |
| Job #: 10503982.3050105/ 10503982.3060105 | Site: SASC |
| Logged By: V. Vathanasin | Reviewed By: |
| Drilling Contractor: EST | Drillers Name: Morgan Hughes |
| Drill Rig Type/Method: Geoprobe 5400 / DP (V.V.) | |
| Sampler Type: Macrocore | |
| Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 9.25 |
| Drill Bit Type: Macrocore | |
| Drill Start Time/Date: 0754 / 5-28-14 | Drill Finish Time/Date: 0820 / 5-28-14 |
| Soil Boring Backfill Time/Date: N/A | Backfill Material: N/A |
| Soil Vapor ID: 5CSV-DG-508 | Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None |
| Soil Vapor Well Completion Time/Date: 0840 / 5-28-14 | Surface Completion: Soil vapor probe |
| Soil Vapor Probe Depths (ft.bgs): 8.25 - 9.25 | Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None |
| Soil Vapor Well Detail Completed (yes/no) | |

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Surface Description: Hummocky area, grass | | | | | |
| 28.4 | | 41" | NONE | | | 1 | | Silty Sand (SM), brown (10YR 4/3), ~~loose~~, dry, fine sand, non-plastic silt, roots down to 3", fine angular gravel, no odors or stains. fill | <5 | - | - | 65 | 30 |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | @1.9' color changes to yellowish brown (10YR 5/4), no roots or gravel | - | - | - | 65 | 35 |
| | | | | | | 4 | ML | Silt (ML), yellowish brown (10YR 5/6), stiff, dry, non-plastic silt, slightly layered, fill, no odors or staining. | - | - | - | - | 100 |
| | | 48" | NONE | | | 5 | | | | | | | |
| | | | | | | 6 | SM | Silty Sand (SM), yellowish brown (10YR 5/4), med. dense, dry, fine sand, non-plastic silt, ~~few~~ medium grained, sub angular sand, slight yellowish brown oxidation (10YR 5/8) (V.V.) | - | - | 10 | 60 | 90 |
| 15.1 | | 15" | NONE | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | Br | @9.25 Sandstone, weathered. TD = 9.25', refusal on bedrock. Install probe at 8.25-9.25 | | | | | |

MWH

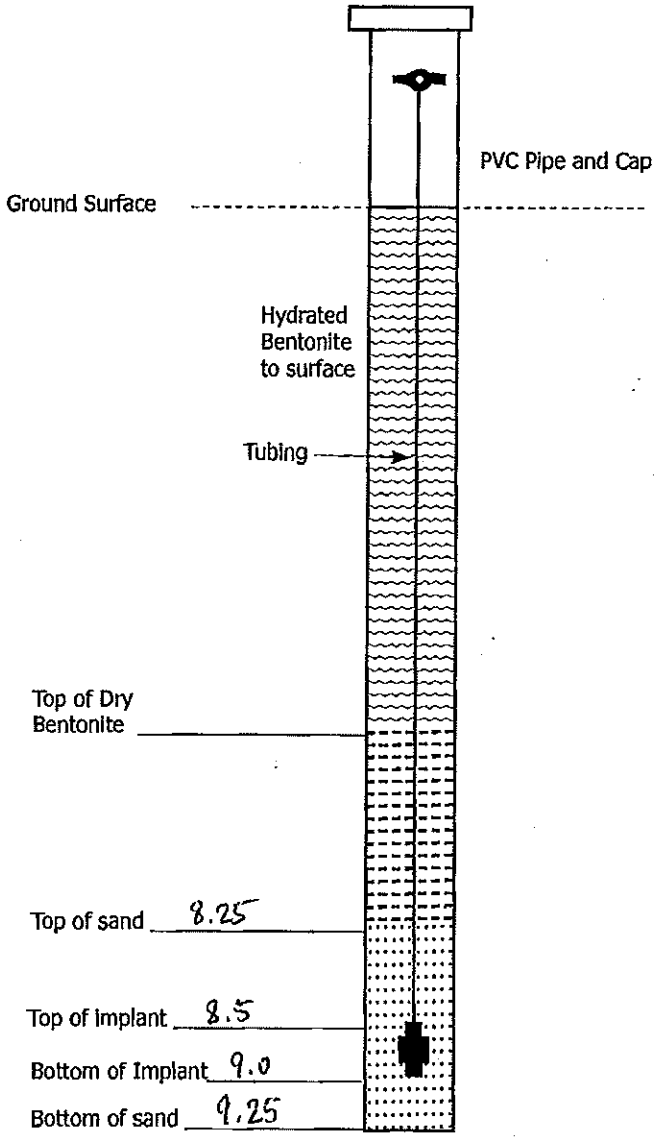
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SCSV-DG-508 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 2

Site: SASC | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400/DP | Driller: Morgan Hughes

Borehole TD: 9.25 | Probe Completion Date/Time: | Borehole Diameter: 2.25"




**Vapor Implant Specs**

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

**Tubing Specs**

Material: Teflon

Diameter: 1/4"

Color: Clear

**Sand Pack Specs**

Grain Size: #3

Manufacturer: Cemex

**Dry Bentonite**

Type: #8

Manufacturer: Cetco

**Hydrated Bentonite**

Type: #8

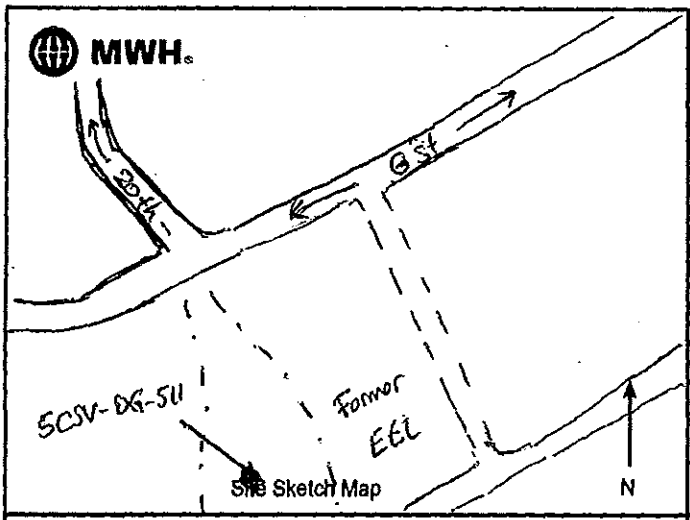
Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH



Site Sketch Map

Boring ID: SCSV-DG-511 Sheet 1 of 2

Project: Phase 3 DOE Data Gap Sampling 2014

Job #: 10503982.3050106 / 10503982.3060106 Site: SA 5C

Logged By: V. Vathanasri Reviewed By:

Drilling Contractor: EST Drillers Name: Marty Kilhullen

Drill Rig Type/Method: Hand auger

Sampler Type: Grab

Borehole Diam (inch): 3.25 Total Depth (ft bgs): 14.0

Drill Bit Type: Std. Hand auger bucket

Drill Start Time/Date: 0740 / 6-12-14 Drill Finish Time/Date: 0845 / 6-12-14

Soil Vapor ID: SCSV-DG-511

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 0905 / 6-12-14

Observations: ☒ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): 7.0-8.0, 13.0-14.0

Surface Completion: Soil vapor probes

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) | Gravel | Estimated % of Sand: Coarse | Medium | Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Surface Description: Mound of fill in bet. drainage<br>Silty Sand (SM), dark yellowish brown (10YR 4/4), loose, moist, fine sand, non-plastic silt, trace medium sand, fill, gravel debris (glz) | - | - | TR | 60 | 40/ |
| | | | | | | 1 | | | | | | | |
| | | | | | | 2 | CL | Silty Clay (CL), dark yellowish brown (10YR 4/4), med. stiff to soft, slightly moist, low to med. plasticity clay, no stains or odors, possibly native soil | - | - | - | - | 20/80 |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | @7' color changes to yellowish brown (10YR 5/4) | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | SM | Silty Sand (SM), yellowish brown (10YR 5/4), loose, dry, fine sand, low plastic silt, no odors, light non staining (brownish yellow to 10YR 6/8), native | - | - | - | 65 | 35/ |

(V.F.)

QA/QC

Surficial media boring log rev 2-25-2014

Boring ID: SGSV-DG-SIL Project: Phase 3 DOE SVDG Sheet 2 of 2

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 10 | | | | | | | |
| | | | | | | 11 | | | | | | | |
| | | | | | | 12 | | | | | | | |
| | | | | | | | | (V.V.) Graded | | | | | |
| | | | | | | 13 | SP-SM | Poorly Graded Sand w/ silt (SP-SM) light yellowish brown (10YR 6/4), loose, dry, fine sand, silt, no odors | – | – | – | 90 | 10/ |
| | | | | | | 14 | | | | | | | |
| | | | | | | | B | strong, native soil | | | | | |
| | | | | | | 15 | | | | | | | |
| | | | | | | | | Sandstone, weathered | | | | | |
| | | | | | | 16 | | | | | | | |
| | | | | | | 17 | | | | | | | |
| | | | | | | | | TD = 14.0, refusal on bedrock, install | | | | | |
| | | | | | | 18 | | vapor probes at 7.0-8.0 and 13.0-14.0. | | | | | |
| | | | | | | 19 | | No soil samples collected. | | | | | |
| | | | | | | 20 | | | | | | | |
| | | | | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

7-8, 13-14

MWH

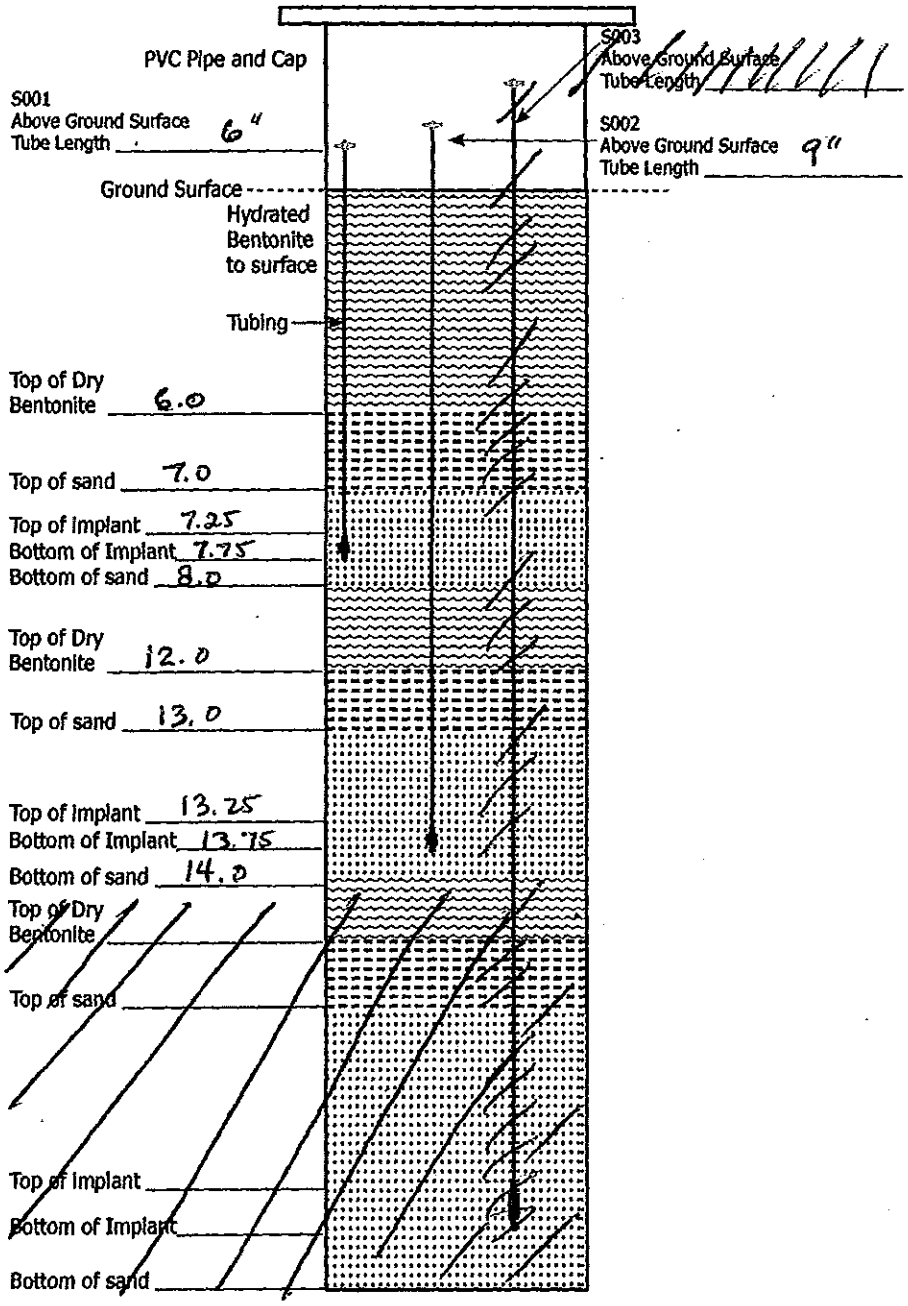
# Multiple Soil Vapor Probe Construction Diagram



Probe ID/Soil ID: SCSV-DG-511
Site: SC
Drilling Contractor: EST
Borehole TD: 14.0

Project: Phase 3 DOE Data Gap Sampling 2014
Logged by: V. Vathanasin
Driller: Marty D'Kilhullen
Borehole Diameter: 3.25"

Job #: 10503982.3050105/10503982.3060105
Reviewed by:
Rig Type/Method: Hand auger
Probe Completion Date/Time: 0905 / 6-12-14




**Vapor Implant Specs**
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

**Tubing Specs**
Material: Teflon
Diameter: 1/4"
Color: Clear

**Sand Pack Specs**
Grain Size: #3
Manufacturer: Cemex

**Dry Bentonite**
Type: #8
Manufacturer: Cetco

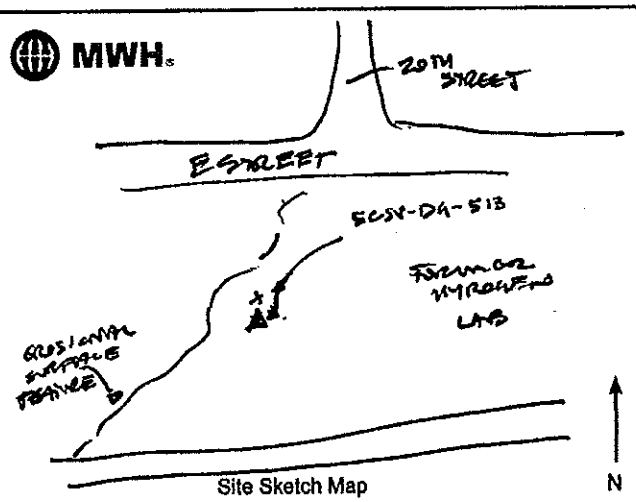
**Hydrated Bentonite**
Type: #8
Manufacturer: Cetco

**Notes:**

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

MWH



Site Sketch Map

| | | | |
|---|---|---|---|
| Boring ID: SCSV-DH-513 | Sheet 1 | of 1 | |
| Project: Phase 3 DOE Data Gap Sampling 2014 | | | |
| Job #: 10503982.3050106 / 10503982.3060106 | Site: SA SC | | |
| Logged By: ANDREW OSTROVE | Reviewed By: | | |
| Drilling Contractor: EST | Drillers Name: MARTIN KILLINGER | | |
| Drill Rig Type/Method: HANDAUGER | | | |
| Sampler Type: HANDAUGER / 2" SS | | | |
| Borehole Diam (inch): 3.25" | Total Depth (ft bgs): 6' | | |
| Drill Bit Type: HANDAUGER BUCKET | | | |
| Drill Start Time/Date: 1253 6/11/14 | Drill Finish Time/Date: 1320 6/11/14 | | |
| Soil Vapor ID: SCSV-DH-513 | Soil Boring Backfill Time/Date: N/A | Backfill Material: N/A | |
| Soil Vapor Well Completion Time/Date: 6/11/14 1330 | Observations: ☒ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None | | |
| Soil Vapor Probe Depths (ft.bgs): 5.0 - 6.0' | Surface Completion: SOIL VAPOR PROBE | | |
| Soil Vapor Well Detail Completed (yes/no) | Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None | | |

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: GRASSES, WEEDS MUSHRD

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | | SM/SILTY SAND, DRY, BROWN (10YR 4/3), LOOSE, FINE TO MED SAND, ANGULAR TO SUBROUNDED, TRACE COARSE SAND, TRACE CLAY PIPE PIECES. FILL. | — | 5 | 15 | 60 | 20 |
| 0.5 | | | | | | 1 | | | | | | | |
| | | | | | | 2 | | LOOSE TO MED DENSE @ 2.5 TO 4.75' BGS | | | | | |
| | | | | | | 3 | | | | | | | |
| 0.0 | | | | | | 4 | | | | | | | |
| | | | | | | 5 | SP SM | SAND W/ SILT (SP-SM), DRY, LOOSE, PALE BROWN (10YR 6/3) TO BROWN (10YR 5/3), FINE TO MEDIUM SAND, ANGULAR TO SUBROUNDED. TRACE COARSE SAND | — | 5 | 25 | 55 | 15 |
| 0.0 | | | | | | 6 | SS | TD = 6'; REFUSAL ON WEATHERED SS BEDROCK, WEATHERED. SG VAPOR PROBE @ 5-6' @ 1330 - 1ST HOLE REFUSAL @ 6" - 2ND HOLE REFUSAL @ 6' (SW PROBE 1' SOUTH | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

MWH

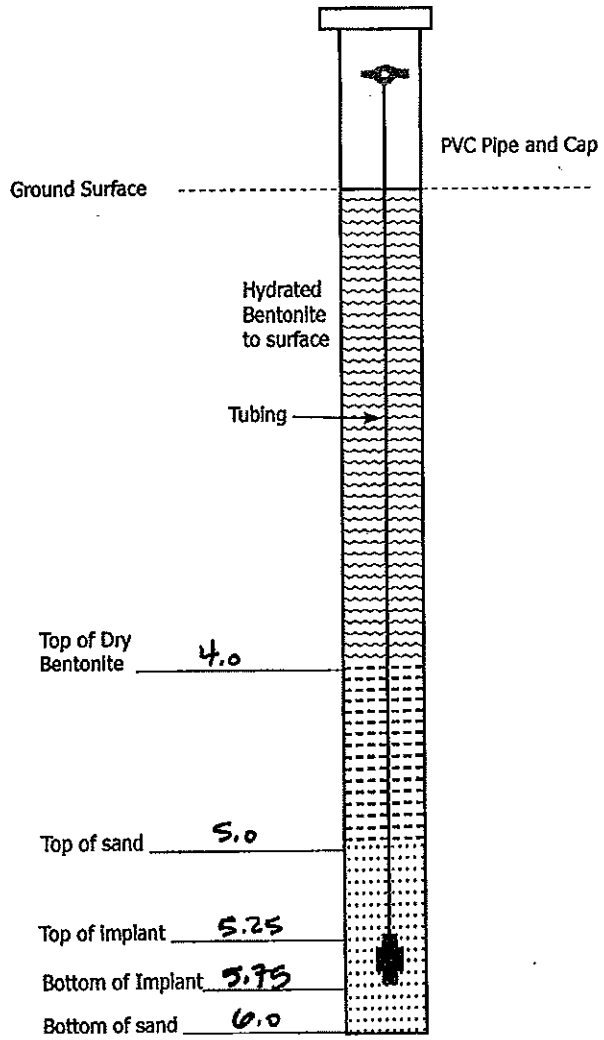
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SCSV-DG-~~SB~~ 513 (60) | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 2014

Site: SA SC | Reviewed by: | Logged by: ANDREW PAYNE

Drilling Contractor: EST | Rig Type/Method: HANDAUGER / GRAB | Driller: NIJON VILLAVILLAN

Borehole TD: 6' | Probe Completion Date/Time: 6/11/14 1330 | Borehole Diameter: 3.25"




~~SC-SV~~ 60

**Vapor Implant Specs**

Material: STAINLESS STEEL

Length: 6"

Diameter: 3/8"

**Tubing Specs**

Material: TEFLON

Diameter: 1/4"

Color: CLEAR

**Sand Pack Specs**

Grain Size: #3

Manufacturer: CEMEX

**Dry Bentonite**

Type: #8

Manufacturer: CETCO

**Hydrated Bentonite**

Type: #8

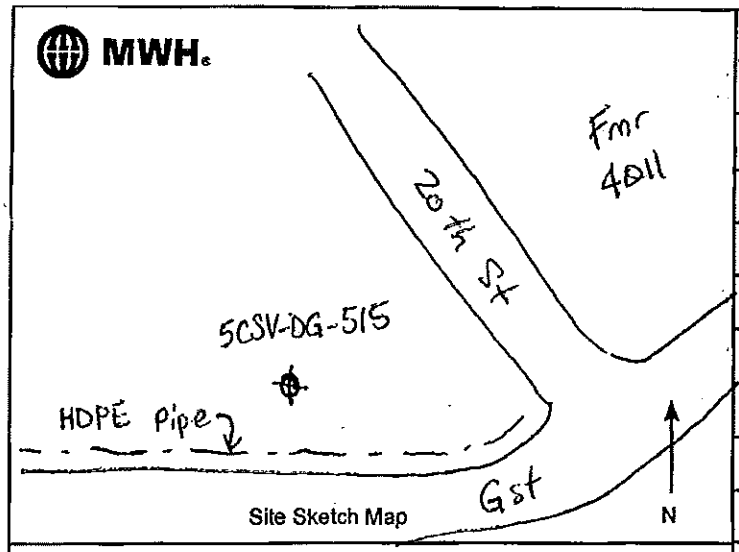
Manufacturer: CETCO

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH



Site Sketch Map

| | | | |
|---|---|---|---|
| Boring ID: 5CSV-DG-~~561~~ | Sheet 1 of 2 | | |
| Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014 | | | |
| Job #: 10503982.3050105/ 10503982.3060105 | Site: | | |
| Logged By: V. Vathanasin | Reviewed By: | | |
| Drilling Contractor: EST | Drillers Name: Morgan Hughes | | |
| Drill Rig Type/Method: Geoprobe 5400 / DP | | | |
| Sampler Type: Macrocore | | | |
| Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 13.5' | | |
| Drill Bit Type: Macrocore | | | |
| Drill Start Time/Date: 0942 / 6-2-14 | Drill Finish Time/Date: 1007 / 6-2-14 | | |
| Soil Vapor ID: 5CSV-DG-515 | Soil Boring Backfill Time/Date: N/A | Backfill Material: N/A | |
| Soil Vapor Well Completion Time/Date: 1030 / 6-2-14 | Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None | | |
| Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 12.5-13.5 | Surface Completion: Soil Vapor Probes | | |
| Soil Vapor Well Detail Completed (yes/no) | Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None | | |

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Silty Sand (SM), yellowish brown (10YR 5/6), loose, dry, medium to fine sand, non-plastic silt, fill, no odors or stains | - | - | 20 | 50 | 30/ |
| | | 48" | NONE | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | @ 3' color changes to dark yellowish brn (10YR 4/6) | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| 536 | | 43" | | | | 6 | | Silty Sand w/ clay (SM), yellowish brown (10YR 5/4), med. dense, fine sand, low plasticity fines, light gray (10YR 7/2) weathering and yellow staining (10YR 7/8), fill | - | - | - | 65 | 30/5 |
| | | | NONE | | | 7 | | | | | | | |
| | | | | | | 8 | SP SM | Poorly Graded Sand w/ silt (SP-SM), yellowish brown (10YR 5/6), loose, dry, fine to med. sand, fill, no stains or odors, (non-plastic silt?) | | | 10 | 80 | 10/ |
| 0.0 | | | NONE | | | 9 | | | | | | | |

Boring ID: SCSV-DG-515 Project: Phase 3 DoT SV DG 2014 Sheet 2 of 2

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NONE | | | | 10 | | ~~Silt~~ Silt + Clay increases, med. stiff. (V.V.) | – | – | 5 | 80 | 10/5 |
| | | | | | | 11 | SP | ~~Silt~~ Poorly Graded Sand (SP), yellowish brown (10YR 5/4), loose, dry, fine sand, | – | – | – | 100 | TR |
| | | NONE | | | | 12 | | trace silt, brownish yellow (10YR 6/6) stains (oxidation), native soil. | | | | | |
| 0.0 | | | | | | 13 | | | | | | | |
| | | | | | | 14 | Br | Sandstone, weathered | | | | | |
| | | | | | | 15 | | | | | | | |
| | | | | | | 16 | | TD = 13.5, refusal on bedrock. Install vapor probes at 5.0-6.0 & 12.5-13.5. | | | | | |
| | | | | | | 17 | | PID ~~read~~ @ 53.6 ppm @ 5' bgs. | | | | | |
| | | | | | | 18 | | | | | | | |
| | | | | | | 19 | | | | | | | |
| | | | | | | 20 | | | | | | | |
| | | | | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

# Multiple Soil Vapor Probe Construction Diagram

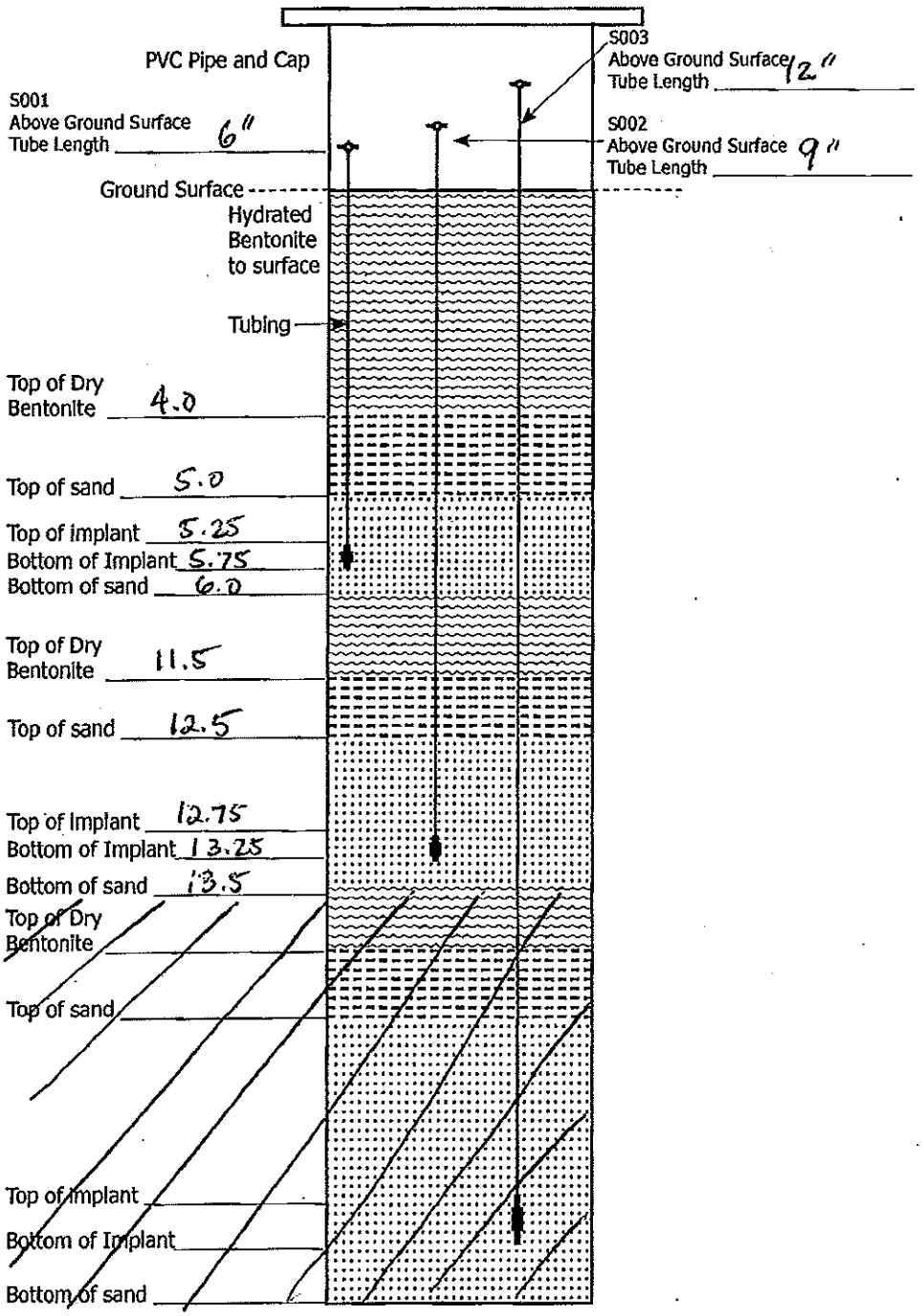


MWH

Probe ID/Soil ID: SCSV-DG-515
Site: SA SC
Drilling Contractor: EST
Borehole TD: 13.5

Project: Phase 3 DOE SV DG
Logged by: Van Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 1030 / 6-2-1




**Vapor Implant Specs**
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

**Tubing Specs**
Material: Teflon
Diameter: 1/4"
Color: Clear

**Sand Pack Specs**
Grain Size: #3
Manufacturer: Cemex

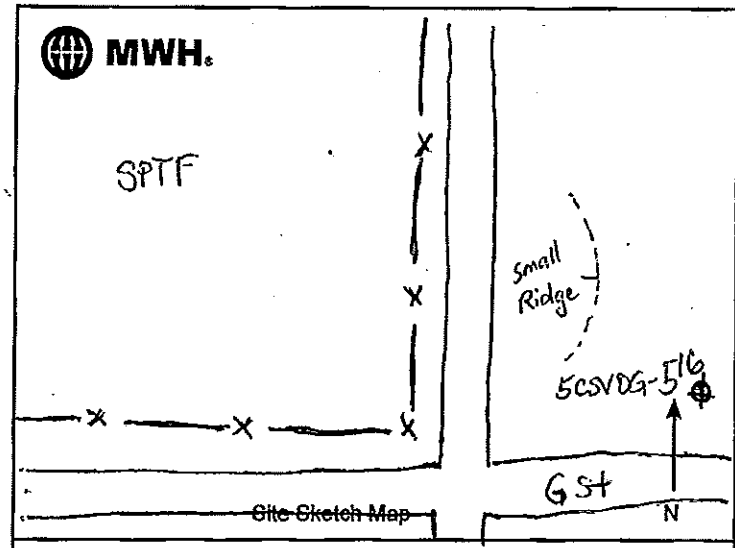
**Dry Bentonite**
Type: #8
Manufacturer: Cetco

**Hydrated Bentonite**
Type: #8
Manufacturer: Cetco

**Notes:**
1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

MWH




Boring ID: 5CSV-DG-516 | Sheet 1 of 2

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 | Site: 5C

Logged By: V. Vathanasin | Reviewed By:

Drilling Contractor: EST | Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 19.0

Drill Bit Type: Macrocore

Drill Start Time/Date: 0750 / 5-30-14 | Drill Finish Time/Date: 0905 / 5-30-14

Soil Vapor ID: 5CSV-DG-516

Soil Boring Backfill Time/Date: N/A | Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 0935 / 5-30-14

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 11.0-12.0, 18.0-19.0

Surface Completion: Soil Vapor probes

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Silty Sand (SM), dark yellowish brown (10YR 4/4), loose, dry, fine sand, silt, fine angular gravel, non-cemented, grass roots, asphalt debris, fill | TR | - | - | 65 | 35 |
| | | 46" | NONE | | | 1 | | @0.5' grades w/o roots ~~or gravel~~ (V.V.) | | | | | |
| | | | | | | 2 | | @1.0' increasing fine gravel - Silty Sand w/ Gravel | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| 0.0 | | | | | | 5 | | slightly clayey → decomposed feldspars, fill | 10 | 5 | 10 | 40 | 25/10 |
| | | 36" | NONE | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | 36" | NONE | | | 9 | | | | | | | |

Boring ID: SCSV-DG-516 Project: Phase 3 SVDG Sampling 2014 Sheet 2 of 2

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 10 | | | | | | | |
| | | | | | | | SC | Clayey Sand (SC), yellowish brown (10YR 5/4), med. dense, fine sand, low plasticity clay, no odors or stains, possibly fill | — | — | — | 75 | 25 |
| | | 18" | | | | 11 | | | TR | — | — | 100 | — |
| 0.2 | | | NONE | | | | SM | | | | | | |
| | | | | | | 12 | SP | ~~Silty Sand (SM)~~ Poorly Graded Sand (SP), brown (10YR 5/3), loose, dry, fine sand, trace fine gravel, fill | | | | | |
| | | 30" | | | | 13 | | | | | | | |
| | | | NONE | | | | | | | | | | |
| | | | | | | 14 | | | | | | | |
| | | | | | | 15 | | | | | | | |
| 0.7 | | 12" | | | | | SM | Silty Sand (SM), brown (10YR 5/3), loose, dry, fine sand, low-plasticity silt; fill | — | — | — | 75 | 25 |
| | | | | | | 16 | | | — | — | — | 100 | — |
| | | | NONE | | | | VS | | | | | | |
| | | 0" | | | | | MS | | | | | | |
| | | | | | | 17 | SP | Poorly Graded Sand, brownish yellow (10YR 6/6), loose, dry, fine sand, native soil | | | | | |
| | | | | | | 18 | | | | | | | |
| | | | NONE | | | | | | | | | | |
| 2.3 | | 12" | | | | 19 | | | | | | | |
| | | | | | | | Br | Sandstone, weathered | | | | | |
| | | | | | | 20 | | | | | | | |
| | | | | | | 1 | | TD = 19.0, refusal on bedrock, install vapor probes at 5.0-6.0, 11-12, 18.0-19.0 | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

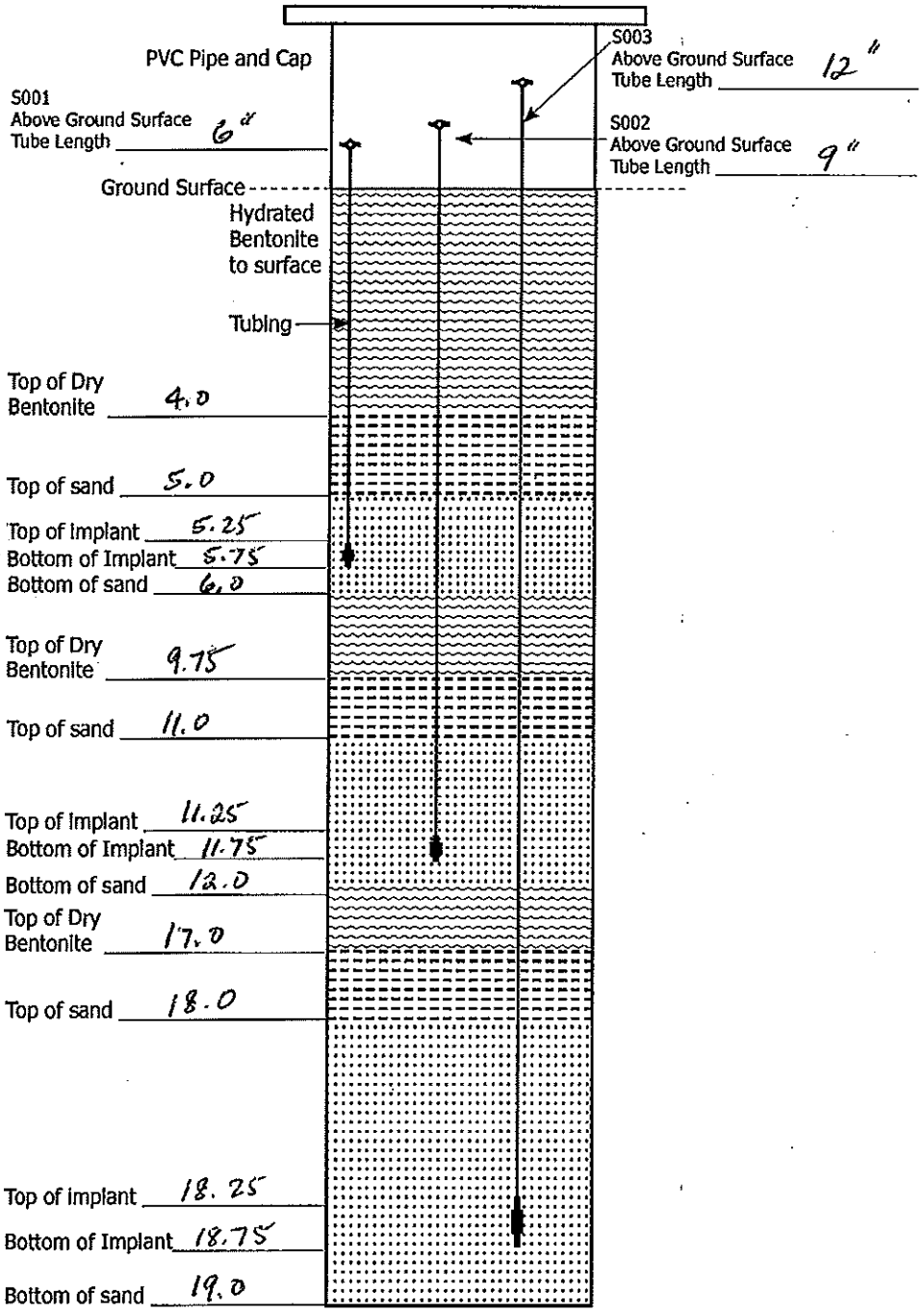
# Multiple Soil Vapor Probe Construction Diagram



Probe ID/Soil ID: SCSV-DG-516
Site: SC
Drilling Contractor: EST
Borehole TD: 19.0

Project: Phase 3 DOE SVDG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 0935 / 5-30-1




**Vapor Implant Specs**
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

**Tubing Specs**
Material: Teflon
Diameter: 1/4"
Color: Clear

**Sand Pack Specs**
Grain Size: #3
Manufacturer: Cemex

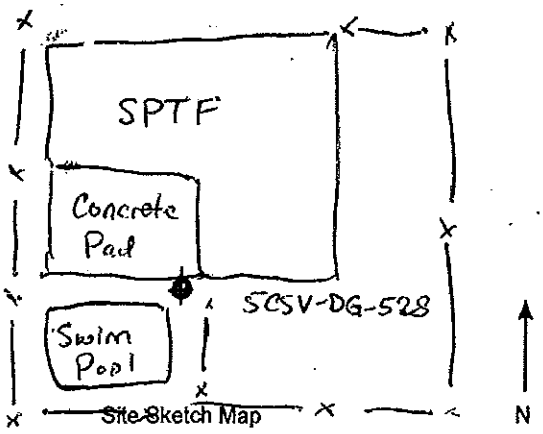
**Dry Bentonite**
Type: #8
Manufacturer: Cetco

**Hydrated Bentonite**
Type: #8
Manufacturer: Cetco

**Notes:**
1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

MWH



Site Sketch Map

| | |
|---|---|
| Boring ID: SCSV-DG-528 | Sheet 1 of 1 |
| Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014 | |
| Job #: 10503982.3050105/ 10503982.3060105 | Site: SC |
| Logged By: V. Vatharasin | Reviewed By: |
| Drilling Contractor: EST | Drillers Name: Morgan Hughes |
| Drill Rig Type/Method: Geoprobe 5400 / DP | |
| Sampler Type: Macrocore | |
| Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 6.5 |
| Drill Bit Type: Macrocore | |
| Drill Start Time/Date: 1300 / 5-28-14 | Drill Finish Time/Date: 1309 / 5-28-14 |
| Soil Boring Backfill Time/Date: N/A | Backfill Material: N/A |
| Soil Vapor ID: SCSV-DG-528 | Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None |
| Soil Vapor Well Completion Time/Date: 1334 / 5-28-14 | Surface Completion: Install vapor probe |
| Soil Vapor Probe Depths (ft.bgs): 5.5-6.5 | Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None |
| Soil Vapor Well Detail Completed (yes/no) | |

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | | Surface Description: Asphalt | | | | | |
| | | | | | | | GW | 3" Asphalt | 50 | 10 | 15 | 20 | 5 |
| | | | | | | 1 | GW | Sandy Gravel (GW), brown (10YR 4/3) with | | | | | |
| | | | | | | | | pale brown (10YR 6/3) gravel, loose, | | | | | |
| | | 40" | | | | 2 | SM | dry, fine gravel, fine to coarse sand, | - | - | - | 70 | 30 |
| | | | | | | | | fill, road base, dark stains (very | 10 | - | - | 60 | 30 |
| | | | | | | 3 | | dark brown (10YR 2/2)) | - | - | - | 65 | 35 |
| | | | | | | | | @ 1.3' Silty Sand (SM), dark grayish brown | | | | | |
| | | | | | | 4 | | (10YR 4/2), med. dense, moist, fine | | | | | |
| | | | | | | | | sand, dark yellowish brown (10YR 4/6) | | | | | |
| | | 30" | | | | 5 | | oxidation, fill | | | | | |
| | | | | | | | | @ 2' grades with weathered gravel | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | | | @ 6.5' color changes to yellowish brown | | | | | |
| | | | | | | 7 | Br | (10YR 5/4), no gravel, fill | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | 8 | | @ 6.5 Strong oxidation and highly weathered | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | 9 | | Sandstone, weathered | | | | | |
| | | | | | | | | TD = 6.5', refusal on bedrock, install | | | | | |
| | | | | | | | | probe @ 5.5-6.5 | | | | | |

MWH

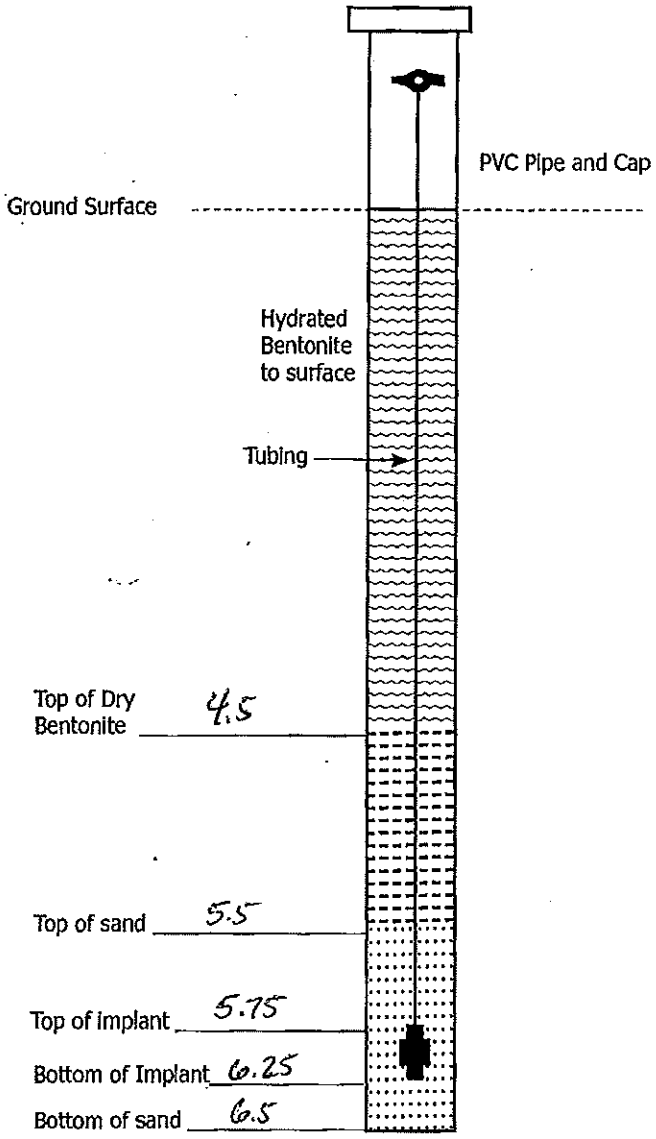
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SCSV-DG-528 | Job #: 10503982.3050105/10503982.3080105 | Project: Phase 3 DOE Data Gap Sampling 2

Site: SA SC | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 / DP | Driller: Morgan Hughes.

Borehole TD: 6.5 | Probe Completion Date/Time: 1334 / 5-28-14 | Borehole Diameter: 2.25"




Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3

Manufacturer: (U.S.) Gator Cemex

Dry Bentonite

Type: #8

Manufacturer: CETCO

Hydrated Bentonite

Type: #8

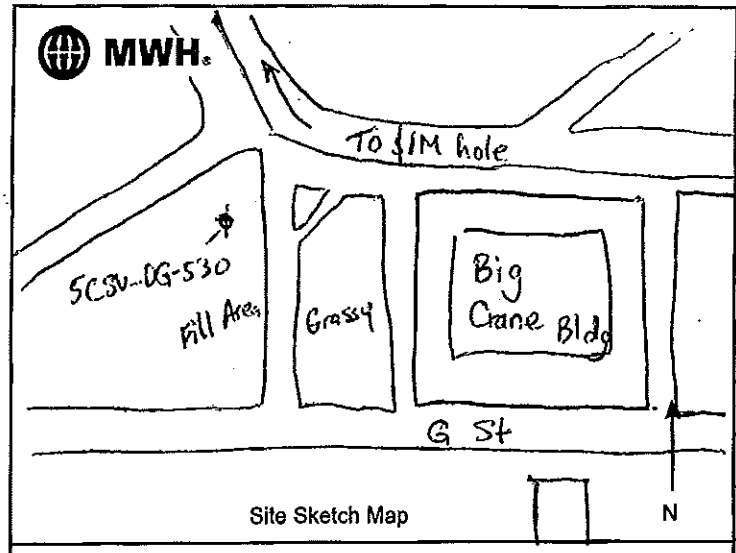
Manufacturer: CETCO

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH



Site Sketch Map

| | |
|---|---|
| Boring ID: SCSV-DG-530 | Sheet 1 of 1 |
| Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014 | |
| Job #: 10503982.3050105/ 10503982.3060105 | Site: SA 5C |
| Logged By: V. Vathanasin | Reviewed By: |
| Drilling Contractor: EST | Drillers Name: Morgan Hughes |
| Drill Rig Type/Method: Geoprobe 5400 / DP | |
| Sampler Type: Macrocore | |
| Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 7.5 |
| Drill Bit Type: Macrocore | |
| Drill Start Time/Date: 1430 / 5-20-14 | Drill Finish Time/Date: 1445 / 5-20-14 |
| Soil Boring Backfill Time/Date: N/A | Backfill Material: N/A |
| Soil Vapor ID: SCSV-DG-530 | Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None |
| Soil Vapor Well Completion Time/Date: 1504 / 5-20-2014 | Surface Completion: Soil Vapor Probe |
| Soil Vapor Probe Depths (ft.bgs): 6.5-7.5' | Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None |
| Soil Vapor Well Detail Completed (yes/no) | |

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description<br>1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (Fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations<br>Surface Description: Gentle Slope, gravel, grass | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Silty Sand (SM), yellowish brown (10YR 5/4), loose, dry, fine sand, non-plastic silt, non-cemented, no odors or stains, fill | - | - | - | 60 | 40 |
| | | 42" | NONE | | | 1 | | | | | | | |
| | | | | | | 2 | ML | @1' asphalt staining, very dark gray (10YR 3/1). @2' staining disappears, Silt w/ sand (ML), light yellowish brown (10YR 6/4), med. stiff, dry, non-plastic silt, fine sand, fill, layer apperance - | - | - | - | 10 | 90 (V1) |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | 36" | NONE | | | 6 | SP | (V2) SP Poorly Graded Sand (SP), very pale brown (10YR 7/4), loose, dry, fine sand, fill. color changes to brownish yellow (10YR 6/6), native. @ 7.5 Sandstone. TD = 7.5', refusal on bedrock, install vapor probe 6.5'-7.5' bgs. | - | - | - | 100 | - |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

MWH

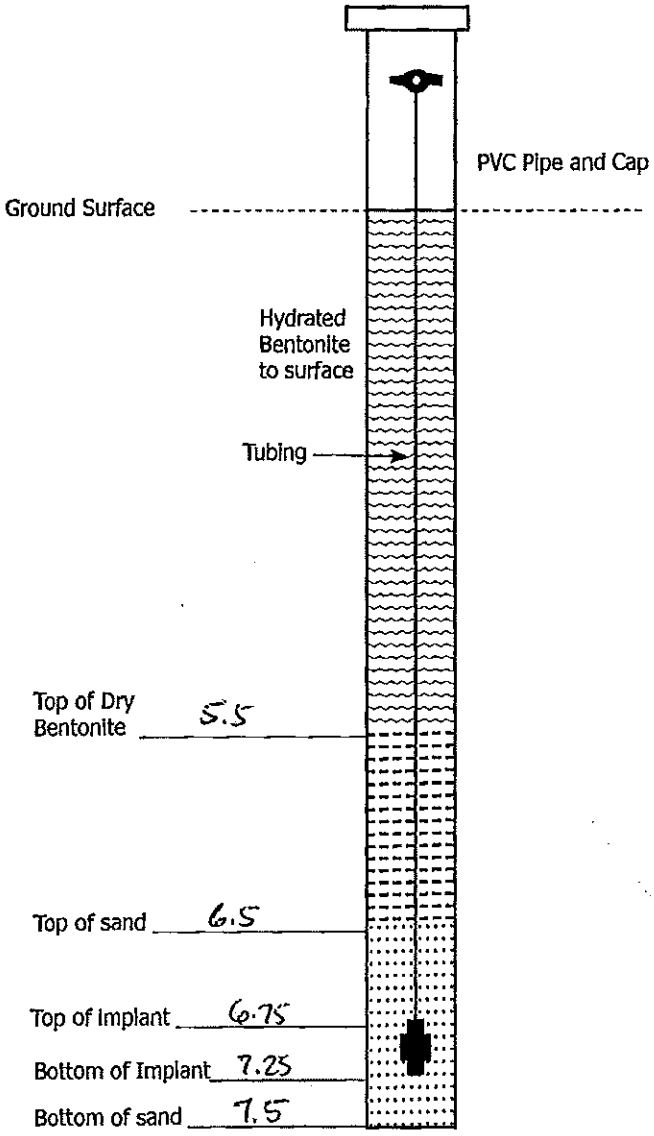
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SCSV-DG-530 Job #: 10503982.3050105/10503982.3060105 Project: Phase 3 DOE Data Gap Sampling 2

Site: SC Reviewed by: Logged by: V. Vathanasin

Drilling Contractor: EST Rig Type/Method: Geoprobe 5400/DP Driller: Morgan Hughes

Borehole TD: 7.5 Probe Completion Date/Time: 1504/5-20-14 Borehole Diameter: 2.25"




Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8

Manufacturer: Cetco

Hydrated Bentonite

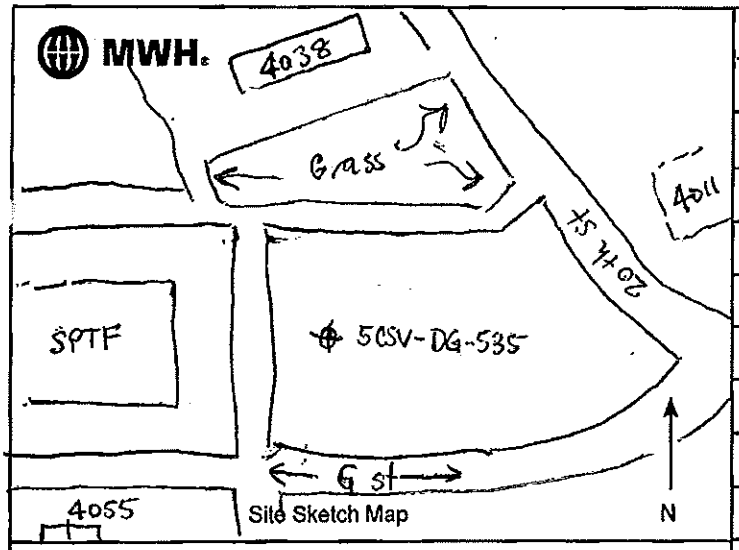
Type: #8

Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**



Site Sketch Map

| | |
|---|---|
| Boring ID: 5CSV-DG-535 | Sheet 1 of 2 |
| Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014 | |
| Job #: 10503982.3050105/ 10503982.3060105 | Site: 5C |
| Logged By: V. Vathanasin | Reviewed By: |
| Drilling Contractor: EST | Drillers Name: Morgan Hughes |
| Drill Rig Type/Method: Geoprobe 5400 / DP | |
| Sampler Type: Macrocore | |
| Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 16.0 |
| Drill Bit Type: Macrocore | |
| Drill Start Time/Date: 1035 / 5-28-14 | Drill Finish Time/Date: 1120 / 5-28-14 |
| Soil Boring Backfill Time/Date: N/A | Backfill Material: N/A |
| Soil Vapor ID: 5CSV-DG-535 | Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None |
| Soil Vapor Well Completion Time/Date: 1145 / 5-28-14 | Surface Completion: Soil vapor probes |
| Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 10.0-11.0, 15.0-16.0 | Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None |
| Soil Vapor Well Detail Completed (yes/no) | |

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Estimated % of Sand: Gravel | Coarse | Medium | Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Silty Sand (SM), brown (10YR 4/3), med. dense, dry, fine sand, non-plastic silt, no stains or odors, well compacted, non-cemented, fill | - | - | - | 55 | 45/ |
| | | 48" | NONE | | | 1 | | | | | | | |
| | | | | | | 2 | | | - | - | - | 55 | 35/10 |
| | | | | | | | | @1.5' grades w/ pale yellow (2.5Y 8/4) weathered sand nodules, very low to med plasticity clay, fill | | | | | |
| 0.0 | | | NONE | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | 24" | | | | | | @3.5' grades to very dense. | | | | | |
| | | | | | | 5 | | @5.0 grades w/o clay, color changes to brownish yellow (10YR 6/6), fill | - | - | - | 60 | 40/ |
| | | | NONE | | | 6 | | | | | | | |
| | | 24" | | | | 7 | | | | | | | |
| 0.0 | | | | | | | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | 24" | NONE | | | 9 | | | | | | | |

Boring ID: SCSV-DG-535 Project: Phase 3 DOE SV DG Sheet 2 of 2

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 10 | SM | Same as above - chomogenous fill material. | | | | | |
| | | 24" | | | | 11 | | | | | | | |
| 1.4 | | | | | | 12 | | | | | | | |
| | | | | | | 13 | | | | | | | |
| | | 36" | | | | | | Grades w/ fine angular gravel and low plasticity clay | 10 | 5 | 5 | 35 | 35/10 |
| | | | | | | 14 | | @14' grades w/o gravel (Silty Sand w/ clay) | - | - | - | 50 | 30/20 |
| | | | NONE | | | 15 | SP | Poorly Graded Sand w/ Silt (SP-SM), very | - | - | - | 90 | 10/ |
| 1.8 | | 12" | | | | 16 | | pale brown (10YR 7/4), loose, dry fine | | | | | |
| | | | | | | | Br | sand, silt, micaceous, brownish yellow (10YR 6/8) oxidation, native soil | | | | | |
| | | | | | | 17 | | | | | | | |
| | | | | | | | | Sandstone, weathered | | | | | |
| | | | | | | 18 | | | | | | | |
| | | | | | | 19 | | TD = 16.0 ft; refusal on bedrock - hosted vapor probes at 5.0-6.0, 10.0-11.0 and 15.0-16.0. | | | | | |
| | | | | | | 20 | | | | | | | |
| | | | | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

MWH

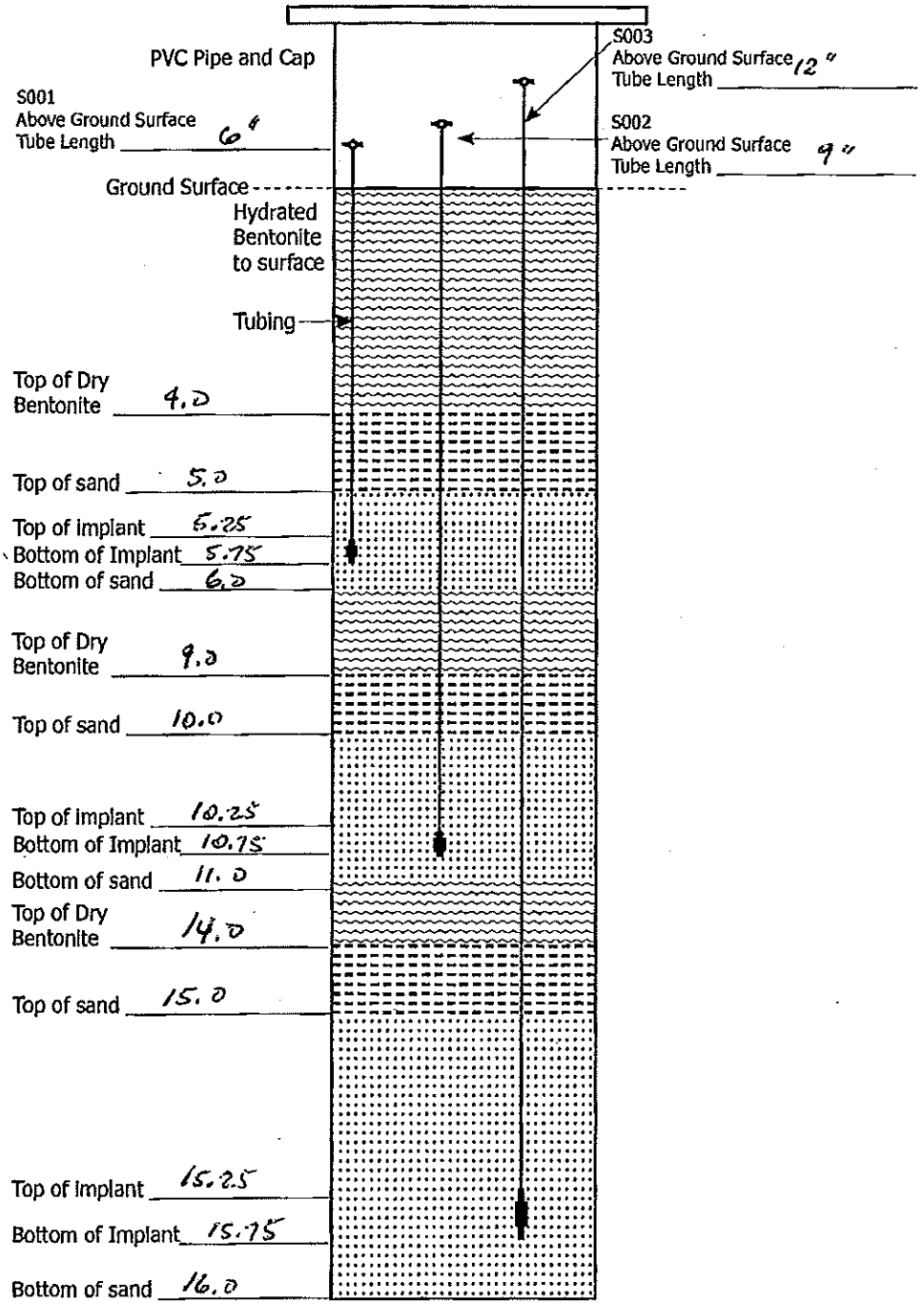
# Multiple Soil Vapor Probe Construction Diagram



Probe ID/Soil ID: SCSV-DG-535
Site: SA 5C
Drilling Contractor: EST
Borehole TD: 16.0

Project: Phase 3 OOE SV DG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400/DP
Probe Completion Date/Time: 1145/5-28-14




**Vapor Implant Specs**
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

**Tubing Specs**
Material: Teflon
Diameter: 1/4"
Color: clear

**Sand Pack Specs**
Grain Size: #3
Manufacturer: Cemex

**Dry Bentonite**
Type: #8
Manufacturer: Cetco

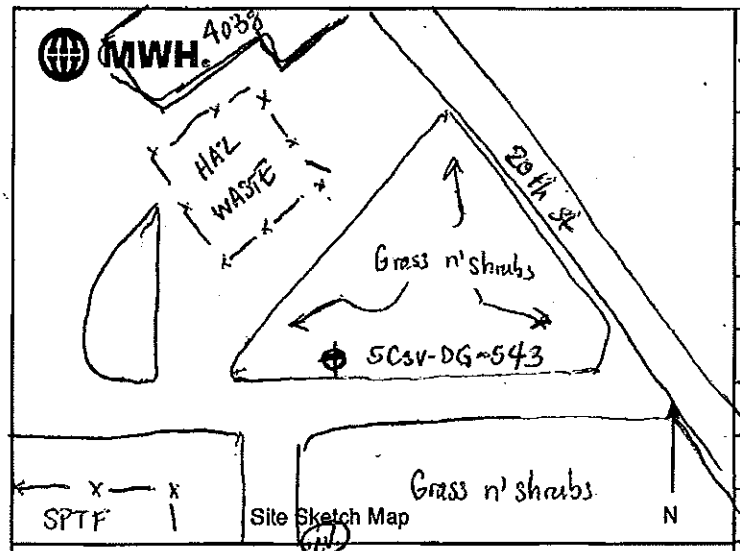
**Hydrated Bentonite**
Type: #8
Manufacturer: Cetco

**Notes:**

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

MWH



Site Sketch Map

| | | | |
|---|---|---|---|
| Boring ID: SCSV-DG-543 | Sheet 1 of 2 | | |
| Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014 | | | |
| Job #: 10503982.3050105/ 10503982.3060105 | Site: SASC | | |
| Logged By: V. Vathanavin | Reviewed By: | | |
| Drilling Contractor: EST | Drillers Name: Morgan Hughes | | |
| Drill Rig Type/Method: Geoprobe 5400 / DP | | | |
| Sampler Type: Macrocore | | | |
| Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 19.0 | | |
| Drill Bit Type: Macrocore | | | |
| Drill Start Time/Date: 1010 / 5-30-14 | Drill Finish Time/Date: 1100 / 5-30-14 | | |
| Soil Vapor ID: SCSV-~~DG~~ DG-543 | Soil Boring Backfill Time/Date: N/A | Backfill Material: N/A | |
| Soil Vapor Well Completion Time/Date: 1230 / 5-30-14 | Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None | | |
| Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 11.0-12.0, 18.0-19.0 | Surface Completion: Soil Vapor probes | | |
| Soil Vapor Well Detail Completed (yes/no) | Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None | | |

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Silty Sand (SM), dark yellowish brown (10YR 4/6), loose, dry, fine sand, non plastic silt, no odors or stains, fill. | - | - | - | 60 | 40/ |
| | | | | | | 1 | | | | | | | |
| | | | | | | 2 | | @ 1.4' becomes slightly stratified with very pale brown (10YR 8/3) nodules (weathered sand?). | | | | | |
| | | 46" | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| 0.0 | | 48" | | | | 6 | | | | | | | |
| | | | | | | 7 | | grades to medium dense, less silt content | - | - | - | 70 | 30/ |
| | | | | | | 8 | | faint oxidation (brownish yellow (10YR 6/6)), no longer stratified. | | | | | |
| | | | | | | 9 | | | | | | | |

Soil Description
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Graded backfill

Boring ID: SCSV-DG-543 Project: Phase 3 DoE SV DG Sampling 2014 Sheet 2 of 2

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| V.V. 0 | | | | | | 10 | SP | Poorly Graded sand (SP), light yellowish brown (10YR6/4), loose, dry, fine sand, no odors | - | - | - | 100 | - |
| 8.0 | | 36" | | | | 11 | V.V. | ~~no stains~~, yellowish brown (10YR 5/6) of ~~debris~~ fill | | | | | |
| | | | | | | 12 | SW | 11.75 - 12.1 = well Graded Sand (SW) medium | | | | | |
| | | | | | | | SM | to fine sand, | | | | | |
| | | | | | | 13 | | @13' very dark grayish brown (10YR 3/2) staining, ~~light yellowish brown~~ (V.V.) Silty Sand (SM) | - | - | 30 | 45 | 25 |
| | | | | | | 14 | | dark yellowish brown (10YR 4/6), ~~loose~~ med. dense, dry, | V.V. | | | | |
| | | 30" | | | | 15 | SP | fine sand, non-plastic silt, few dark stains, no odors, | - | - | - | 100 | - |
| | | | | | | | | | - | - | - | 80 | 20 |
| | | | | | | 16 | SM | @14.5' - 15.1 Poorly Graded Sand (SP) | | | | 100 | - V. |
| | | | | | | 17 | | yellowish brown (10YR 5/6), loose, dry, fine sand, native (?), no stains or odors. | | | | | |
| | | 30" | | | | | | Silty Sand (SM), yellowish brown (10YR 5/4), | | | | | |
| | | | | | | 18 | | loose, slightly moist, fine sand, non-plastic silt, very weak silt cement, native soil | | | | | |
| 0.0 | | | | | | 19 | Bs | | | | | | |
| | | | | | | | | @18.5 color changes to yellowish brown (10YR 5/8 | | | | | |
| | | | | | | 20 | | | | | | | |
| | | | | | | 1 | | @19 Sandstone, weathered. | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

MWH

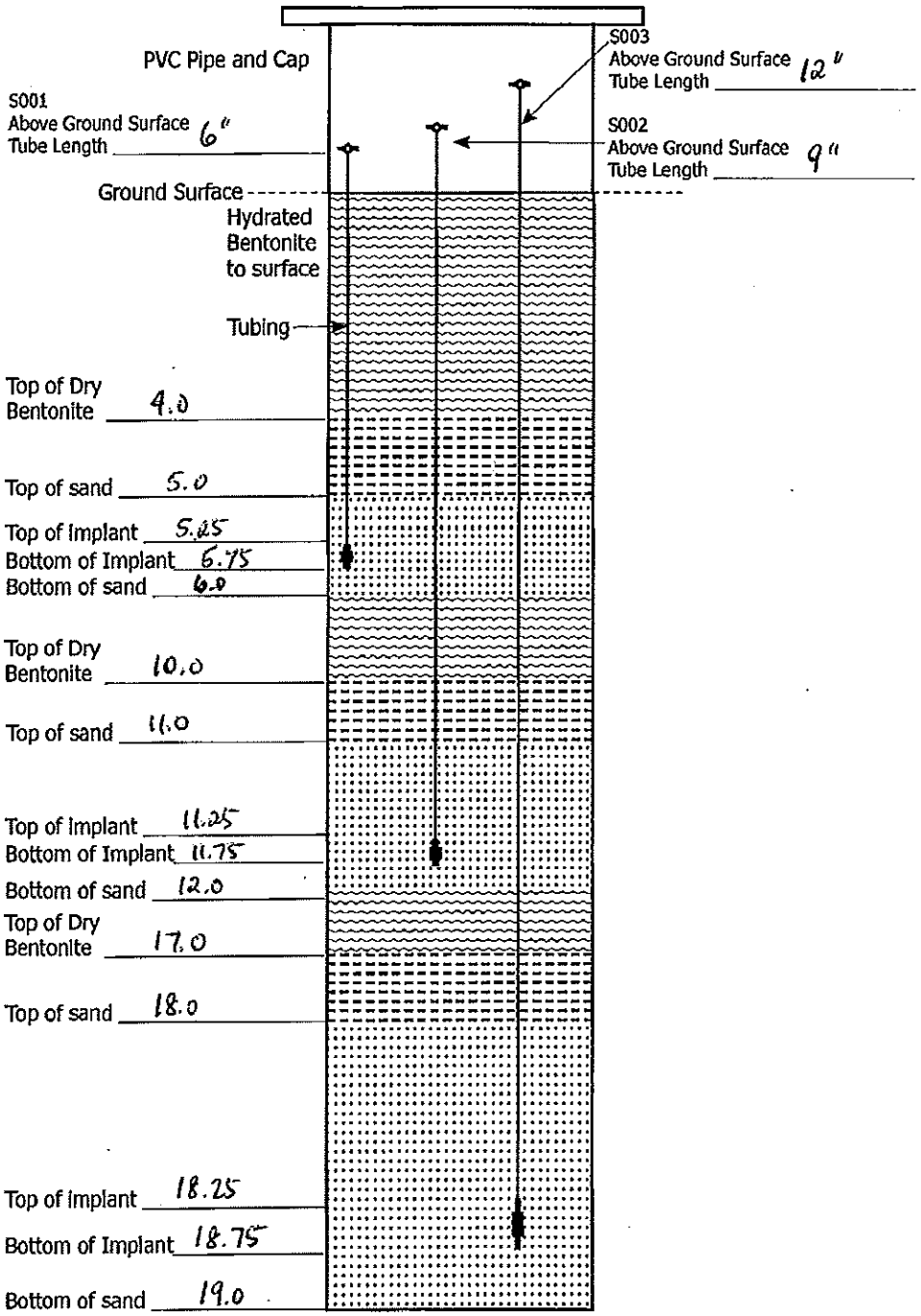
# Multiple Soil Vapor Probe Construction Diagram



Probe ID/Soil ID: SCSV-DG-543
Site: SA 5C
Drilling Contractor: EST
Borehole TD: 19.0 ft

Project: Phase 3 DOE SV DG
Logged by: V. Valbuena
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 1230 / 5-30-1




**Vapor Implant Specs**
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

**Tubing Specs**
Material: Teflon
Diameter: 1/4"
Color: Clear

**Sand Pack Specs**
Grain Size: # 3
Manufacturer: Cemex

**Dry Bentonite**
Type: #8
Manufacturer: Cetco

**Hydrated Bentonite**
Type: #8
Manufacturer: Cetco

**Notes:**

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

MWH.

Boring ID: SCSV-DG-554 | Sheet 1 of 2

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 | Site: SC

Logged By: V. Vatharasin | Reviewed By:

Drilling Contractor: EST | Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 14.0

Drill Bit Type: Macrocore

Drill Start Time/Date: 0745 / 5-29-14 | Drill Finish Time/Date: 0830 / 5-29-14

Soil Boring Backfill Time/Date: N/A | Backfill Material: N/A

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor ID: SCSV-DG-554

Soil Vapor Well Completion Time/Date: 0905 5-29-14

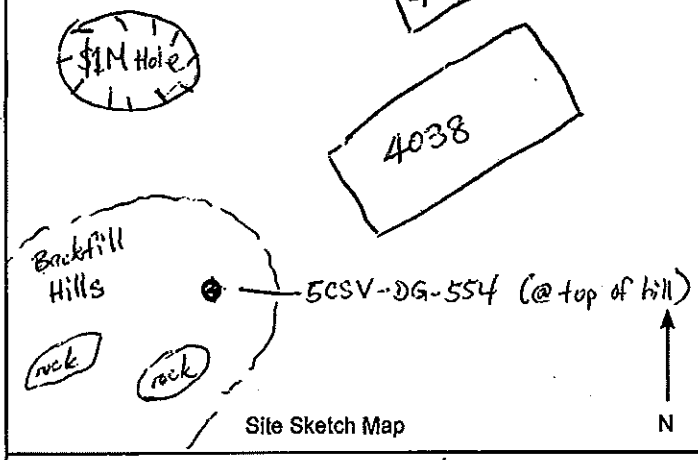
Soil Vapor Probe Depths (ft.bgs): 5.0 - 6.0 ; 13.0 - 14.0

Soil Vapor Well Detail Completed (yes/no)

Surface Completion: Soil vapor probes

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Site Sketch Map




| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Silty Sand (SM), light yellowish brown (10YR 6/4), loose, dry, fine sand, non-plastic silt, grass roots, sandstone cobbles (sheared by Macrocore), non compacted, fill, no staining or odors. | TR | - | - | 70 | 30/ |
| | | NONE | | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| 0.0 | | | | | | 4 | | Grades w/o cobbles, color changes to brownish yellow (10YR 6/6) | | | | | |
| | | NONE | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | ML | Silt (ML), dark yellowish brown (10YR 4/6), med. stiff, dry, non-plastic silt, fill | - | - | - | - | 100/ |
| 0.0 | | | | | | 8 | SM | Silty Sand (SM) brownish yellow (10YR 6/6), loose, dry, backfill, no stains or odors, backfill. | | | | | |
| | | NONE | | | | 9 | | | | | | | |

Boring ID: SCSV-DG-554 Project: DOE SV DG Phase III 2014 Sheet 2 of 2

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NONE | | | | 10 | SM | Same as above | | | | | |
| | | | | | | 11 | | | | | | | |
| | | | | | | 12 | | @12' few chunks of asphalt | | | | | |
| | | NONE | | | | 13 | | | | | | | |
| 0.0 | | | | | | 14 | | | | | | | |
| | | | | | | | BS | Weathered Sandstone. | | | | | |
| | | | | | | 15 | | | | | | | |
| | | | | | | 6 | | TD = 14.0, refusal on weathered bedrock. install probes at 5.0-6.0, 13.0-14.0 | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |
| | | | | | | 0 | | | | | | | |
| | | | | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

MWH

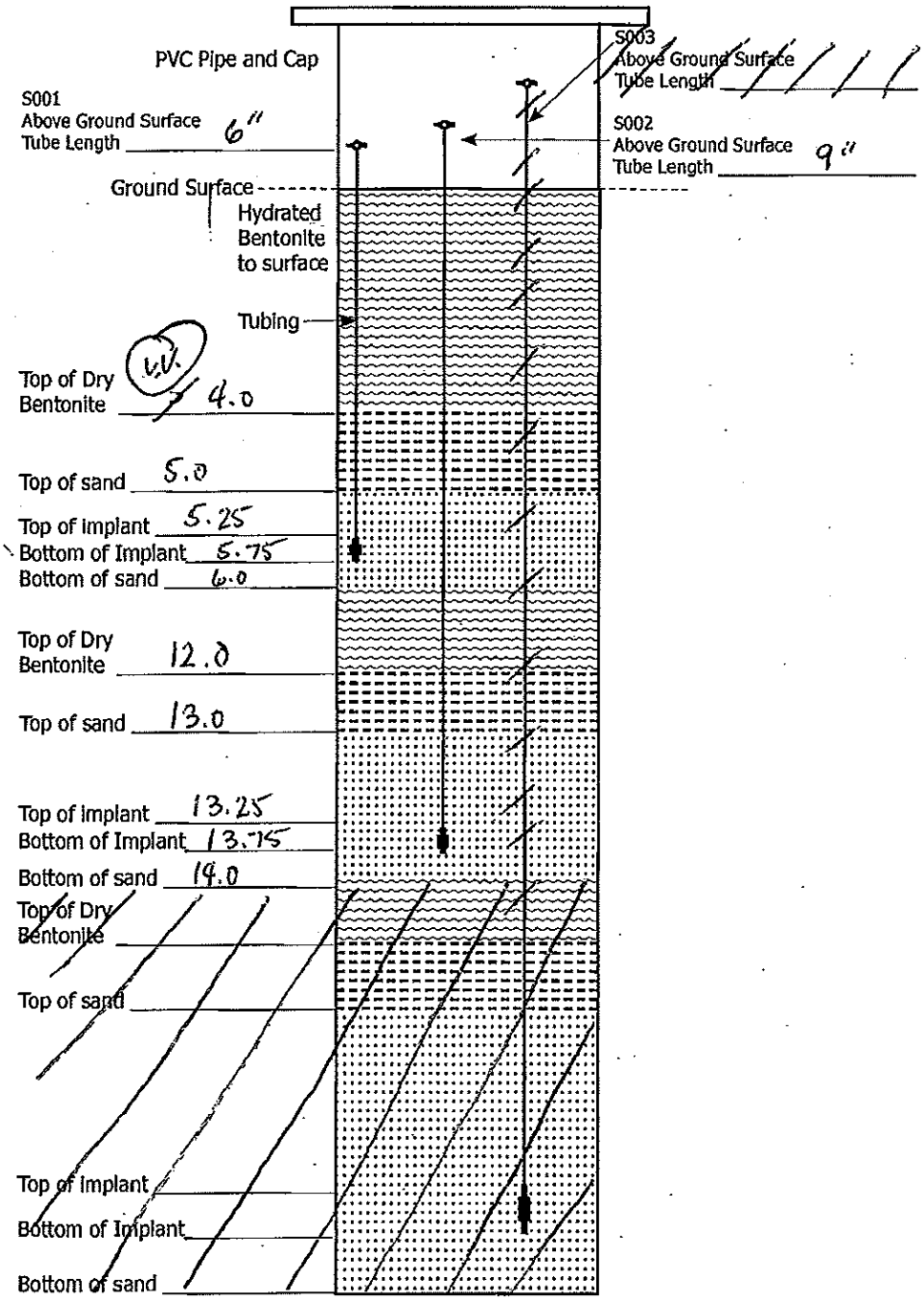
# Multiple Soil Vapor Probe Construction Diagram



Probe ID/Soil ID: SCSV-DG-554
Site: SA SC
Drilling Contractor: EST
Borehole TD: 14.0

Project: Phase 3 DOE SVDG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 0905/5-27-11




**Vapor Implant Specs**
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

**Tubing Specs**
Material: Teflon
Diameter: 1/4"
Color: clear

**Sand Pack Specs**
Grain Size: # 3
Manufacturer: Cemex

**Dry Bentonite**
Type: #8
Manufacturer: Cetco

**Hydrated Bentonite**
Type: #8
Manufacturer: Cetco

**Notes:**

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

MWH

Boring ID: 5CSV-DG-570 Sheet 1 of 3

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5C

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 45.0

Drill Bit Type: Macrocore

Drill Start Time/Date: 1115/5-29-14 Drill Finish Time/Date: 1600/5-29-14

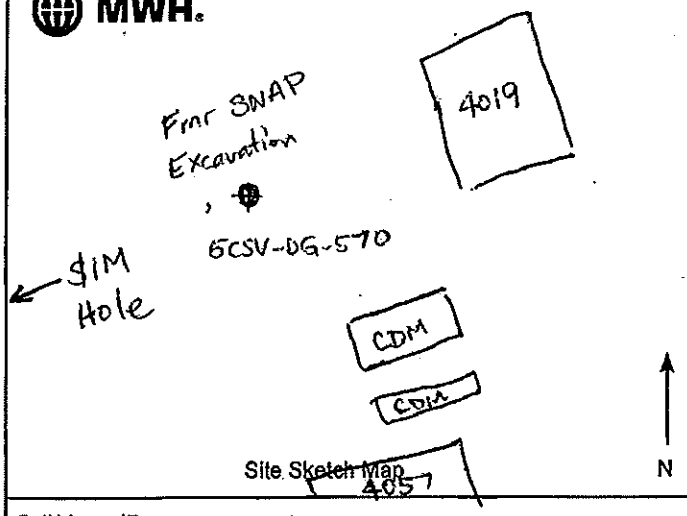
Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Surface Completion: Soil vapor probes.

Type of Refusal: ☐ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☒ None

Site Sketch Map




Soil Vapor ID: 5CSV-DG-570

Soil Vapor Well Completion Time/Date: 1630 / 5-29-14

Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 10.0-11.0, 15.0-16.0, 20.0-21.0, 30.0-31.0, 40.0-41.0

Soil Vapor Well Detail Completed (yes/no)

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) / Surface Description: | Estimated % of Gravel | Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Silty Sand (SM), yellowish brown (10YR 5/4), loose, dry, fine sand, non-plastic silt, slightly layered, no stains or odors, fill | - | - | - | 55 | 45/ |
| | | 43" | NONE | | | 1 | | | | | | | |
| | | | | | | 2 | ML | @1.7' Silt (ML), dark yellowish brown (10YR 4/4), stiff dry, low plasticity silt, moderate cementation, no stains or odors, fill | - | - | - | - | 100/ |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | SM | Silty Sand (SM), brownish yellow (10YR 6/6), loose, dry, fine sand, silt, fill | - | - | - | 80 | 20/ |
| 0.0 | | 48" | NONE | | | 5 | | | | | | | |
| | | | | | | 6 | | Grades to → | TR | 10 | 5 | 55 | 30/ |
| | | | | | | 7 | | Color changes to yellowish brown (10YR 5/4), Trace subrounded quartz gravel | | | | | |
| | | | NONE | | | 8 | | | | | | | |
| | | 36" | | | | 9 | | | | | | | |

Continue on page 2

Boring ID: SCSV-DG-570 Project: Phase 3 DOE Soil Vapor Data Gaps Sheet 2 of 3

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | 10 | SM | color changes to dark yellowish brown (10YR 4/4) | | | | | |
| | | | | | | 11 | | | | | | | |
| | | | | | | 12 | | @12.3 - 12.8 dark brown (10YR 3/3). | | | | | |
| | | 40" | NONE | | | | | @12.8 - 13.1 brownish yellow (10YR 6/8) | | | | | |
| | | | | | | 13 | | @13.1 dark brown (10YR 3/3), grades to Silty Sand w clay | TR | - | 10 | 55 | 25/10 |
| | | | | | | 14 | | | | | | | |
| 0.0 | | | | | | 15 | | @15 light brownish gray (10YR 6/2) staining | | | | | |
| | | 36" | NONE | | | 16 | | | | | | | |
| | | | | | | 17 | | @16.5 - large block of coarse gravel (10YR 6/2) ~~staining~~ (V.O.) | | | | | |
| | | | | | | 18 | | @18' 20 mm granitic gravel | | | | | |
| | | 24" | NONE | | | 19 | | 18.8'-19' = thin band of yellow (10YR 7/6) Silty Sand. | | | | | |
| 0.0 | | | | | | 20 | | @19' ~~cobble~~ (V.O.) color changes back to dark yellowish ~~brown~~ (V.O.) brown (10YR 4/4) | | | | | |
| | | 36" | NONE | | | 21 | | | | | | | |
| | | | | | | 22 | | | | | | | |
| | | | | | | 23 | | | | | | | |
| | | 36" | NONE | | | 24 | | | | | | | |
| | | | | | | 25 | | @24.5 fine angular gravel (road base??) | | | | | |
| 0.0 | | | | | | 26 | | | | | | | |
| | | | | | | 27 | | | | | | | |
| | | 36" | NONE | | | 28 | SP/SM | @27.5 Poorly Graded Sand (SP), very pale brown (10YR 8/4), loose, dry, fine sand, medium sand, no stains or odors, fill | TR | - | - | 20 | 80 | - |
| | | | | | | 29 | | @28.5 Silty Sand (SM), brown (10YR 5/3), loose, dry, fine sand, silt, fill trace fine gravel (V.O.) | TR | - | - | 70 | 30/ |
| | | | | | | 30 | | | | | | | |

Cont next ...

Boring ID: SCSV-DG-570 Project: Phase 3 DOT Soil Vapor DG Sheet 3 of 3

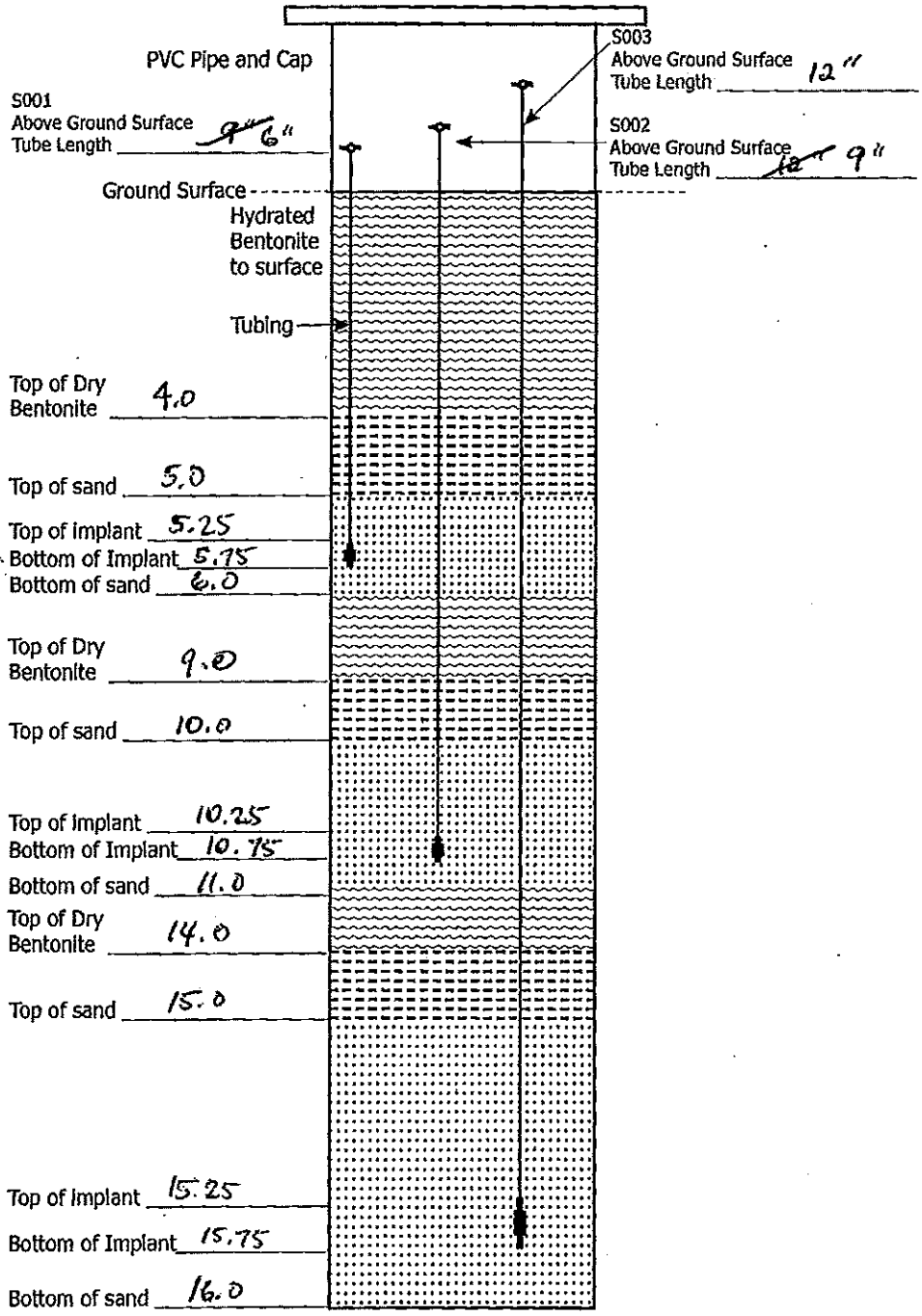
| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | | 36" | NONE | | | 30 | | @30' yellow (10YR 7/6) oxidation. | | | | | |
| | | | | | | 31 | | | | | | | |
| | | | | | | 32 | | | | | | | |
| | | | | | | 33 | | | | | | 0.0 | |
| | | 36" | NONE | | | | | | | | | 60 | |
| | | | | | | 34 | | Grades to Silty Sand w/ gravel → | 10 | - | 10 | 70 | 20/ |
| | | | | | | 35 | | | | | | | |
| | | | | | | 36 | | | | | | | |
| | | 36" | NONE | | | 37 | | | | | | | |
| | | | | | | | SP | Poorly graded sand (SM), light yellowish | - | - | - | 100 | - |
| | | | | | | 38 | SM | brown (10YR 6/4), loose, dry, fine sand, fill | - | - | - | 75 | 25/ |
| | | | | | | 39 | | @38' Silty Sand (SM), brown (10YR 5/3), | | | | | |
| | | | | | | 40 | | med. dense, dry, fine sand, non-plastic silt, no odors, yellow stains (5Y 7/8), fill | | | | | |
| | | 36" | NONE | | | | | | | | | | |
| | | | | | | 41 | | | | | | | |
| | | | | | | 42 | | | | | | | |
| | | | | | | 43 | | | | | | | |
| | | 36" | NONE | | | | | | | | | | |
| | | | | | | 44 | | | | | | | |
| | | | | | | 45 | | No refusal! Drilling halted due to lack of drilling mud and time of day | | | | | |
| | | | | | | | | 44.0 | | | | | |
| | | | | | | 6 | | TD= 45.0'; borehole collapsed to 44.5 during trip out. Install vapor probes at 5.0-6.0, 10.0-11.0, 15.0-16.0, | | | | | |
| | | | | | | 7 | | 20.0-21.0, 30.0-31.0, 40-41.0. | | | | | |
| | | | | | | 8 | | Backfill 41.0 to 44.0 w/ med. chips | | | | | |
| | | | | | | 9 | | | | | | | |

MWH

# Multiple Soil Vapor Probe Construction Diagram



Probe ID/Soil ID: SCSV-DG-570
Project: Phase 3 DoE SV DG
Job #: 10503982
Site: SASC
Logged by: V. Vathanasin
Reviewed by:
Drilling Contractor: EST
Driller: Morgan Hughes
Rig Type/Method: Geoprobe 5400/DP
Borehole TD: 45.0
Borehole Diameter: 2.25
Probe Completion Date/Time: 1630/5-29-14




**Vapor Implant Specs**
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

**Tubing Specs**
Material: Teflon
Diameter: 1/4"
Color: Clear

**Sand Pack Specs**
Grain Size: #3
Manufacturer: Cemex

**Dry Bentonite**
Type: #8
Manufacturer: Cetco

**Hydrated Bentonite**
Type: #8
Manufacturer: Cetco

**Notes:**
1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

# Multiple Soil Vapor Probe Construction Diagram

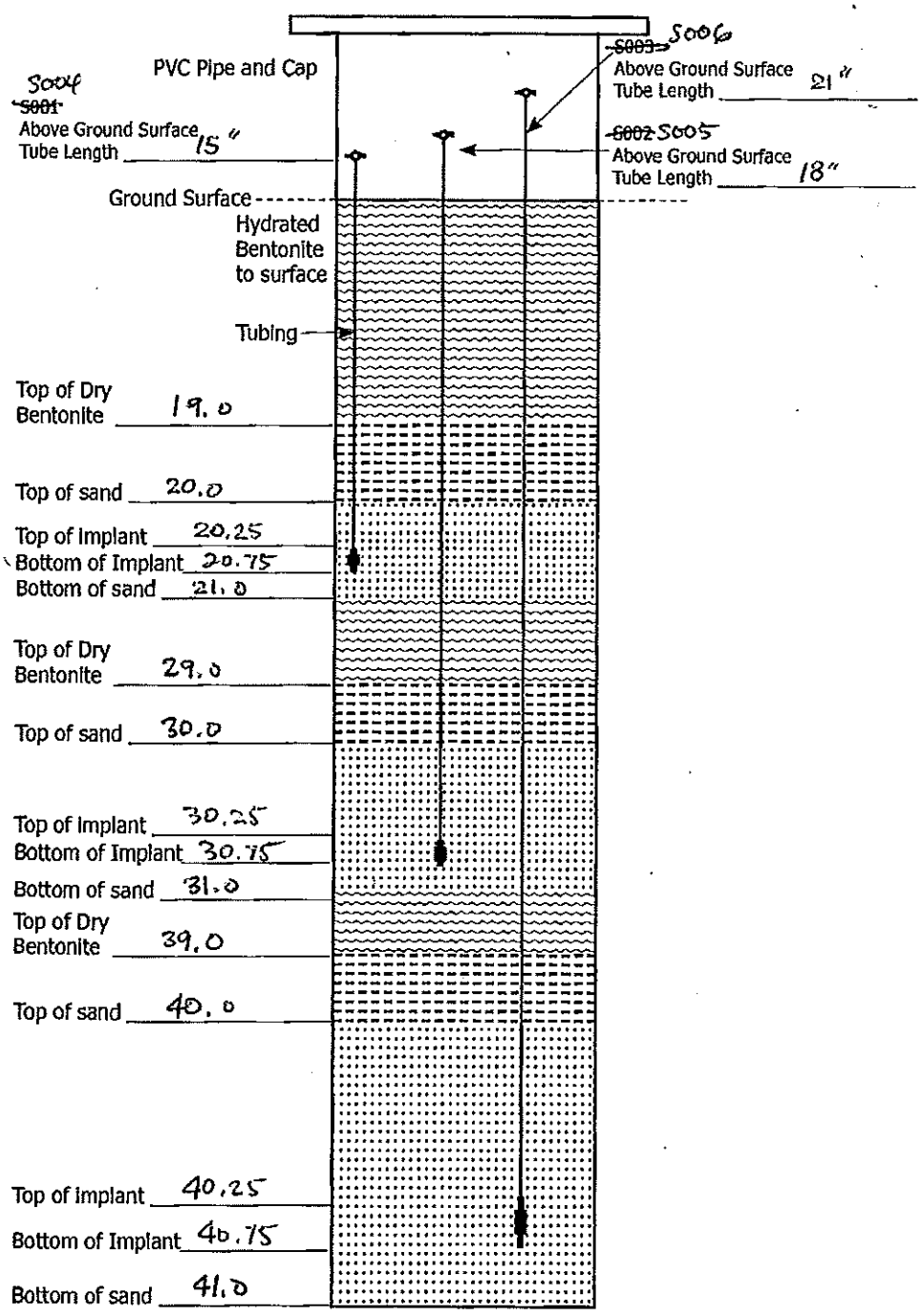


MWH.

Probe ID/Soil ID: SCSV-DG-5TD
Site: SASC
Drilling Contractor: EST
Borehole TD: 45.0

Project: Phase 3 DOE SV DG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 8.25"

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe
Probe Completion Date/Time: 1630/5-29-14




**Vapor Implant Specs**
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

**Tubing Specs**
Material: Teflon
Diameter: ~~6mm~~ (V.V.) 1/4"
Color: ~~3/8~~ (V.V.) clear

**Sand Pack Specs**
Grain Size: #3
Manufacturer: Cemex

**Dry Bentonite**
Type: #8
Manufacturer: Cetco

**Hydrated Bentonite**
Type: #8
Manufacturer: Cetco

**Notes:**

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

MWH

Boring ID: 5CSV-DG-572 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5C

Logged By: V. Vathanagin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 7.8'

Drill Bit Type: Macrocore

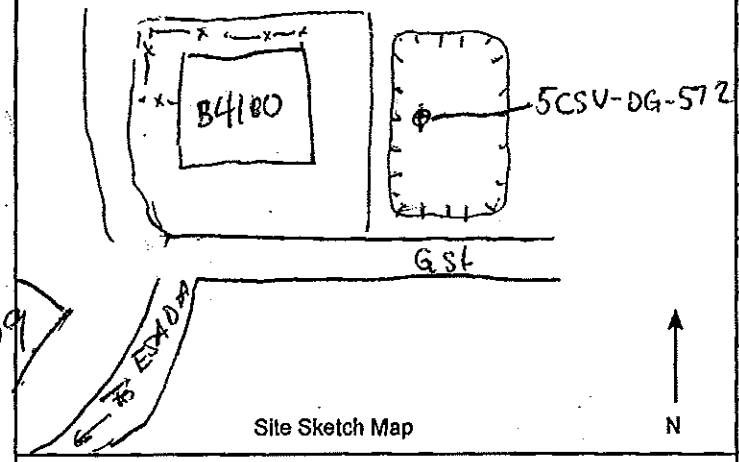
Drill Start Time/Date: 1255 / 5-20-14 Drill Finish Time/Date: 1315 / 5-20-14

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Surface Completion: Soil vapor probe

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None




Soil Vapor ID: 5CSV-DG-572

Soil Vapor Well Completion Time/Date: 1326 / 5-20-14

Soil Vapor Probe Depths (ft.bgs): 6.8-7.8

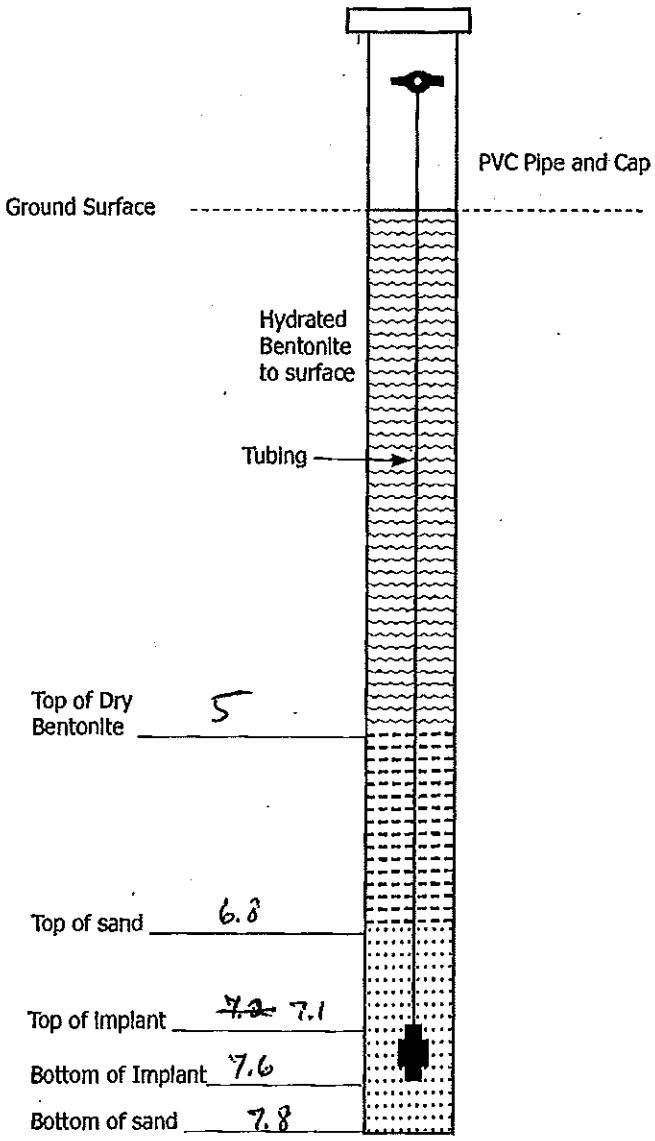
Soil Vapor Well Detail Completed (yes/no)

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Surface Description: Grass, in a depression E of B180. Silty Sand (SM), brown (10YR 5/3), loose, dry, fine sand, non-plastic silt, friable, fill, few roots | - | - | - | 60 | 40/ |
| | | 48" | NONE | | | 1 | | | | | | | |
| | | | | | | 2 | ML | Silt (ML), brown (10YR 5/3), med. stiff, dry, low plasticity silt, fine sand | - | - | - | - | 100 |
| 0.0 | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | grades with clay (low plasticity) | - | - | - | - | 80/20 |
| | | | | | | 5 | | | | | | | |
| | | 36" | | | | 6 | SM | @5.5 Silty Sand (SM) very pale brown (10YR 7/4) with yellow (10YR 7/8) iron staining. | | | | | |
| | | | NONE | | | 7 | | | | | | | |
| 0.0 | | | | | | 8 | | @7.8' Sandstone, weathered. TD= 7.8', refusal on bedrock. Install vapor probe at 6.8-7.8 ft bgs. | | | | | |
| | | | | | | 9 | | | | | | | |

MWH

# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SCSV-DG-572
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling
Site: SC
Reviewed by:
Logged by: V. Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400/DP
Driller: Morgan Hughes
Borehole TD: 7.8
Probe Completion Date/Time: 1326/5-20-14
Borehole Diameter: 2.25"




Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Comey

Dry Bentonite
Type: #8
Manufacturer: Cetco

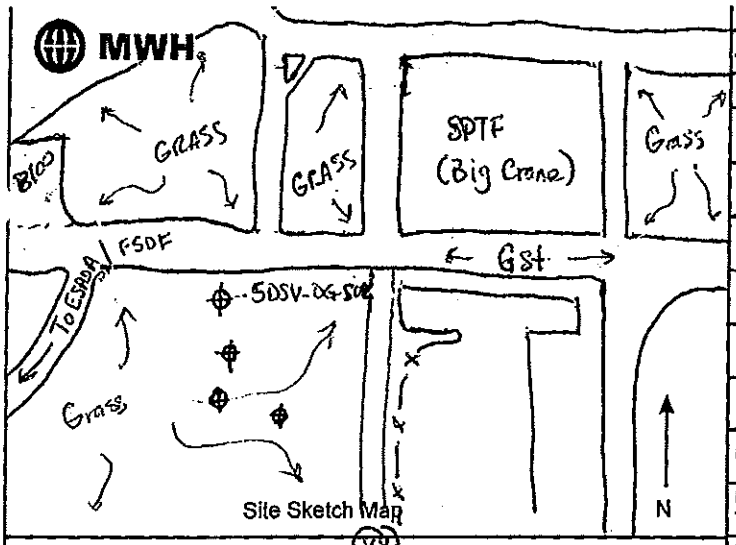
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH



Site Sketch Map

Boring ID: SDSV-DG-502 Sheet 1 of 2

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5D

Logged By: V. Vatharasri Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 19

Drill Bit Type: Macrocore

Drill Start Time/Date: 0750 / 5-21-14 Drill Finish Time/Date: 0845 / 5-21-14

Soil Vapor ID: SDSV-DG-~~503~~ 502

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 0935 / 5-21-14

Observations: ☒ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 13.0-14.0, 18.0-19.0

Surface Completion: Soil vapor probe

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Surface Description: Grass, gravel debris | | | | | |
| | | 42" | NONE | | | 0 | GW | Gravel (Road Base) (GW), light gray (10YR 7/2), loose, dry, fine to coarse gravel, fill, no stains or odors, at 2" Silt w/ sand (ML), brown (10YR 5/3), very stiff, dry, non-plastic silt, fine sand, moderate cementation, | 100 | — | — | — | — |
| | | | | | | 1 | ML | | - | - | - | 10 | 90/ |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| 0.1 | | | | | | 4 | | | | | | | |
| | | 24" | NONE | | | 5 | | Sandy Silt (ML), pale brown (10YR 6/3), stiff, dry, non-plastic silt, fine sand, | — | - | - | 25 | 75/ |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | color changes to brownish yellow (10YR 6/6), | — | — | - | 70 | 30 |
| | | | | | | 9 | SM | Silty Sand (SM), brownish yellow (10YR 6/6 to very pale brown (10YR 7/4), loose, dry | | | | | |

cont'd next page

cont'd next page



5-6
13-14
18-19

Boring ID: SDSV-DG-502 Project: Phase 3 DOE SV DG Sheet 2 of 2

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 30" | NONE | | | 10 | | fine sand, non-plastic silt, interlayered color changes, native soil | | | | | |
| 0.0 | | | | | | 11 | | | | | | | |
| | | | | | | 12 | | | | | | | |
| | | | | | | 13 | | | | | | | |
| | | 36" | NONE | | | 14 | | | | | | | |
| 0.0 | | | | | | 15 | | Grades w/ clay fraction, low plasticity | - | - | - | 70 | 20/10 |
| | | | | | | 16 | | Grades w/o clay | - | - | - | 70 | 30 |
| | | 34" | NONE | | | 17 | | Grades w/ clay | - | - | - | 70 | 20/10 |
| 0.3 | | | | | | 18 | | | | | | | |
| | | | | | | 19 | | Sandstone, heavy weathering | | | | | |
| | | | | | | 20 | | TD = 19. Refusal on bedrock, install vapor probes at 5.0-6.0, 13.0-14.0, and 18.0-19.0 | | | | | |
| | | | | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

MWH

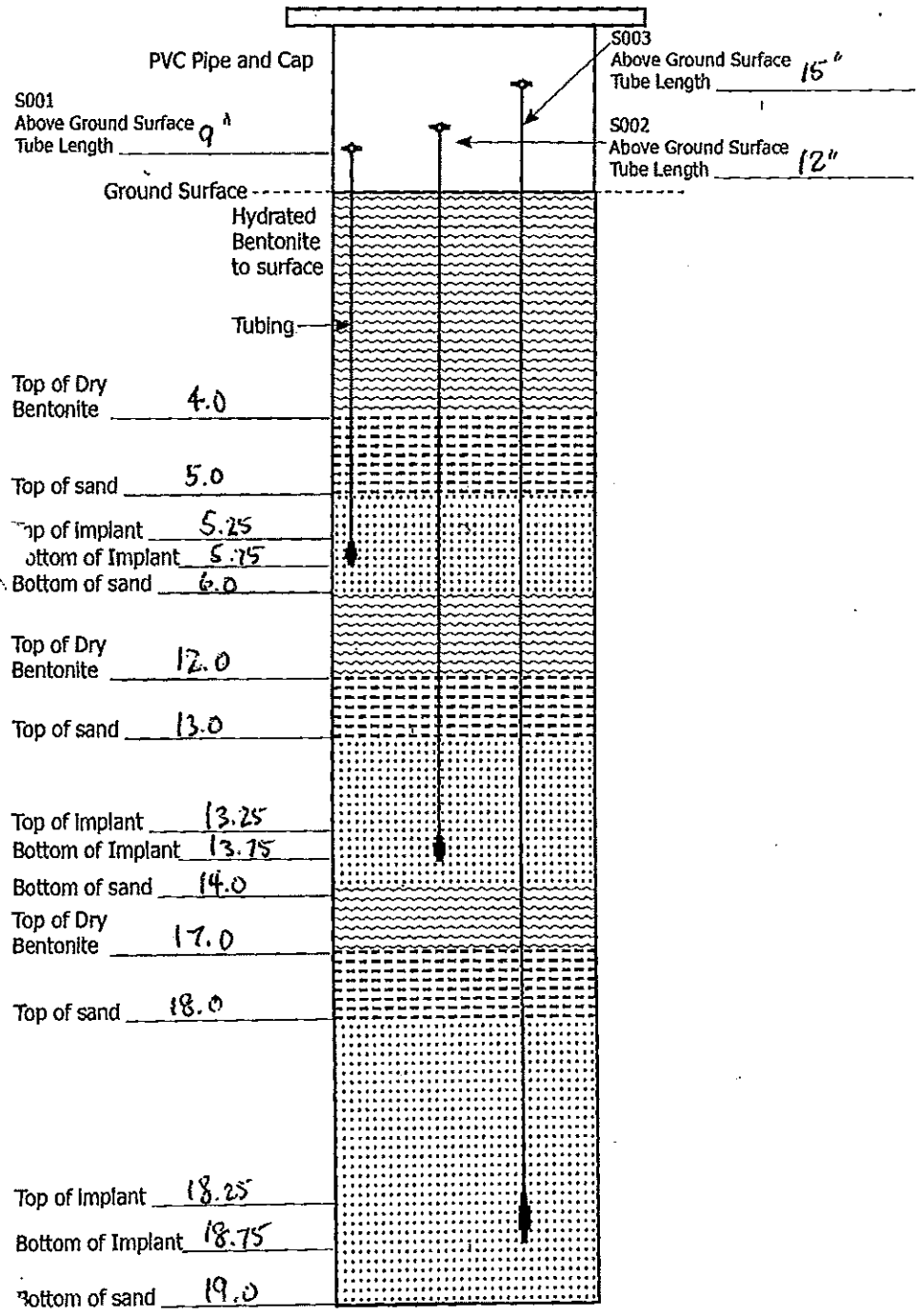
# Multiple Soil Vapor Probe Construction Diagram



Probe ID/Soil ID: SDSV-DG-502
Site: SA SD
Drilling Contractor: EST
Borehole TD: 19.0

Project: Phase 3 DOE SVDG
Logged by: V. Vathanaun
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 105093982 (V.V.)
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 0935 / 5-21-14




Vapor Implant Specs (V.V.)
Material: Stainless ~~Steel~~ Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: CETCO

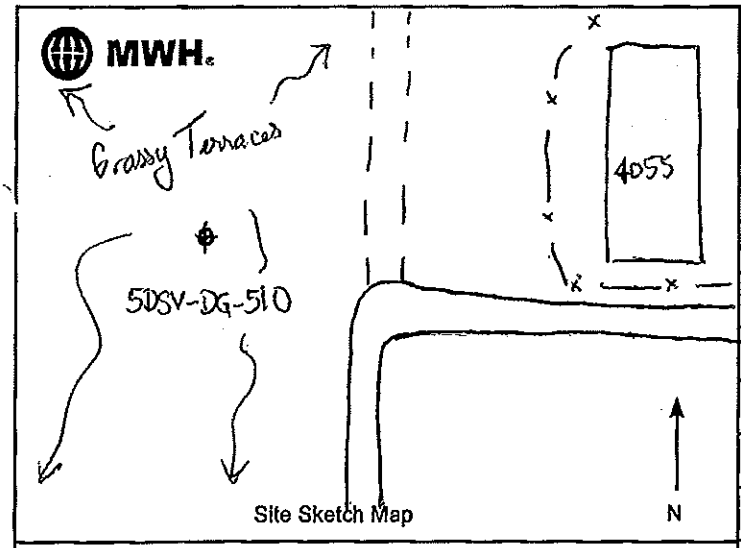
Hydrated Bentonite
Type: #8
Manufacturer: CETCO

**Notes:**

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

MWH



Site Sketch Map

Boring ID: 5DSV-DG-510 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 3A SD

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 8.5

Drill Bit Type: Macrocore

Drill Start Time/Date: 1030 / 5-22-14 Drill Finish Time/Date: 1050 / 5-22-14

Soil Vapor ID: 5DSV-DG-510

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 1059 / 5-22-14

Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): 7.5-8.5

Surface Completion: Soil Vapor probe

Soil Vapor Well Detail Completed (yes) no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Surface Description: In depression, grassy | | | | | |
| | | | | | | | | Silty Sand (SM), pale brown (10YR 6/3), loose, dry, fine to coarse sand, non-plastic silt, no stains or odors, fill | — | 20 | 30 | 20 | 30 |
| | | 30" | | | | 1 | | | | | | | |
| | | | | | | | | | 10 | 10 | 30 | 20 | 30 |
| | | | | | | 2 | | @ 1.5' grades w/ fine angular gravel | | | | | |
| | | | | | | | a | Clay (CL), brown (10YR 5/3), stiff, moist, medium plasticity clay (clean), weathered gfx and clay grains, no stains or odors, fill | — | - | 10 | - | 90 |
| | | | | | | 3 | | | | | | | |
| 0.0 | | | | | | 4 | | | | | | | |
| | | | | | | | | @ 4.5' Silt w/ clay (ML), brownish yellow (10YR 5/6), stiff, dry to very slightly moist, low to non-plastic fines, white (10YR 8/1) streaks (weathered gfx), fill | | | | | |
| | | 48" | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | SM | Silty Sand (SM), very pale brown (10YR 7/4), loose, dry, fine sand, non-plastic silt and clay, weak clay cement, no odors or stains, native soil | | | | | |
| 0.2 | | | | | | 8 | | | | | | | |
| | | 6" | | | | | | @ 8.5 Sandstone | | | | | |
| | | | | | | 9 | | TD = 8.5'. Refusal on bedrock. Install | | | | | |

QA/QC
Surficial media boring log rev 2-25-2014

MWH

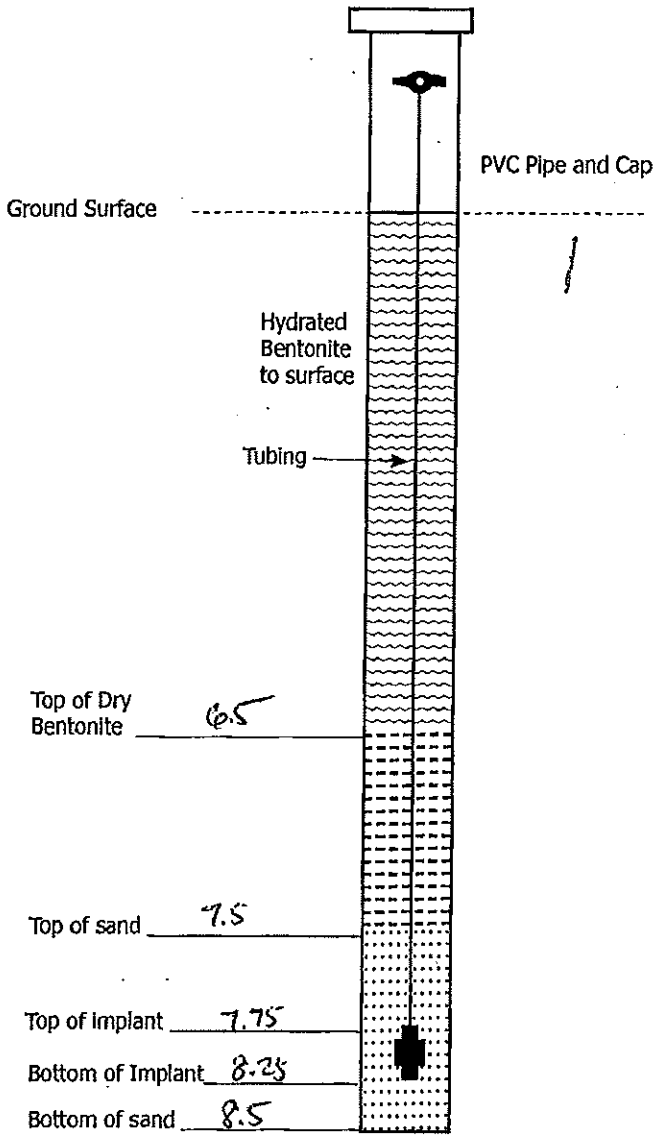
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SDSV-DG-510 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling

Site: 3ASD | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400/DP | Driller: Morgan Hughes

Borehole TD: 8.5 | Probe Completion Date/Time: 1059/5-22-14 | Borehole Diameter: 2.25"




**Vapor Implant Specs**

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

**Tubing Specs**

Material: Teflon

Diameter: 1/4"

Color: Clear

**Sand Pack Specs**

Grain Size: #3

Manufacturer: Cemex

**Dry Bentonite**

Type: #8

Manufacturer: Cetco

**Hydrated Bentonite**

Type: #8

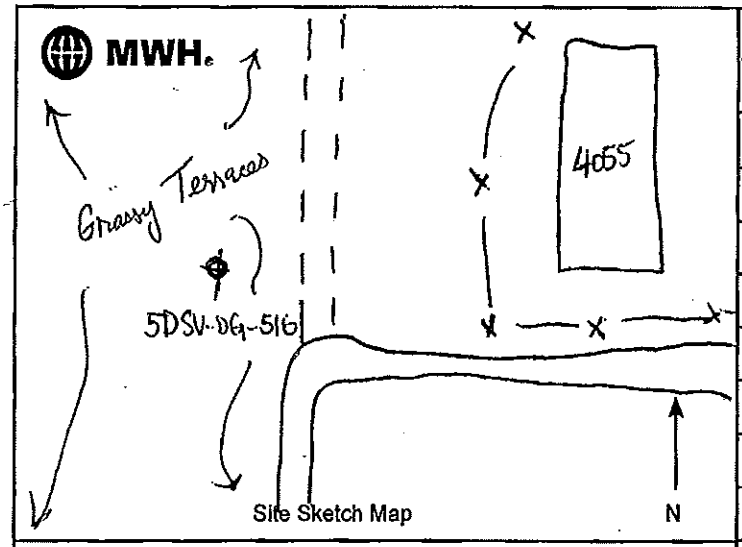
Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH



Site Sketch Map

| | | | |
|---|---|---|---|
| Boring ID: 5DSV-DG-516 | Sheet 1 of 2 | | |
| Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014 | | | |
| Job #: 10503982.3050105/ 10503982.3060105 | Site: SASD | | |
| Logged By: V. Vathanasin | Reviewed By: | | |
| Drilling Contractor: EST | Drillers Name: Morgan Hughes | | |
| Drill Rig Type/Method: Geoprobe 5400 / DP | | | |
| Sampler Type: Macrocore | | | |
| Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 16.0 | | |
| Drill Bit Type: Macrocore | | | |
| Drill Start Time/Date: 0903 / 5-22-14 | Drill Finish Time/Date: 0955 / 5-22-14 | | |
| Soil Vapor ID: 5DSV-DG-516 | Soil Boring Backfill Time/Date: N/A | Backfill Material: N/A | |
| Soil Vapor Well Completion Time/Date: 1019 / 5-22-14 | Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None | | |
| Soil Vapor Probe Depths (ft.bgs): 6.0-7.0, 14.0-15.0 | Surface Completion: Soil Vapor Probe | | |
| Soil Vapor Well Detail Completed (yes/no) | Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None | | |

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | ML | Surface Description: Grass<br>Silt (ML), light yellowish brown (10YR 6/4), stiff, dry, non-plastic silt, trace granitic gravel (fine), grass roots, no stains or odors, fill | TR | – | – | – | 100/ |
| | | 36" | | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | CH | (V.V.) Fat Clay (CH), brown (10YR 4/3), stiff, moist, medium to high plasticity clay, & trace fine granitic gravel, fill | TR | | | | |
| | | 40" | | | | 5 | | | | | | | |
| | | | | | | 6 | CL-SC | @6'-6.25 Well Graded Sand w/ clay (SW-SC), brownish yellow (10YR 6/6), loose, dry, fine to coarse sand, med plasticity clay, weak clay cement, fill | | | | | |
| 0.1 | | | | | | 7 | CH | @6.25 - Same as 4 ft. | | | | | |
| | | | | | | 8 | | @ 8' 1.5-inch granodiorite (?) gravel | | | | | |
| | | 30" | | | | 9 | | | | | | | |

Boring ID: SDSV-DG-5/6 Project: Phase 3 SV DG 2014 Sheet 2 of 2

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 10 | | | | | | | |
| | | | NONE | | | 11 | CL | Silty Clay (CL), dark yellowish brown (10YR 4/6), stiff, dry, medium plasticity, clay and silt, native soil | -- | -- | -- | -- | 30/70 |
| | | 36" | | | | 12 | | | | | | | |
| | | | | | | 13 | | | | | | | |
| | | | | | | 14 | SM | Silty Sand (SM), light yellowish brown (10YR 6/4), loose, dry, fine sand, non-plastic silt, non-cemented, native soil | -- | - | - | 60 | 40 |
| 0.0 | | 24" | NONE | | | 15 | | | | | | | |
| | | | | | | 16 | BR | Weathered Shale - bedrock | | | | | |
| | | | | | | 17 | | | | | | | |
| | | | | | | 18 | | TD=16.0 ft, refusal on bedrock. Install probes at 6.0-7.0 and 14.0-15.0. Backfill w/ medium chips to 15.0-16.0. | | | | | |
| | | | | | | 19 | | | | | | | |
| | | | | | | 20 | | | | | | | |
| | | | | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

# Multiple Soil Vapor Probe Construction Diagram

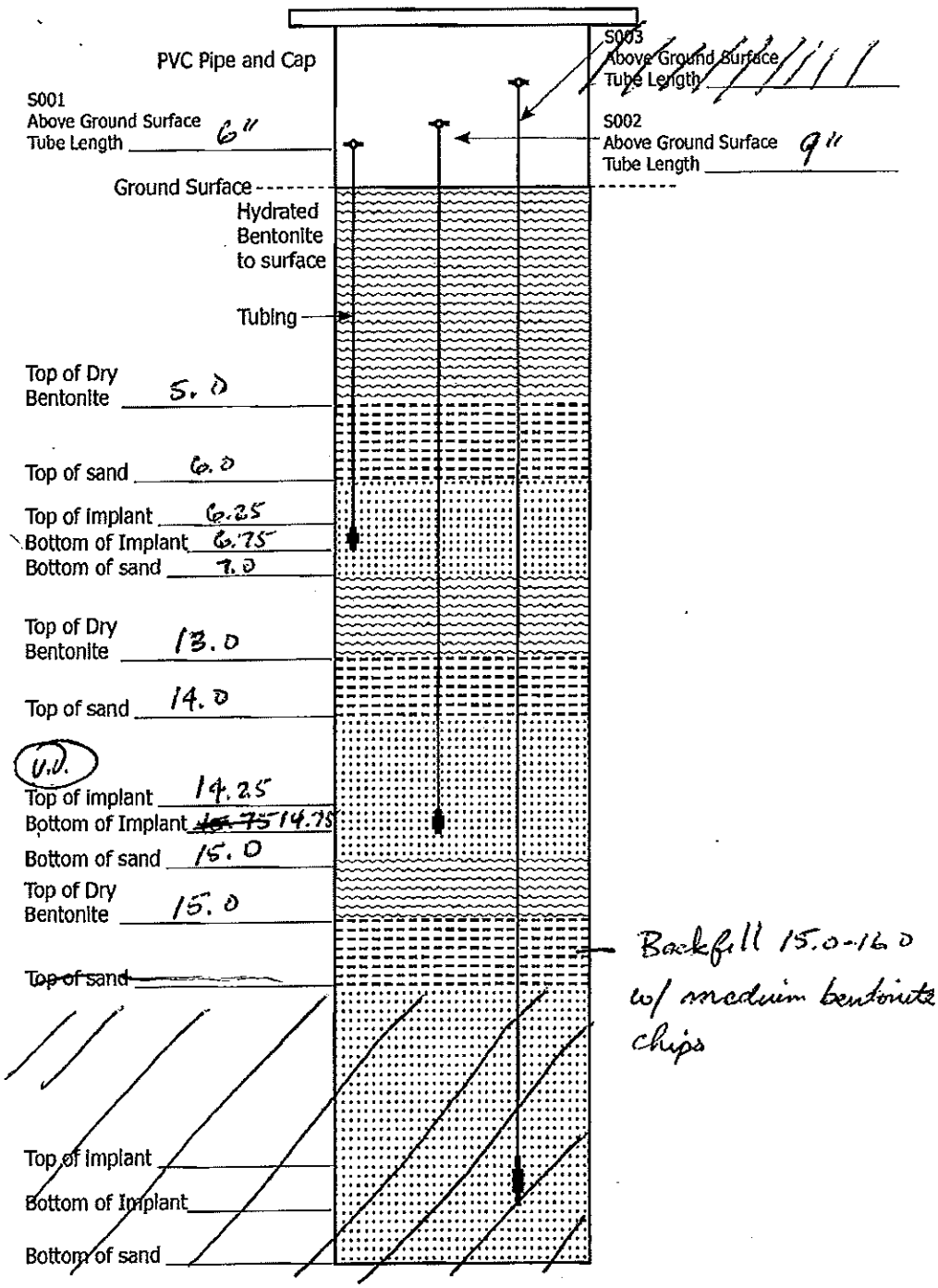


MWH

Probe ID/Soil ID: SOSV-DG-516
Site: 3A SD
Drilling Contractor: EST
Borehole TD: 16

Project: DOE Phase 3 SVDG
Logged by: V. Vathanavin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 105039820
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 1019 / 5-22-16




**Vapor Implant Specs**
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

**Tubing Specs**
Material: Teflon
Diameter: 1/4"
Color: Clear

**Sand Pack Specs**
Grain Size: #3
Manufacturer: Cemex

**Dry Bentonite**
Type: #8
Manufacturer: Cetco

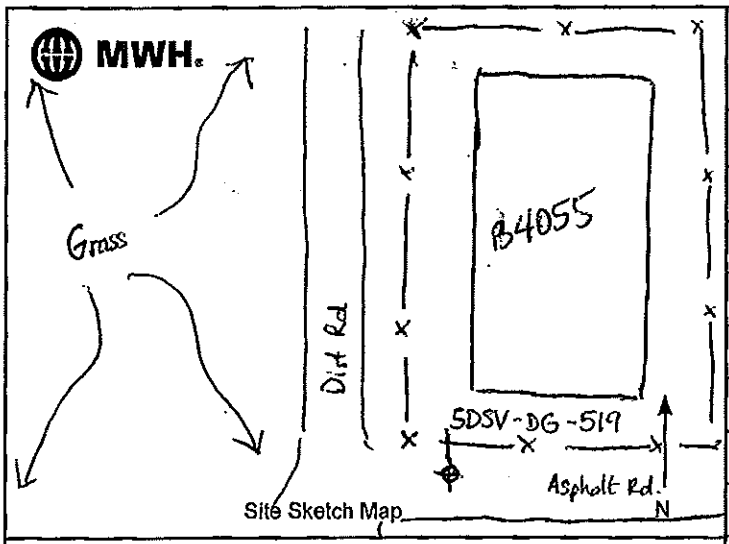
**Hydrated Bentonite**
Type: #8
Manufacturer: Cetco

**Notes:**

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

MWH



Site Sketch Map

Boring ID: SDSV-DG-519 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: SD

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25 Total Depth (ft.bgs): 9.5

Drill Bit Type: Macrocore

Drill Start Time/Date: 1211 / 5-22-14 Drill Finish Time/Date: 1225 / 5-22-14

Soil Vapor ID: SDSV-DG-519

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 1300 / 5-22-14

Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): 8.5-9.5

Surface Completion: Soil vapor probe

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) Surface Description: Asphalt | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | | 9" Asphalt | | | | | |
| | | | | | | 1 | CL | Clay (CL), very dark gray (10YR 3/1), med. stiff; moist; medium plasticity clay, asphalt staining, faint asphalt | - | - | - | - | 100 |
| | | 48" | | | | 2 | | odors, fill | | | | | |
| | | | NONE | | | 3 | | color changes to yellowish brown (10YR 5/4) | | | | | |
| 00 | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | trace gravel | TR | - | - | - | 100 |
| | | 45" | | | | 6 | | color lightens to brownish yellow (10YR 6/6) | | | | | |
| | | | NONE | | | 7 | CL | Sandy Clay (CL), yellowish brown (10YR 5/4), med. stiff, dry, low plasticity, clay & | | | | | |
| 00 | | | | | | 8 | | fine sand, white streaks (10YR 8/1), | | | | | |
| | * TD = 9.5 ft. Refusal on bedrock. Installed probe | | 8.5-9.5' | | | 9 | | @8.5 Very dark gray (10YR 3/1) stains, no odor | - | - | - | 65 | 35 |
| | | | | | | | BR | @9.0 ft Silty Sand (SM), v. pale brown (10YR | | | | | |

QA/QC

Surficial media boring log rev 2-25-2014

MWH

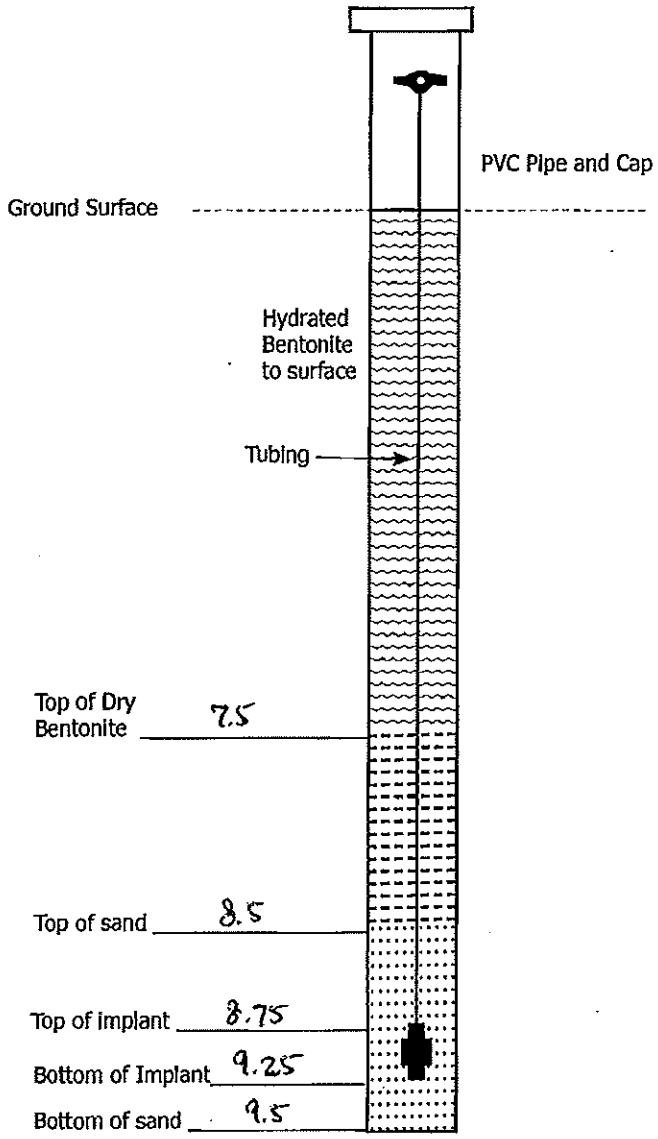
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SDSV-DG-519 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling

Site: SD | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400/DP | Driller: Morgan Hughes

Borehole TD: 9.5 | Probe Completion Date/Time: 1300/5-22-14 | Borehole Diameter: 2.25"




Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 3/8"

Color: Clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8

Manufacturer: Cetco

Hydrated Bentonite

Type: #8

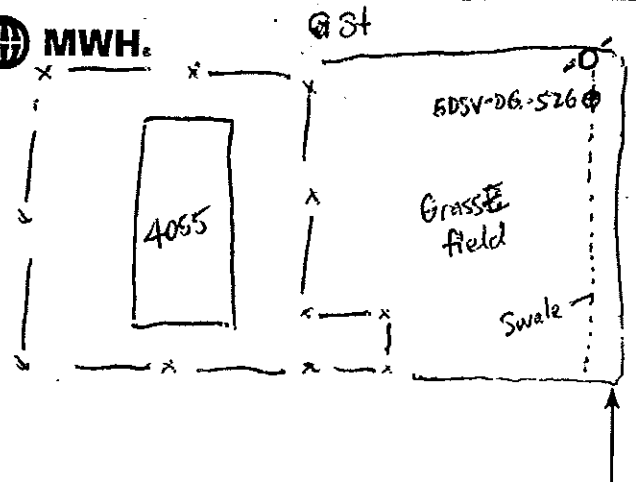
Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH




Site Sketch Map

Boring ID: 5DSV-DG-526 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5D

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: (HV) Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 8.5

Drill Bit Type: Macrocore

Drill Start Time/Date: 0800 / 5-23-14 Drill Finish Time/Date: 0820 / 5-23-14

Soil Vapor ID: 5DSV-DG-526

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 0845 / 5-23-14

Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): 7.5 - 8.5

Surface Completion: Vapor Probe

Soil Vapor Well Detail Completed (yes)/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | ML | Surface Description: N. flowing drainage swale | | | | | |
| | | | | | | | | Silt (ML), brownish yellow (10YR 6/6), stiff, dry, low plasticity (HV) silt, trace sand (disappears @ 0.5'), gravel deposits at the surface, roots. fill | TR | - | - | - | 100/- |
| | | 36" | None | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | Grades w/ sand, color changes to yellowish brown (10YR 5/6) | - | - | - | 15 | 85/ |
| 0.0 | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | 48" | None | | | 6 | CL | Silty Clay (CL), brown (10YR 5/3), stiff, slightly moist, low to med. plasticity clay, silt, white nodules of decomposing quartz or felspar, fill. | - | - | - | - | 25/75 |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | SM | | | | | | |
| 0.1 | | 6" | | | | | | Silty Sand (SM), very pale brown (10YR 7/4) | - | - | - | | |
| | | | | | | 9 | Br | with brownish yellow staining (10YR 6/6), | | | | | |
| TD = 8.5', refusal on bedrock. Install probe 7.5 - 8.5' | | | | | | | | med stiff, dry, few sand, non-plastic silt, native soil @ 8.5' Sandstone | | | | | |

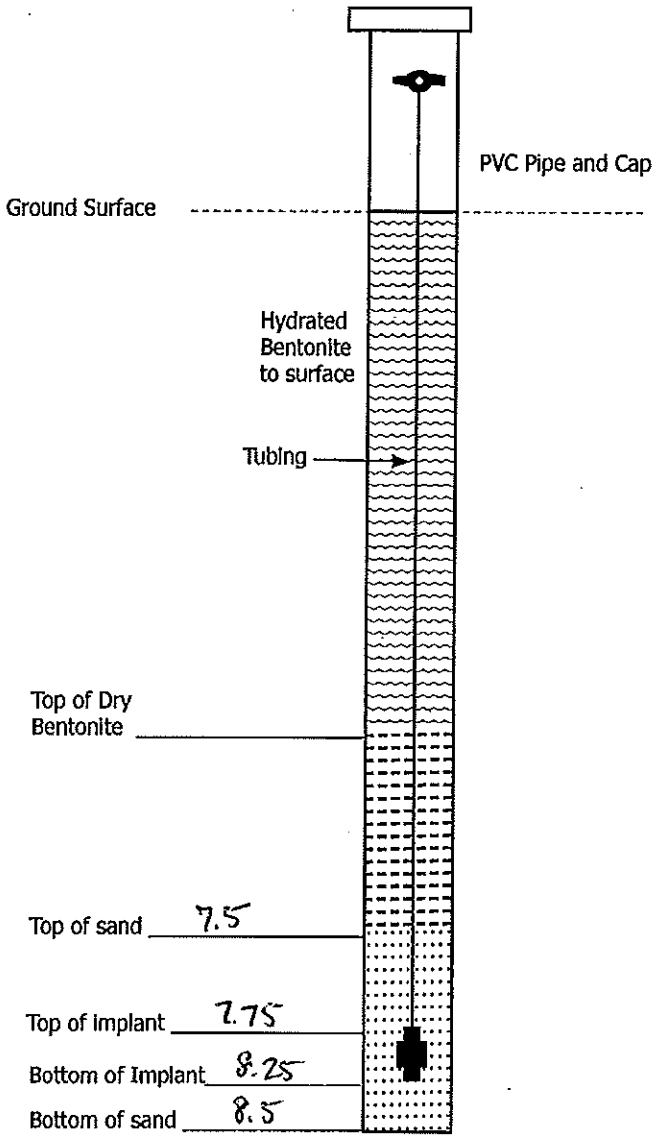
QA/QC

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# Single Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SDSV-DG-526
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling
Site: 3A SD
Reviewed by:
Logged by: V. Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400 / DP
Driller: Morgan Hughes
Borehole TD: 8.5
Probe Completion Date/Time: 0845 / 5-23-14
Borehole Diameter: 2.25"




Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

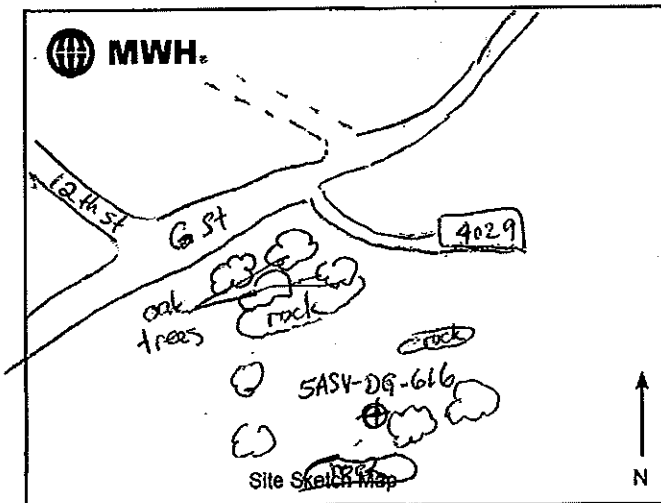
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH




Boring ID: SASV-DG-616 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: SA

Logged By: V. Vathanasri Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 7.5

Drill Bit Type: Macrocore

Drill Start Time/Date: 1229 / 6-6-14 Drill Finish Time/Date: 1236 / 6-6-14

Soil Vapor ID: SASV-DG-616

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A (N.V.)

Soil Vapor Well Completion Time/Date: 1255 / 6-6-14

Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 6.5-7.5

Surface Completion: Soil vapor probe

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Silty Sand (SM), yellowish brown (10YR 5/4), loose, dry, fine sand, non-plastic silt, slightly compacted, fill | - | - | - | 65 | 35 |
| | | 45" | NONE | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | @2.5 grades to med. stiff. | - | - | 15 | 55 | 30 |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | SP-SM | Poorly Graded Sand w/ Silt (SP-SM) yellowish brown (10YR 5/6), loose, dry, fine sand, silt, native soil | - | - | - | 70 | 30 |
| | | 42" | | | | 6 | | @6' color changes to brownish yellow, minor reddish yellow (7.5YR 7/6) iron stains (N.V.) | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | Br | Sandstone, weathered. | | | | | |
| | | | | | | 9 | | | | | | | |

Soil Description
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Grassy meadow in between oaks

MWH

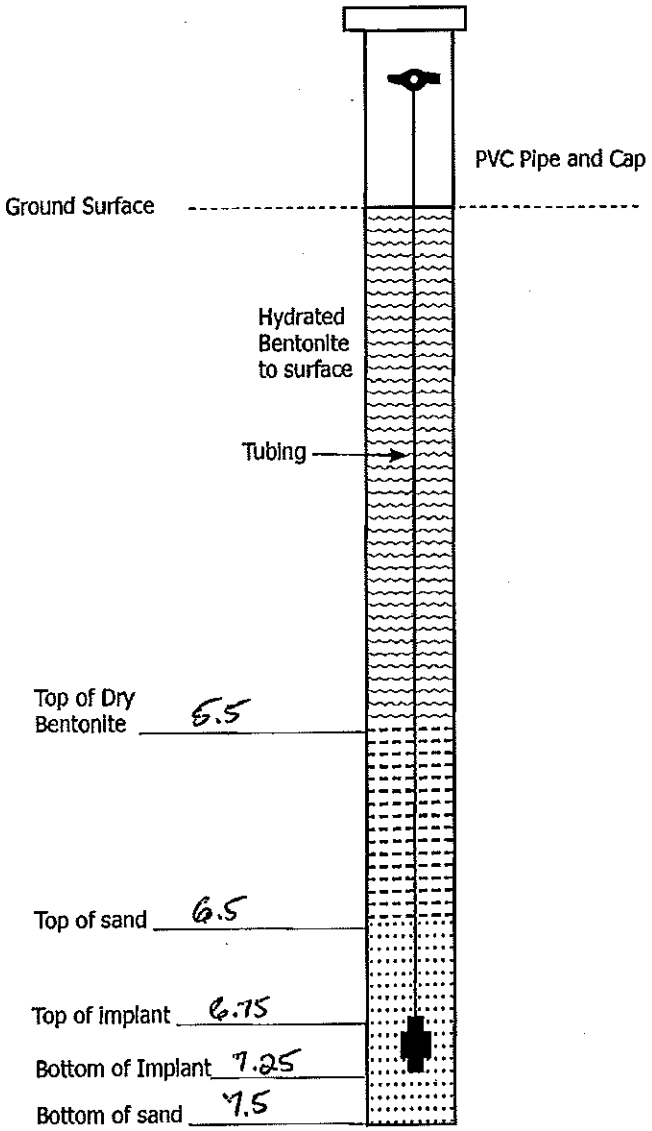
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV-DG-616 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 2

Site: SASA | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400/DP | Driller: Morgan Hughes

Borehole TD: 7.5 | Probe Completion Date/Time: 1255/6-6-14 | Borehole Diameter: 2.25"




Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: Clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8

Manufacturer: Cetco

Hydrated Bentonite

Type: #8

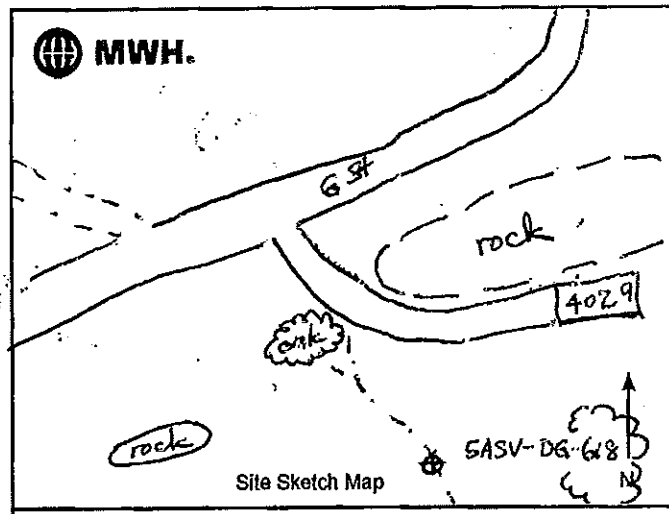
Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH.



Site Sketch Map

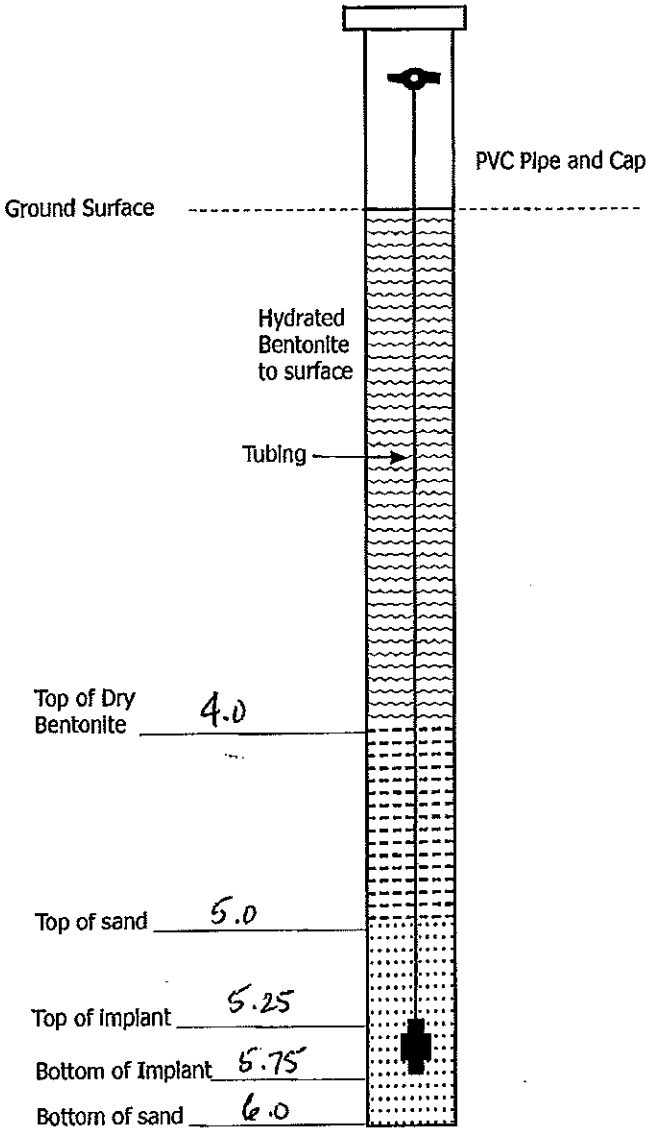
| | |
|---|---|
| Boring ID: 5ASV-DG-618 | Sheet 1 of 1 |
| Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014 | |
| Job #: 10503982.3050105/ 10503982.3060105 | Site: 5A |
| Logged By: V. Vathanasin | Reviewed By: |
| Drilling Contractor: EST | Drillers Name: Morgan Hughes |
| Drill Rig Type/Method: Macrocore / DP | |
| Sampler Type: Macrocore | |
| Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 7.0 |
| Drill Bit Type: Macrocore | |
| Drill Start Time/Date: 0945 / 6-6-14 | Drill Finish Time/Date: 1010 / 6-6-14 |
| Soil Vapor ID: 5ASV-DG-618 | Soil Boring Backfill Time/Date: N/A |
| Soil Vapor Well Completion Time/Date: 1031 / 6-6-14 | Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None |
| Soil Vapor Probe Depths (ft.bgs): 5.0-6.0 | Surface Completion: Soil Vapor probe |
| Soil Vapor Well Detail Completed (yes/no) | Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None |

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Surface Description: In drainage, grassy | | | | | |
| | Gas utility nearby Hand Auger to 5.0ft | | | | | 0 | SM | Silty Sand (SM), yellowish brown (10YR 5/4), loose, dry, fine sand, non-plastic silt, no stains or odors, alluvium (native soil) recently deposited. | - | - | - | 60 | 40/ |
| | | | | | | 1 | | | | | | | |
| | | | | | | 2 | | @ 1' backfill - possibly from gas-pipe installation. | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | 30" | | | | 5 | SP | Poorly Graded Sand (SP), brownish yellow (10YR 6/6), loose, dry, fine sand, trace silt, weak, roots, fill | - | - | - | 100 | TR/ |
| | | NONE | | | | 6 | | | | | | | |
| | | | | | | 7 | WB | 5.5-6.0 - Clump of silty sand w/ roots | | | | | |
| | | | | | | 8 | | Weathered bedrock - Shale & mud. to high plasticity clay, fissile. TD=7.0, refusal on shale bedrock, backfill w hydrated chips to 6.0ft and install vapor probe 5.0-6.0 ft | | | | | |
| | | | | | | 9 | | | | | | | |

# Single Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SASV-DG-618
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 2
Site: SASA
Reviewed by:
Logged by: V. Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400 / DP
Driller: Morgan Hughes
Borehole TD: 7.0
Probe Completion Date/Time: 1031 / 6-6-14
Borehole Diameter: 2.25




Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

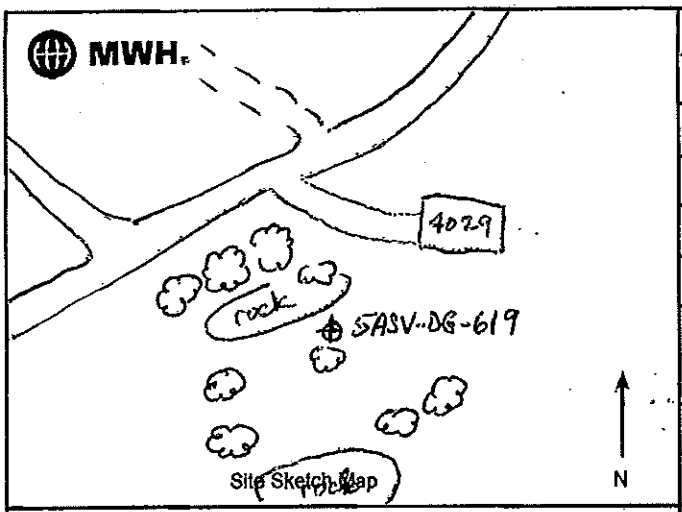
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

* Drilled into weathered bedrock. Backfill w/ hydrated bentonite chips to 6.0 ft (i.e, 6.0-7.0)

**Notes:**
1. Probes not drawn to scale.

**FIGURE 4-1**

MWH



Site Sketch Map

| | |
|---|---|
| Boring ID: SASV-DG-619 | Sheet 1 of 1 |
| Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014 | |
| Job #: 10503982.3050105/ 10503982.3060105 | Site: SA |
| Logged By: V. Vathanasin | Reviewed By: |
| Drilling Contractor: EST | Drillers Name: Morgan Hughes |
| Drill Rig Type/Method: | |
| Sampler Type: Macro core | |
| Borehole Diam (inch): 2.25" | Total Depth (ft bgs): 6.0 |
| Drill Bit Type: Macro Core | |
| Drill Start Time/Date: 1155 / 6-6-14 | Drill Finish Time/Date: 1203 / 6-6-14 |
| Soil Vapor ID: SASV-DG-619 | Soil Boring Backfill Time/Date: N/A |
| Soil Vapor Well Completion Time/Date: 1216 / 6-6-2014 | Backfill Material: N/A |
| Soil Vapor Probe Depths (ft.bgs): 4.5 - 5.5 | Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None |
| Soil Vapor Well Detail Completed (yes/no) | Surface Completion: Soil vapor probe |
| | Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None |

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) / Surface Description: | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Silty Sand (SM), brown (10YR 4/3), loose, dry, fine sand, non-plastic silt, non-cemented, few roots and leaves down to 3", native soil | - | - | - | 60 | 40 |
| | | 45" | | | | 1 | | | | | | | |
| 0.0 | | | NONE | | | 2 | | | | | | | |
| | | | | | | 3 | SP-SM | Poorly Graded Sand with silt (SP-SM), brownish yellow (10YR 6/6), loose, dry, fine sand and silt, native soil | - | - | - | 85 | 15 |
| | | 30" | | | | 4 | | | | | | | |
| 0.0 | | | NONE | | | 5 | CL | Sandy Clay (CL), very pale brown (10YR 7/4), med stiff matrix with stiff dry blocks of clay, low liquid limit / high dry strength, fine sand, possibly weathered shale. | - | - | - | 20 | 80 |
| | | | | | | 6 | Br | Shale, weathered. | | | | | |
| | | | | | | 7 | | TD = 6.0, refusal on bedrock. Install probe at 4.5 - 5.5 ft. Backfill w/ med. bent chips to 5.5 ft to avoid shale/clay | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

MWH

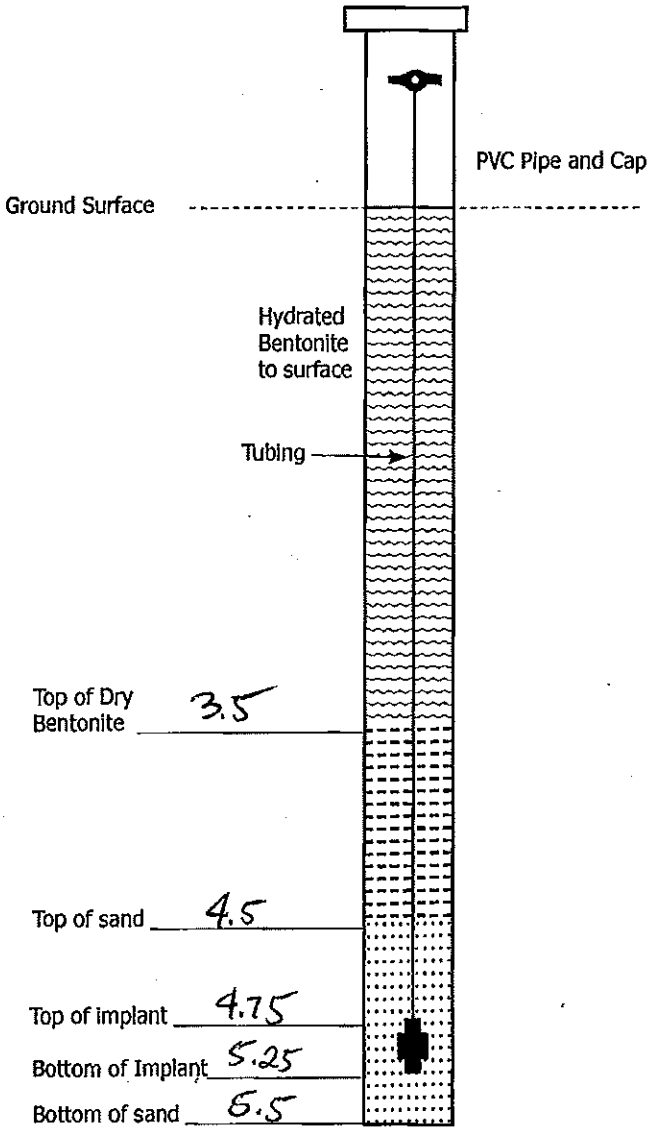
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV-DG-619 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling

Site: SA | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400/DP | Driller: Morgan Hughes

Borehole TD: 6.0 | Probe Completion Date/Time: 1216/6-6-2014 | Borehole Diameter: 2.25"




* Backfill 5.5-6.0 w/ med. bentonite chips to avoid clay/weathered shale.

Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

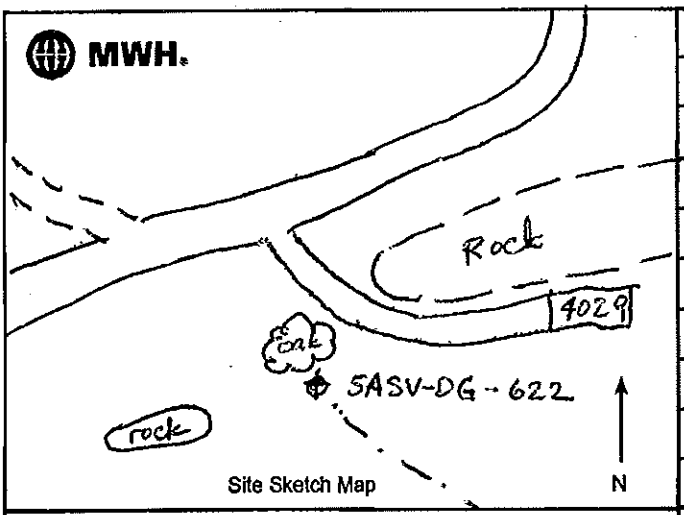
Hydrated Bentonite
Type: #8 Cetco
Manufacturer: CETCO

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH



Site Sketch Map

Boring ID: SASV-DG-622 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: SA

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 7.0

Drill Bit Type: Macrocore

Drill Start Time/Date: 1042 / 6-6-14 Drill Finish Time/Date: 1053 / 6-6-14

Soil Vapor ID: SASV-DG-622

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 1110 / 6-6-14

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): 6.0 - 7.0

Surface Completion:

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☐ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Silty Sand (SM), dark yellowish brown (10YR 4/4), loose, dry, fine sand and silt, roots, leaves down to 1-inch depth, fill | - | - | - | 60 | 40 |
| | | 42" | NONE | | | 1 | | | | | | | |
| | | | | | | 2 | | @ 2' color changes to yellowish brown (10YR 5/4), grades w/ med. sand, fill | - | - | 15 | 50 | 35 |
| 0.0 | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | @ 4 grades w/ ≤1% < 1mm very pale brown (10YR 8/3) nodules. | | | | | |
| | | 36" | NONE | | | 5 | | | | | | | |
| 0.0 | | | | | | 6 | SP | Poorly Sorted Sand (SP), brownish yellow (10YR 6/6), loose, dry, fine sand, slight yellowish brown (10YR 5/8) oxidation | | | | | |
| | | | | | | 7 | Br | | | | | | |
| | | | | | | 8 | | Sandstone, weathered. | | | | | |
| | | | | | | 9 | | TD = 7.0, refusal on bedrock, install probes (MW) at 6.0 - 7.0. | | | | | |

Soil Description
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: ~10' from culvert, asphalt chunks

MWH

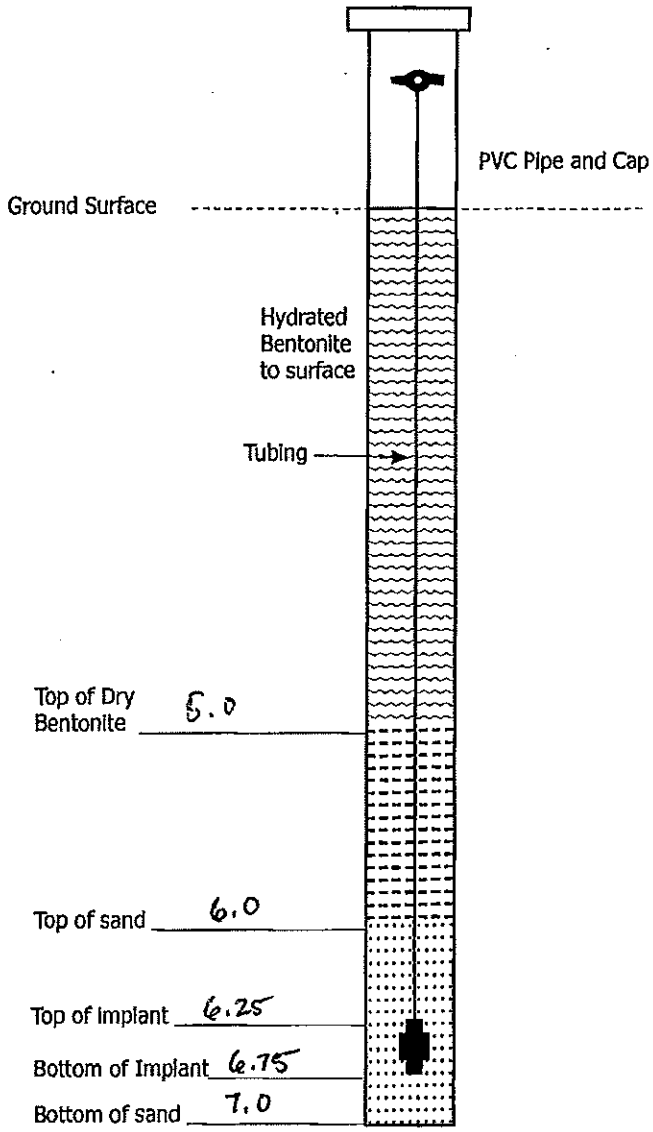
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV-DG-622 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling

Site: SA 5A | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 / DP | Driller: Morgan Hughes

Borehole TD: 7.0 | Probe Completion Date/Time: 1110 / 6-6-14 | Borehole Diameter: 2.25"




Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

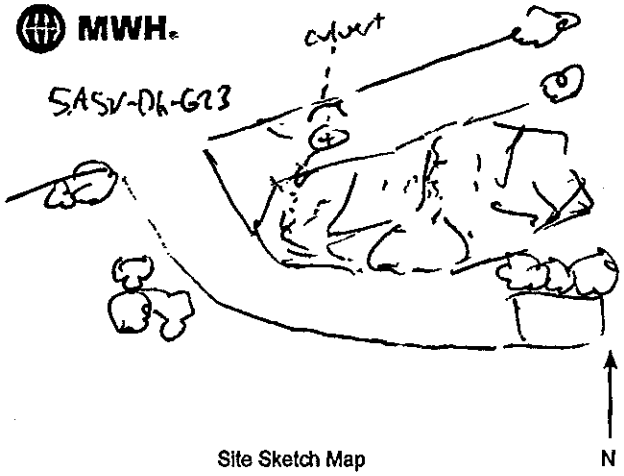
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH




Site Sketch Map

Boring ID: SA SV DA-623 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: SA

Logged By: JGM Ennis Reviewed By:

Drilling Contractor: EJT Drillers Name: MCGANNIGLE

Drill Rig Type/Method: Geoprobe 5400

Sampler Type: Bucket Auger 1 gal

Borehole Diam (inch): 3.5" Total Depth (ft.bgs): 1.5'

Drill Bit Type: Bucket auger

Drill Start Time/Date: 09JUN14 13:05 Drill Finish Time/Date: 09JUN14 13:25

Soil Vapor ID: N/A

Soil Boring Backfill Time/Date: 09JUN14 13:26 Backfill Material: Soil cuttings

Soil Vapor Well Completion Time/Date: N/A

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): N/A

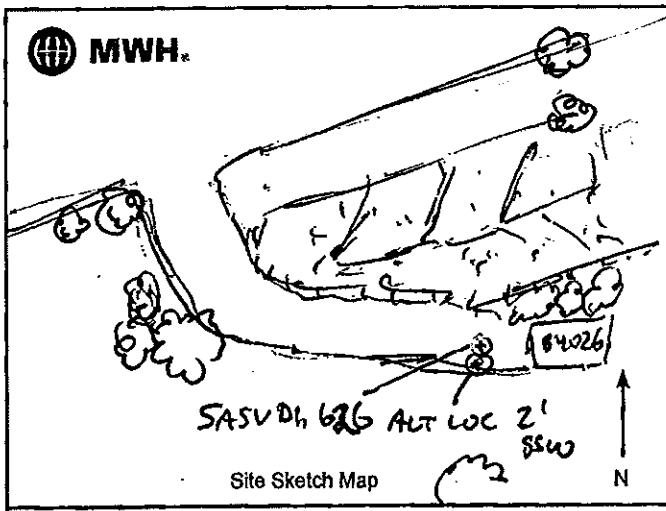
Surface Completion: none

Soil Vapor Well Detail Completed (yes/no) N/A

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | | 1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations<br>Surface Description: drainage; eff of culvert | | | | | |
| ND | X | 16" | | | | | SP | 0.0-1.5' (16") Poorly graded sand (SP). Dark yellowish brown (10YR 4/6). Loose - med dense; dry. Mostly fine sand (95), little silt (5) trace medium & coarse sand - No stain, no odor - Possible native. | | TR | TR | 85 | 15 |
| | | | | | TD | 1.5 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | TD = 1.5' bgs w/ refusal on Sandstone bedrock | | | | | |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | | Backfilled at 13:26 w/ Soil cuttings. | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | Stepped out to (S) and (E) to confirm, refusal at 12" | | | | | |
| | | | | | | 9 | | | | | | | |

MWH



Site Sketch Map

Boring ID: SASV DH-626 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: SA

Logged By: [illegible] Reviewed By:

Drilling Contractor: EST Drillers Name: [illegible]

Drill Rig Type/Method: Geoprobe 5400

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 6.5'

Drill Bit Type: Macrocore

Drill Start Time/Date: 09JUN14 11:35 Drill Finish Time/Date: 09JUN14 11:41

Soil Vapor ID: SASV DH-626

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 09JUN14 - 11:55

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 5.5 - 6.5

Surface Completion: SV probe

Soil Vapor Well Detail Completed (yes/no) attached

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description used alt loc w cracks.

1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Asphalt

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 40" | | | | 0 | SM-GP | 0.0 - 0.35 4" asphalt | | | | | |
| | | | | | | | | 0.35 - 0.9 | | | | | |
| | | | | | | 1 | SM | Silty sand with gravel (SM-GP) Brown (10YR 5/3), loose, dry. Mostly fine sand (40), some silt (30), gravel (20), pea gravel 2% base., few coarse sand (10). No stain, no odor. Fill. | 20 | 10 | - | 40 | 30 |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | 28" | | | | | SM | 0.9 - 2.3 | | | | | |
| | | | | | | 5 | | Silty sand (SM) Dark yellowish brown (10YR 4/4). Loose, dry Mostly fine sand (65), some silt (35), trace medium sand. No stain, no odor. Fill. | - | - | TR | 65 | 35 |
| | | | | | | 6 | | | | | | | |
| | | | | | | TD = 6.5' | | | | | | | |
| | | | | | | | | 2.3 - 6.5 | | | | | |
| TD = 6.5' bgs w/ refusal on sandstone bedrock | | | | | | 8 | | Silty sand (SM). Light yellowish brown (10YR 6/4). Loose dry. Mostly fine sand (60), some silt (40). No stain, no odor; fill 1" shale interbed @ 6.0' bgs. | - | - | - | 60 | 40 |
| | | | | | | 9 | | | | | | | |

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# Single Soil Vapor Probe Construction Diagram

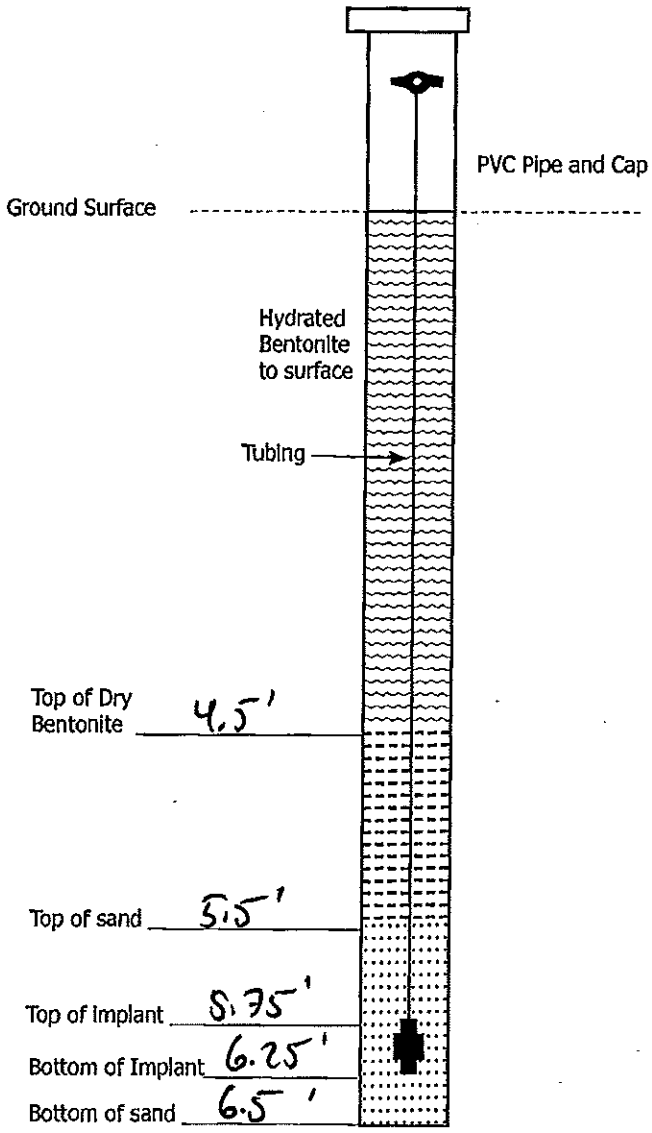
MWH

Probe ID/Soil ID: SASV DG-626 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling

Site: SA | Reviewed by: | Logged by: CHRIS

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 | Driller: MORGAN HUGHES

Borehole TD: 6.5' bgs | Probe Completion Date/Time: 09 JUN 14; 11:55 | Borehole Diameter: 2.25"




Vapor Implant Specs
Material: Stainless steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3 sand
Manufacturer: Cemex

Dry Bentonite
Type: #8 bent crumbles
Manufacturer: Cetco

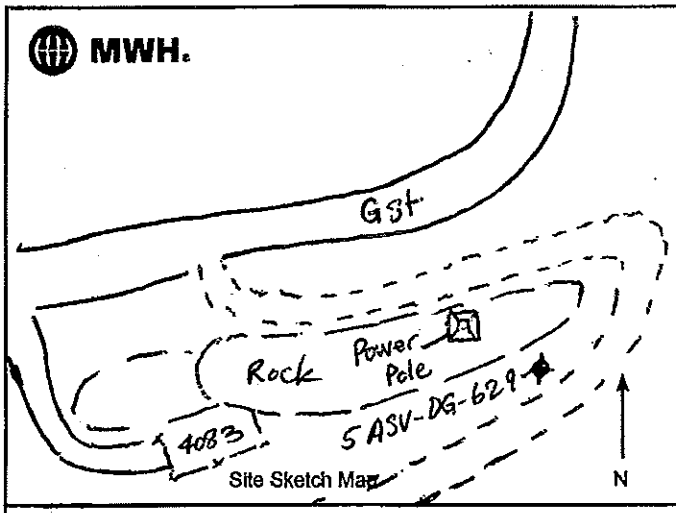
Hydrated Bentonite
Type: #8 bent crumbles
Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH.



Site Sketch Map

| | |
|---|---|
| Boring ID: 5ASV-DG-629 | Sheet 1 of 1 |
| Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014 | |
| Job #: 10503982.3050105/ 10503982.3060105 | Site: 5A |
| Logged By: V. Vathanasin | Reviewed By: |
| Drilling Contractor: EST | Drillers Name: Morgan Hughes |
| Drill Rig Type/Method: Geoprobe 5400 / DP | |
| Sampler Type: Macrocore | |
| Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 8.0 |
| Drill Bit Type: Macrocore | |
| Drill Start Time/Date: 0808 / 6-6-14 | Drill Finish Time/Date: 0817 / 6-6-14 |
| Soil Vapor ID: 5ASV-DG-629 | Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A |
| Soil Vapor Well Completion Time/Date: 0830 / 6-6-14 | Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None |
| Soil Vapor Probe Depths (ft.bgs): 7.0 - 8.0 | Surface Completion: Soil vapor probe |
| Soil Vapor Well Detail Completed (yes/no) | Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None |

Soil Description
1) Soil type; 2) USCS Symbol; 3) Munsell Color; 4) Consistency/Density; 5) Moisture; 6) Grain Size %; 7) Cementation; 8) Plasticity (fines); 9) Geologic Unit (fill, alluvium, bedrock); 10) Misc. Observations

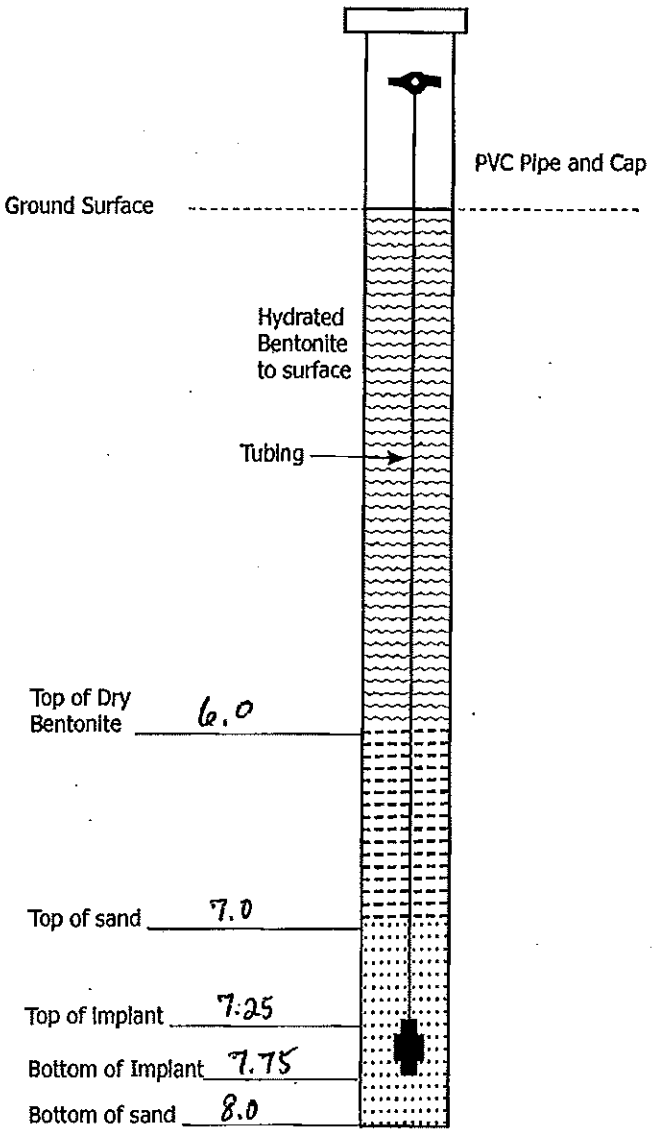
Surface Description: Veg. cleared, @ base of rock outcrop

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Silty Sand (SM), yellowish brown (10YR 5/4), loose, dry, fine sand, non-plastic sand, no odors or staining, fill | - | - | - | 65 | 35 |
| | | 48" | | | | 2 | | @2 color changes to brownish yellow (10YR 6/6), slightly more silty, native soil. | | | | 60 | 40 |
| | | | None | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | 48" | | | | 6 | SP-SM | Poorly Graded Sand w/ Silt (SP-SM), light yellowish brown (10YR 6/4), loose, dry, fine sand, non-plastic silt, friable. native soil. | | | | | |
| | | | None | | | 7 | | | | | | | |
| | | | | | | 8 | Br | Bedrock, sandstone, weathered T.D = 8.0, refusal on bedrock, install probe 7.0 - 8.0 | | | | | |
| | | | | | | 9 | | | | | | | |

MWH

# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV-DG-629
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling
Site: SA
Reviewed by:
Logged by: V.Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400 / DP
Driller: Morgan Hughes
Borehole TD: 8.0
Probe Completion Date/Time: 0830 / 6-6-2014
Borehole Diameter: 2.25"




Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: CETCO

Hydrated Bentonite
Type: #8
Manufacturer: CETCO

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH

Boring ID: SBSV-DG-503 | Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3060105/ 10503982.3060105 | Site: 5B

Logged By: V. Vatharasin | Reviewed By:

Drilling Contractor: EST | Drillers Name: Morgan Hughes

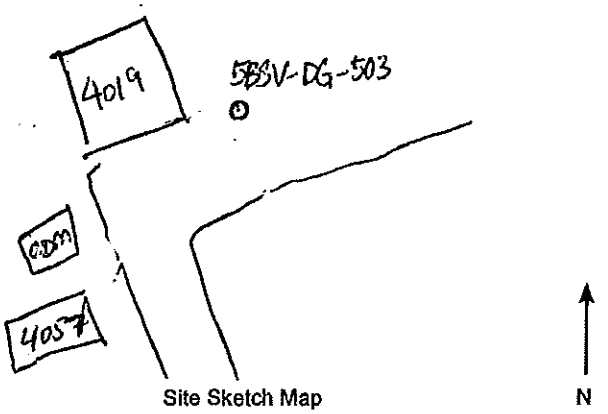
Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 8'

Drill Bit Type: Macrocore

Drill Start Time/Date: 13:30 / 5-12-14 | Drill Finish Time/Date: 13:55 / 5-12-14



Site Sketch Map

Soil Vapor ID: SBSV-DG-503

Soil Vapor Well Completion Time/Date: 5-12-14 / 14:25

Soil Vapor Probe Depths (ft.bgs): 7.0-8.0'

Soil Vapor Well Detail Completed (yes/no)

Soil Boring Backfill Time/Date: | Backfill Material:

Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Surface Completion:

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

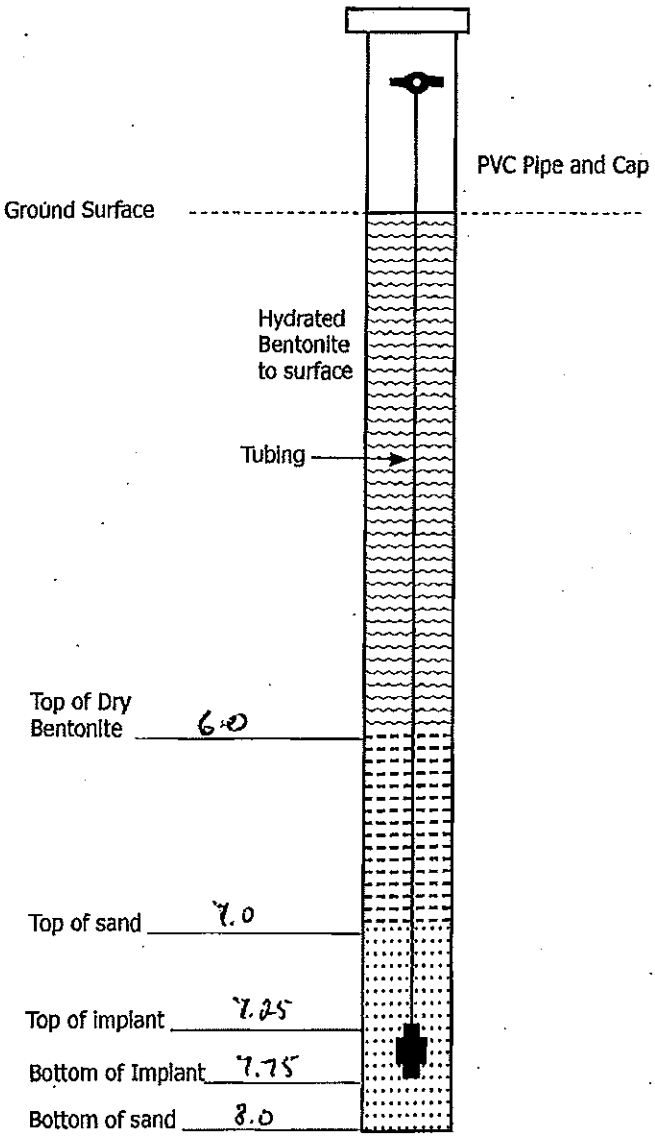
| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Surface Description: Unpaved Road. | | | | | |
| 0.0 | | | | | | 0 | SP SW | Well Graded Sand with Silt and Gravel, (SW) dark gray (10YR 4/1), loose, dry, fine to coarse sand, fine gravel, non-cemented, non-plastic fines, few dark stains (Dark brown (10YR 3/3), no odors, fill | 10 | 15 | 35 | 30 | 10 |
| | | 48" | NONE | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | @3' color changes to greenish gray (5BG 5/1). Silty Sand (SM), color = ↑, loose, moist, fine to med sand, trace fine gravel, non plastic silt, fill | TR | — | 10 | 55 | 35 |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | — | — | — | 60 | 40 |
| | | | | | | 6 | SM | @5.5' Silty Sand, grades w/o gravel and color changes to brown (10YR 5/3), moist fine sand and silt. | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | SW | @7.8' Color changes to very pale brown (10YR 7/4), dense w/ med and coarse sand [Well Graded Sand w/ Silt (SW)] | — | 10 | 40 | 50 | 10 |
| | | | | | | 9 | | @8' Bedrock | | | | | |
| | | | | | | | | TD = 8' bgs; refusal on bedrock. | | | | | |

QA/QC
Surficial media boring log rev 2-25-2014

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# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSV-DG-503
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling
Site: 5B
Reviewed by:
Logged by: V. Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400/DP
Driller: Morgan Hughes
Borehole TD: 8'
Probe Completion Date/Time: 5-12-14 / 1425
Borehole Diameter: 2.25"




Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex Lapis Lustre

Dry Bentonite
Type: CETCO #8
Manufacturer: CETCO

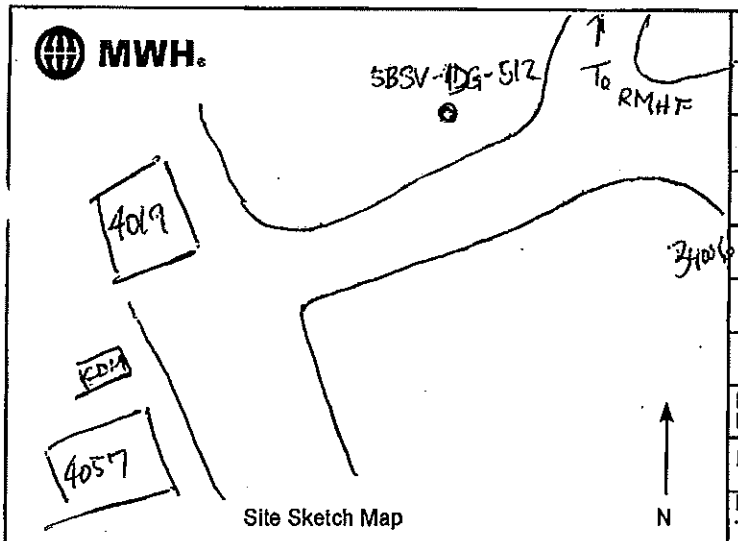
Hydrated Bentonite
Type: #8
Manufacturer: CETCO

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH



Site Sketch Map

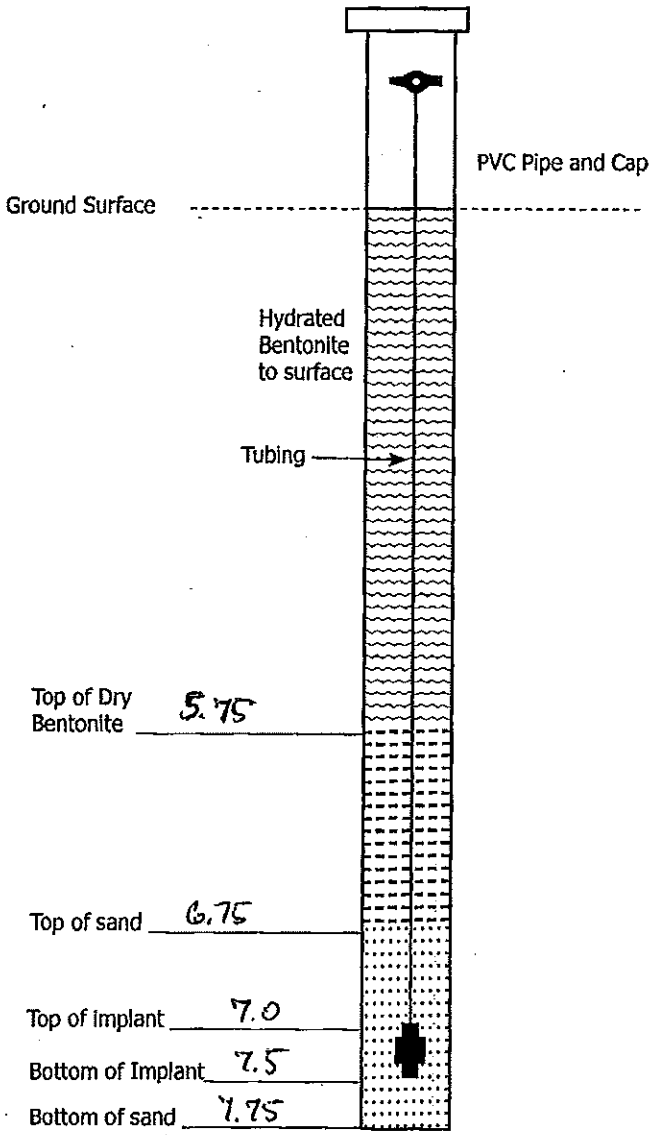
| | |
|---|---|
| Boring ID: SBSV-DG-512 | Sheet 1 of 1 |
| Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014 | |
| Job #: 10503982.3050105/ 10503982.3060105 | Site: 5B |
| Logged By: V. Vathanasin | Reviewed By: |
| Drilling Contractor: EST | Drillers Name: Morgan Hughes |
| Drill Rig Type/Method: Geoprobe, DP | |
| Sampler Type: Macrocore | |
| Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 8.0' |
| Drill Bit Type: Macrocore | |
| Drill Start Time/Date: 0905 / 5-12-14 | Drill Finish Time/Date: 0930 / 5-12-14 |
| Soil Vapor ID: SBSV-DG-512-6.75-7.75 | Soil Boring Backfill Time/Date: N/A |
| Soil Vapor Well Completion Time/Date: 5-13-14 | Backfill Material: N/A |
| Soil Vapor Probe Depths (ft.bgs): 6.75-7.75 | Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None |
| Soil Vapor Well Detail Completed (yes/no) | Surface Completion: Soil vapor probe |
| | Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None |

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Surface Description: ~~Crushed~~ Gravel, mustard | | | | | |
| 0.0 | | | | | | 0 | SM | Silty Sand with Gravel (SM), very pale brown (10YR 7/4), soft, dry, fine to medium Sand, fine angular gravel (fill), very weak silt cement (easily friable), non-plastic fines, fill, no odors or staining | 15 | – | 15 | 30 | 40 |
| | | 42" | NONE | | | 1 | | | – | – | 10 | 50 | 40 |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | Grades to Silty Sand (SM), [No gravel @ 3.5' Minor iron staining | | | | | |
| 0.0 | | | | | | 4 | | @ 4.0' trace fine gravel | TR | 10 | 15 | 40 | 35 |
| | | | | | | | | @ 4.5' Color changes to yellowish brown (10YR 5/4), coarse Sand fragment, fill | – | 10 | 15 | 40 | 35 |
| | | 48" | NONE | | | 5 | | | | | | | |
| | | | | | | 6 | | @ 5.5' Color changes to very pale brown (10YR 7/4), dry predominantly fine sand, soft, non-cemented, iron staining - brownish yellow (10YR 6/8), native soil. | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | Br | @ 8' Shale | | | | | |
| | | | | | | | | TD = 8 ft, refusal on shale bedrock. | | | | | |
| | | | | | | 9 | | Hole collapsed to 7.75 ft bgs. | | | | | |
| | | | | | | | | set probe @ 6.75 - 7.75 ft bgs (V.V.) | | | | | |

MWH

# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SB3V-DG-S12
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 2
Site: SB
Reviewed by:
Logged by: V. Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400 / DP
Driller: Morgan Hughes
Borehole TD: 8.0
Probe Completion Date/Time: 5-13-14 /
Borehole Diameter: 2.25"




Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: CETCO

Hydrated Bentonite
Type: #8
Manufacturer: CETCO

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH

Boring ID: 5BSV-DG-516 Sheet 1 of 2

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5B

Logged By: V. Vathanatin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 DT

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 13.5'

Drill Bit Type: Macrocore

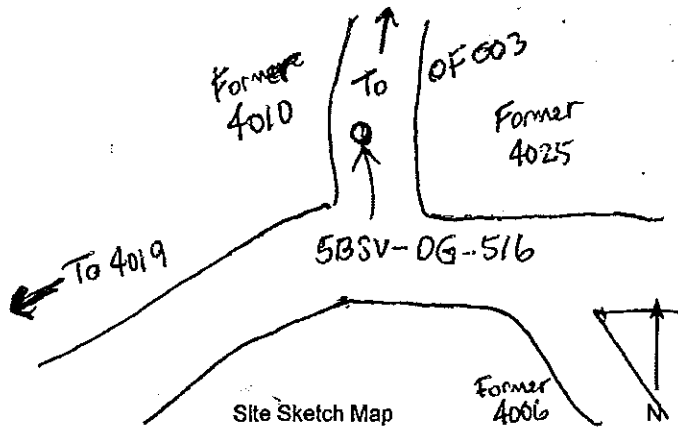
Drill Start Time/Date: 1015 / 5-12-2014 Drill Finish Time/Date: 1045 / 5-12-2014

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Surface Completion: Soil Vapor Probe

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None



Site Sketch Map

Soil Vapor ID: 5BSV-DG-516

Soil Vapor Well Completion Time/Date: 1251 / 5-12-14

Soil Vapor Probe Depths (ft.bgs): 6.0-7.0, 12.5-13.5

Soil Vapor Well Detail Completed (yes/no)

Soil Description
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Gravel road

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Estimated % of Gravel | Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OD | | * | | | | 0 | SM | Silty Sand w/ Gravel (SM), yellowish brown (10YR 5/4), med. dense, dry, mostly fine sand, fine sand, fine gravel, non-plastic silt, compacted road base, fill | 10 | – | 10 | 50 | 30 |
| | | Hand auger to 5' due to utilities | | | | 1 | | | | | | | |
| | | | | | | 2 | | soil becomes loose, grades w/o gravel | – | 30 | 70 | – | – |
| | | | | | | 3 | SP | @ 2' Poorly Graded Sand (SP), light yellowish brown (10YR 6/4), loose, dry, medium and coarse sand, friable, fill | – | 20 | 50 | 30 | – |
| 0.0 | | | | | | 4 | SW | @ 3' Well Graded Sand (SW), light yellowish brown (10YR 6/4), loose, dry, fine to coarse sand, friable, fill. | – | – | – | 60 | 40 |
| | | 36" | | | | 5 | SM | low recovery (1/2) | | | | | |
| | | | | | | 6 | | @ 4.5' Color Changes to (1) very pale brown (10YR 7/4)... Silty Sand (SM), dark brown (10YR 3/3), loose, dry, fine sand, | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | non-plastic silt, non-cemented, fill, minor dark staining no odors | – | – | – | 60 | 10/30 |
| 3.0 | | | | | | 9 | | @ 6' color change to pale brown (10YR 7/3) @ 1025 | – | – | – | 60 | 40 |

Continued page 2.

Boring ID: SBSV-DG-516 Project: Phase 3 DOE Data Gap Sampling Sheet 2 of 2

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations | | | | | |
| | | 48" | | | | 10 | | @~~9.0~~ 9.25' - Thin Silty Sand w/ Clay layer, low plasticity clay (brittle) | | | | | |
| | | | | | | 11 | | | | | | | |
| | | | | | | 12 | GP | @11.5' Road Base (Gravel with Sand) (GP), ~~Clay~~ (V.) light greenish gray (10GY 7/1) to very dark gray (N/3), dry, loose, fine angular gravel, coarse to fine sand, fill | 55 | 30 | 10 | 5 | — |
| | | | | | | 13 | SP-SM | | | | | | |
| | | | | | | 14 | | @12.5 Poorly Graded Sand w/ Silt (SP-SM), light yellowish brown (10YR 6/4), loose, dry, fine sand, non-plastic silt, native soil. | | | | | |
| | | | | | | 15 | | | | | | | |
| | | | | | | 16 | | @13.5' Bedrock - Sandstone (Chatsworth) | | | | | |
| | | | | | | 17 | | | | | | | |
| | | | | | | 18 | | TD = 13.5', Refusal on bedrock, Install vapor probes @ 12.5-13.5', and 6.0-7.0' | | | | | |
| | | | | | | 19 | | | | | | | |
| | | | | | | 20 | | | | | | | |
| | | | | | | 21 | | | | | | | |
| | | | | | | 22 | | | | | | | |
| | | | | | | 23 | | | | | | | |
| | | | | | | 24 | | | | | | | |
| | | | | | | 25 | | | | | | | |
| | | | | | | 26 | | | | | | | |
| | | | | | | 27 | | | | | | | |
| | | | | | | 28 | | | | | | | |
| | | | | | | 29 | | | | | | | |

MWH

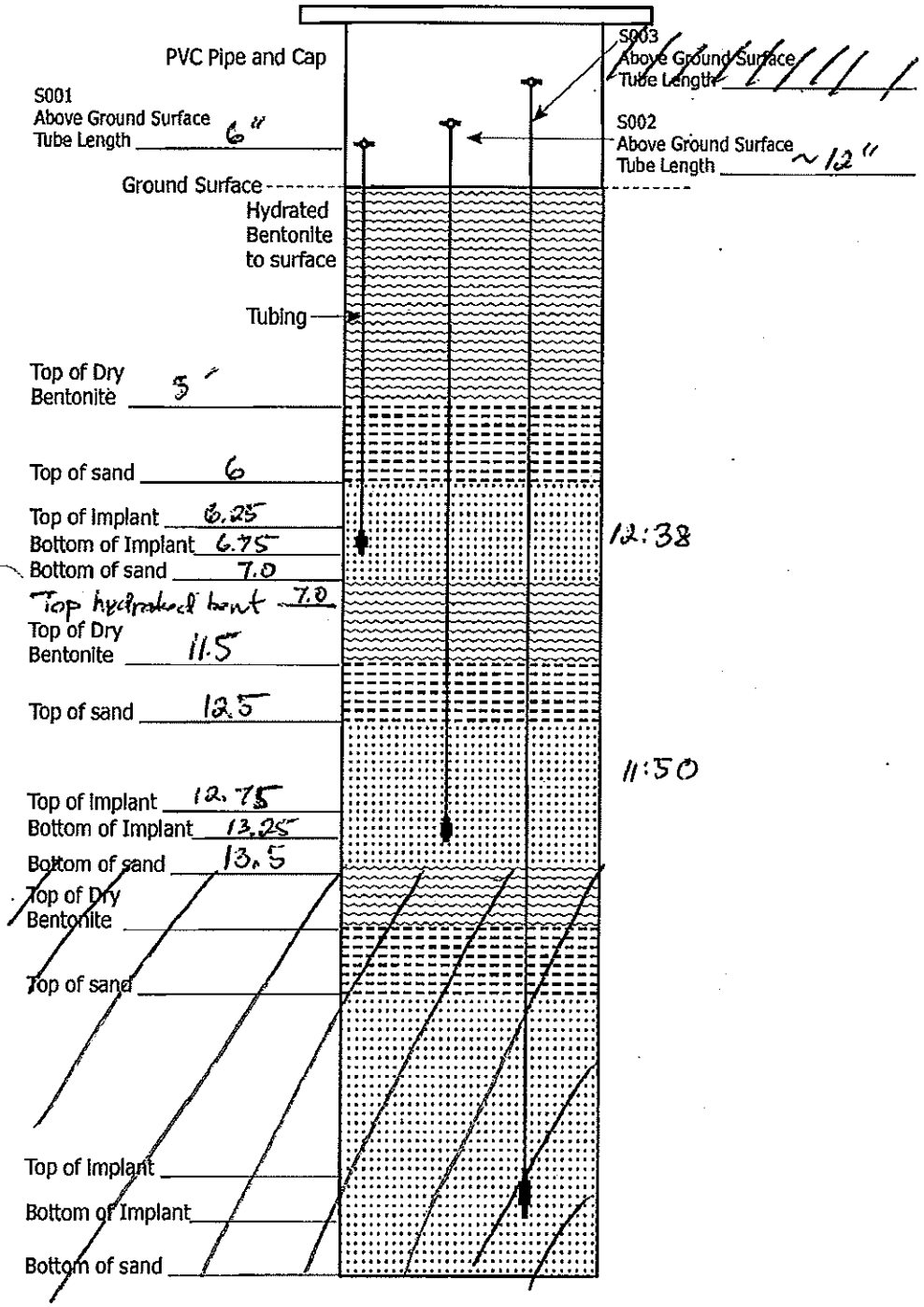
# Multiple Soil Vapor Probe Construction Diagram



Probe ID/Soil ID: SBSV-D6-516
Site: SB
Drilling Contractor: EST
Borehole TD: 13.5'

Project: Phase 3 DoE Data Gap
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP/Mac
Probe Completion Date/Time: 1251 / 6-12-2014




**Vapor Implant Specs**
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

**Tubing Specs**
Material: Teflon
Diameter: 1/4"
Color: Clear

**Sand Pack Specs**
Grain Size: #3
Manufacturer: Cemex Lapis Lustre

**Dry Bentonite**
Type: #8 (Crumbles / Granular)
Manufacturer: CETCO

**Hydrated Bentonite**
Type: Quick Grout (Gel)
Manufacturer: Baroid

**Notes:**
1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

MWH

Boring ID: SB3V-DG-525 | Sheet 1 of 2

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 | Site: SB

Logged By: V. Vathanasin | Reviewed By:

Drilling Contractor: EST | Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore | 15'

Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): ~~1.25'~~

Drill Bit Type: Macrocore | 10JUN14 10:50 | 11:40 10JUN14

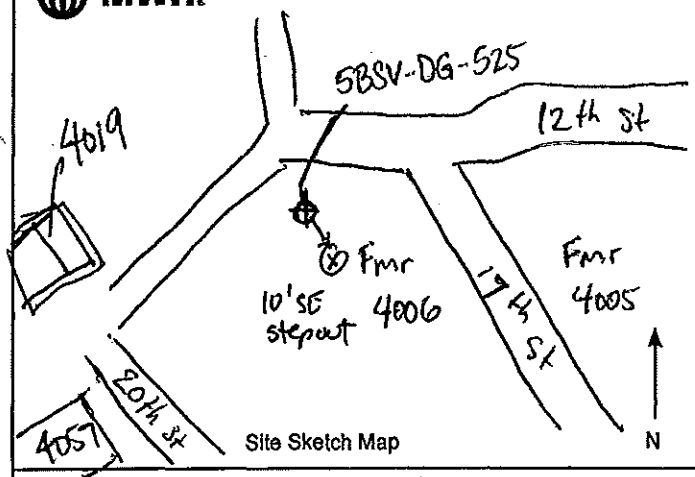
Drill Start Time/Date: 0830 / 5-14-14 | Drill Finish Time/Date: 0844 / 5-14-14

Soil Boring Backfill Time/Date: ~~0850~~ 5-14-14 | Backfill Material: Soil cuttings

Observations: ☒ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None

Surface Completion: None

Type of Refusal: ☐ Bedrock ☒ Debris ☐ Gravel ☐ Unknown ☐ None



Site Sketch Map

Soil Vapor ID: NON SB3V-DG-525

Soil Vapor Well Completion Time/Date: ~~N/A~~ 10JUN14 ;

Soil Vapor Probe Depths (ft.bgs): ~~N/A~~ 8.0-9.0, 13.0-14.0

Soil Vapor Well Detail Completed (yes/no) ~~not~~ Headed

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Surface Description: Graded fill, old road to B4006 | | | | | |
| 0.0 | | 48" / 15" | NONE | | | 0 | SM | Silty Sand (SM), brownish yellow (10YR 6/6), loose, dry, fine to medium sand, ~~fine~~ trace fine gravel, fill. (@ 1.25' Concrete - refusal) before stepout | TR | - | 20 | 55 | 25 |
| | | | | | | 1 | | | | | | | |
| | | | | | | 2 | | Layer of base gravel 5.0-5.3' bgs | | | | | |
| | | | | | | 3 | | ~~TD=1.25', Refusal on concrete.~~ ~~2nd attempt also encountered concrete~~ | | | | | |
| | | | | | | 4 | | 5.0-14.0' | | | | | |
| 0.0 ppm | | 48" | | | | | | Poorly graded sand (SP), yellowish brown (10YR 5/6), loose, slightly moist. Mostly fine sand (85) little silt (15), few medium sand (5) | — | — | 5 | 80 | 15 |
| 0.2 ppm | | 5.5' bgs | PID | | | 5 | | | | | | | |
| | | | | | | 6 | | Base gravel throughout, some occasional sandstone clasts, weathered w/ oxide rinds. Base pea gravel layer (6" at 11.5' bgs). | | | | | |
| | | | | | | 7 | SP | | | | | | |
| | | | | | | 8 | | | | | | | |
| 0.0 ppm | | 36" | | | | | | Base gravel fraction increases from 12'-13' bgs to poorly graded gravel (GP). | | | | | |
| | | | | | | 9 | | | | | | | |

QA/QC

Surficial media boring log rev 2-25-2014

Boring ID: SBSVDG925 Project: Phase 3 DOE SVDG 2014 Sheet 2 of 2

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 10 | | 14.0-15.0 | | | | | |
| | | | | | | 11 | SP | Poorly graded sand (SP) yellowish brown (10YR 5/8), wet, slightly moist, mostly fine | | | | | |
| | | | | | | 12 | | sand (65), little medium sand (20), little silt (15), no | | | | | |
| 0.0 ppm | | 36" | | | | 13 | | stain, no odor, native weathered bedrock | 30 | 10 | 20 | 30 | 10 |
| | | | | | | 14 | | last few inches is shale. | | | | | |
| | | | | | | | SP | | - | - | 20 | 65 | 15 |
| | | | | | TD= | 15 | | | | | | | |
| | | | | | | 6 | | - Backfill hole to 14' bgs. w/ bentonite to avoid shale, and weathered bedrock. | | | | | |
| | | | | | | 7 | | Will set two probes in fill. | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | TD = 15.0' w/ refusal on shale + weathered sandstone bedrock (mid-interval). | | | | | |
| | | | | | | 0 | | | | | | | |
| | | | | | | 1 | | | | | | | |
| | | | | | | 2 | | - Piece of elec. PVC at ~3.0' bgs. | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

MWH

# Multiple Soil Vapor Probe Construction Diagram

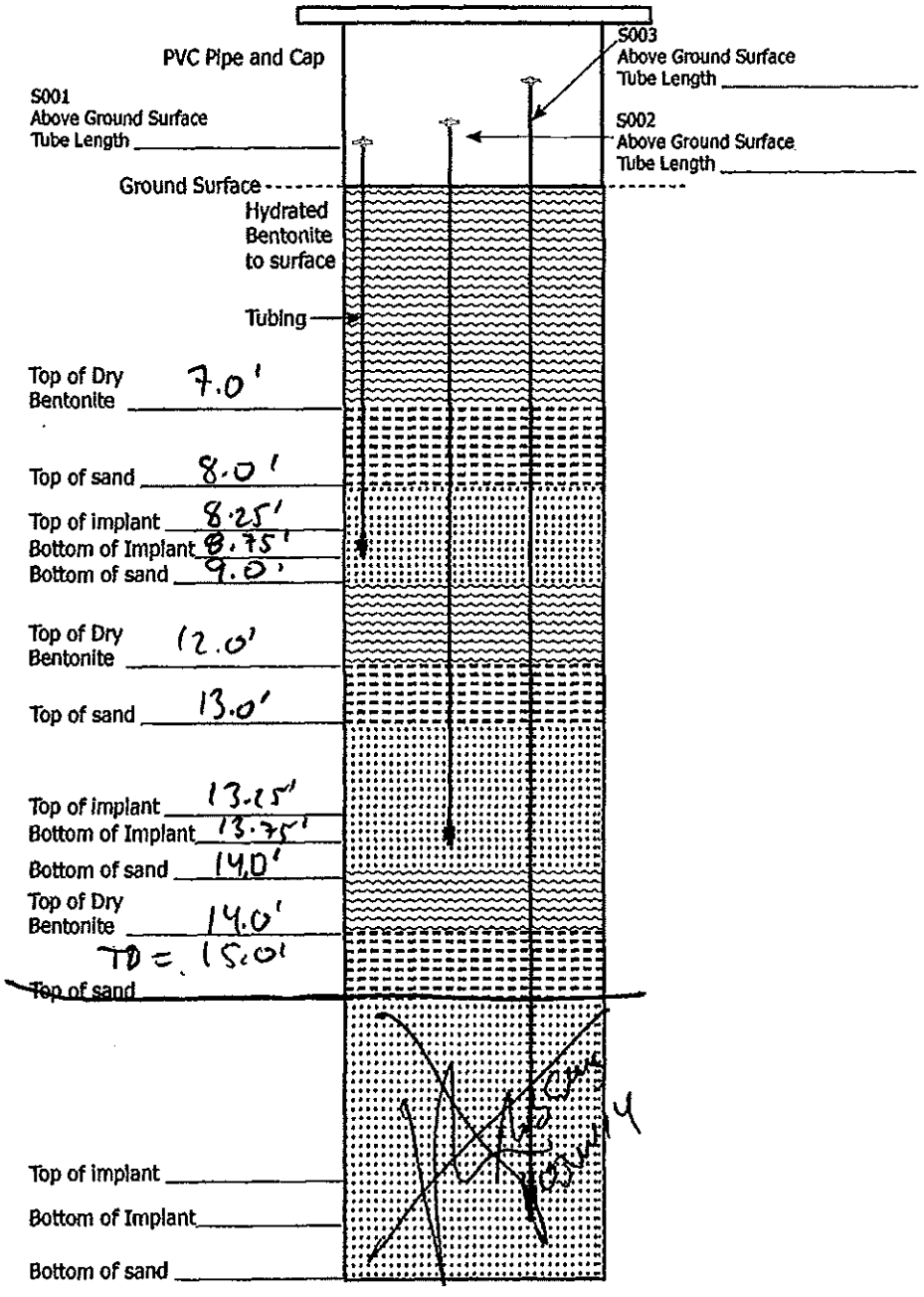


Probe ID/Soil ID: SB5V_04-S25 | Project: Phase 3 DOE Data Gap Sampling 2014 | Job #: 10503982.3050106/10503982.3060106

Site: SB | Logged by: RAMIS | Reviewed by: _____

Drilling Contractor: EST | Driller: MORGAN HUGHES | Rig Type/Method: GeoProbe 5720

Borehole TD: 15.0' bgs | Borehole Diameter: 2.25" | Probe Completion Date/Time: 10JUN14 12:20




**Vapor Implant Specs**

Material: Stainless Steel

Length: 6"

Diameter: 7/8"

**Tubing Specs**

Material: teflon

Diameter: 1/4"

Color: clear

**Sand Pack Specs**

Grain Size: #3 sand

Manufacturer: Lonex

**Dry Bentonite**

Type: #8 crumbles

Manufacturer: Cetco

**Hydrated Bentonite**

Type: #8 crumbles

Manufacturer: Cetco

**Notes:**

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

MWH

Boring ID: 5BSV-DG-526 | Sheet 1 of 2

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 | Site: 5B

Logged By: V. Vathanasin | Reviewed By:

Drilling Contractor: EST | Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 13.5

Drill Bit Type: Macrocore

Drill Start Time/Date: 1450 / 5-13-14 | Drill Finish Time/Date: 0830 / 5-14-14

Soil Vapor ID: 5BSV-DG-526

Soil Boring Backfill Time/Date: 0845 / 5-14-14 | Backfill Material: Medchips / Soil cuttings

Soil Vapor Well Completion Time/Date: 1530 / 5-13-14

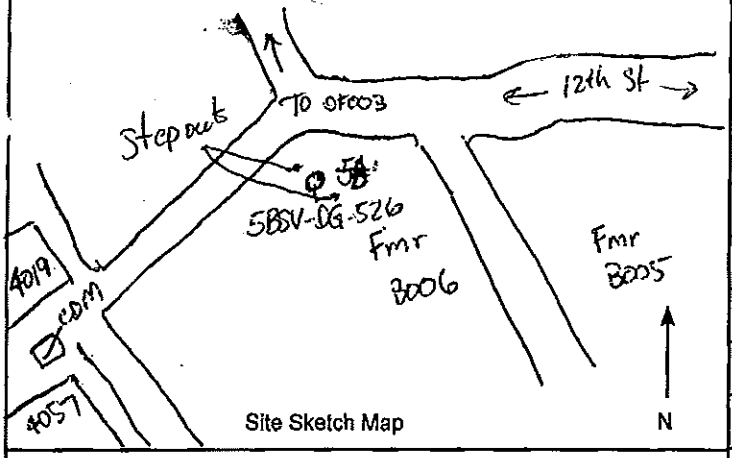
Observations: ☒ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): 12.5-13.5, 5.0-6.0

Surface Completion: None / Soil vapor probes

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☐ Bedrock ☒ Debris ☐ Gravel ☐ Unknown ☐ None



Site Sketch Map

Soil Description
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Gravel road to Fmr B4006

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Silty Sand (SM), very pale brown (10YR 7/4), loose, dry, fine sand, non-plastic silt, no odors, no stains, fill | – | – | – | 65 | 35 |
| | | 48" | | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | @3' Color changes to yellowish brown (10YR 5/4) | | | | | |
| | | | | | | 4 | | (Ve) @3.5' Piece of concrete and steel nail @4' Grades w/ gravel | 10 | – | – | 60 | 30 |
| | | 48" | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | Silty sand (SM), yellowish brown (10YR 5/4), no gravel | – | – | – | 65 | 35 |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

Don't need?

QA/QC
Surficial media boring log rev 2-25-2014

Boring ID: SBSV-DG-526 Project: Phase 3 DOE Soil Vapor Data Gap Sheet 2 of 2

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 36[d] | | | | 0 | | | | | | | |
| 0.0 | | | | | | 1 | ML | @1' Silt (ML), yellow (10YR 7/6), dense, dry, very low plasticity silt, no odors or stains, ~~native soil~~ fill | - | - | - | - | 100 |
| | | 30" | NONE | | | 2 | SP SM | | - | - | 10 | 80 | 10 |
| | | | | | | 3 | | @12' Poorly Graded Sand w/ silt (SP-SM), brown (10YR 5/3), loose, dry, fine and med. sand, silt, fill | | | | | |
| | | | | | | 4 | | @13' Concrete w/ nail | | | | | |
| | | | | | | 5 | | *Note: Refused ~~to~~ (V.P.) on concrete or rebar at 13.5. Set probes at 12.5-13.5 and 5.0-6.0 in primary boring. Drill stepout on 5-14-14 | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | 5-14-14 - con't drilling - try to get past concrete. | | | | | |
| | | | | | | 8 | | 0820 - Drilled 2 add'l holes 6ft E and W with refusal at 13' and 12.75, respectively. Will re-drill after re-visiting facility diagram using a new ID | | | | | |
| | | | | | | 9 | | | | | | | |
| | | | | | | 20 | | | | | | | |
| | | | | | | 1 | | TD = 13.5, refusal on concrete. Vapor Probes installed at 5.0-6.0, 12.5-13.5' | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

# Multiple Soil Vapor Probe Construction Diagram

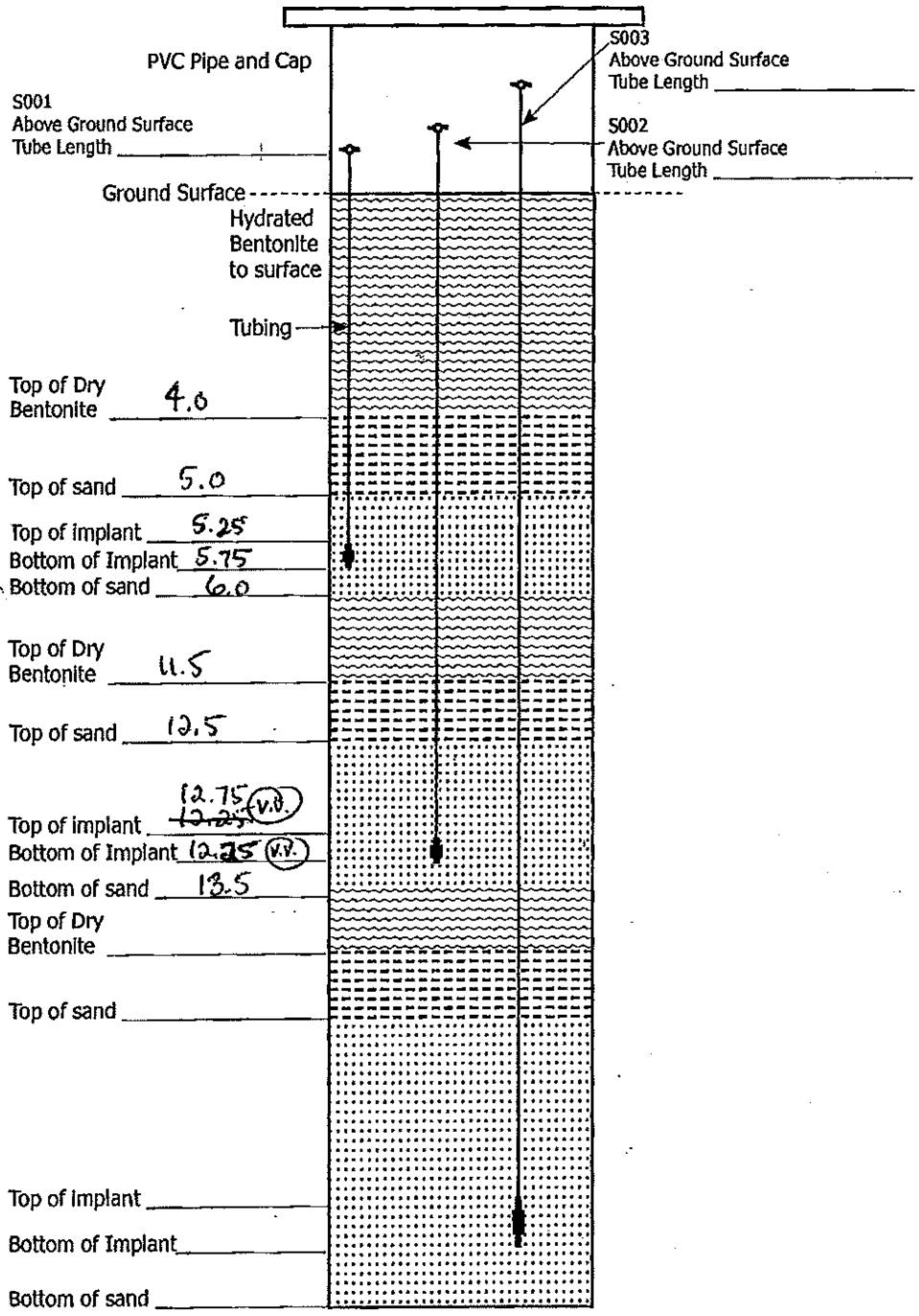


MWH

Probe ID/Soil ID: SBSV-DG-526
Site: SB
Drilling Contractor: EST
Borehole TD: 13.5'

Project: Phase 3 DOE SV DG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 105030050105
Reviewed by:
Rig Type/Method: Geoprobe 5400/DP
Probe Completion Date/Time: 5-13-14/1530




Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: CEMEX

Dry Bentonite
Type: #8
Manufacturer: CETCO

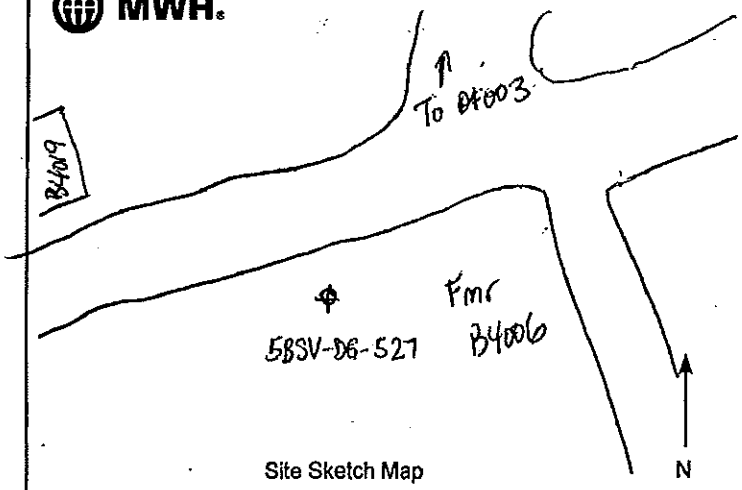
Hydrated Bentonite
Type: #8
Manufacturer: CETCO

**Notes:**

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

MWH



Site Sketch Map

Boring ID: 5BSV-DG-527 | Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 | Site: 5B

Logged By: V. Vathanasin | Reviewed By:

Drilling Contractor: EST | Driller's Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 2'

Drill Bit Type: Macrocore

Drill Start Time/Date: 1105 / 5-13-14 | Drill Finish Time/Date: 1123 / 5-13-14

Soil Vapor ID: N/A

Soil Boring Backfill Time/Date: 1234 / 5-13-14 | Backfill Material: Soil Cuttings

Soil Vapor Well Completion Time/Date: N/A

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): N/A

Surface Completion: None

Soil Vapor Well Detail Completed (yes/no)

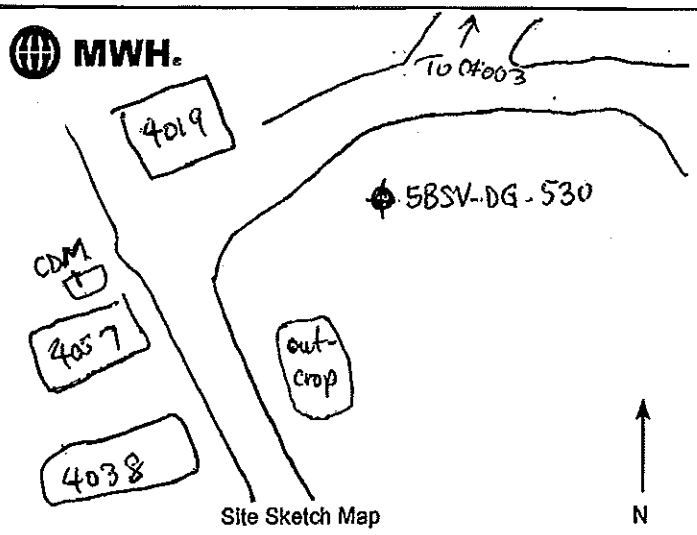
Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | NONE | 0 | SM | Silty Sand (SM), very pale brown (10YR 7/4), loose, dry, fine sand, non-plastic silt, no odors, no stains, fill. | — | — | — | 70 | 30 |
| 0.0 | | 24" | NONE | NONE | | 1 | | @1' color changes to light yellowish brown (10YR 6/4), slight iron staining (brownish yellow 10YR 6/6). | | | | | |
| | | | | | | 2 | | @2' Weathered Sandstone, Chatsworth Fm. | | | | | |
| | | | | | | 3 | | TD=2.0', refusal on bedrock, no vapor probe installed, no samples collected. | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

Soil Description: 1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Graded surface, mustard

MWH



Site Sketch Map

| | | | |
|---|---|---|---|
| Boring ID: 5BSV-DG-530 | Sheet 1 | of 1 | |
| Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014 | | | |
| Job #: 10503982.3050105/ 10503982.3060105 | Site: 5B | | |
| Logged By: V. Vatharasin | Reviewed By: | | |
| Drilling Contractor: EST | Drillers Name: Morgan Hughes | | |
| Drill Rig Type/Method: Geoprobe 5400 / DP | | | |
| Sampler Type: Macrocore | | | |
| Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 8.0 | | |
| Drill Bit Type: Macrocore | | | |
| Drill Start Time/Date: 0915 / 5-13-14 | Drill Finish Time/Date: 0935 / 5-13-14 | | |
| Soil Vapor ID: 5BSV-DG-530-7.0-8.0 | Soil Boring Backfill Time/Date: N/A | Backfill Material: N/A | |
| Soil Vapor Well Completion Time/Date: 10:15 / 5-13-2014 | Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None | | |
| Soil Vapor Probe Depths (ft.bgs): 7.0-8.0 | Surface Completion: Soil Vapor Probe | | |
| Soil Vapor Well Detail Completed (yes/no) | Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None | | |

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations | | | | | |
| | | | | | | | | Surface Description: Graded fill, weeds | | | | | |
| 0.0 | | | | | | 0 | SP-SM | Poorly Graded Sand w/ Silt (SP-SM), light yellowish brown (10 YR 6/4), loose, dry, fine sand, non-plastic silt, friable, fill | - | - | - | 80 | 20 |
| | | 48" | NONE | NONE | NONE | 1 | | | | | | | |
| | | | | | | 2 | | @2' grades with medium sand | - | - | 30 | 50 | 20 |
| | | | | | | 3 | ML | @2.5' Silt w/ Sand (ML), very pale brown (10YR 7/4), med. dense, dry, non-plastic silt, fine sand, weak cementation, fill, no odors or stains. | - | - | - | 40 | 60 |
| 0.0 | | | | | | 4 | | | - | - | 10 | 65 | 25 |
| | | | | | | 5 | SM | @4.5' Silty Sand (SM), very pale brown (10YR 7/4), loose, dry, fine to med. sand, non-plastic fines, non cemented | - | - | 20 | 55 | 25 |
| | | 48" | NONE | NONE | NONE | 6 | | | | | | | |
| | | | | | | 7 | | @5 grades to w/ increasing medium sand | | | | | |
| 0.2 | | | | | | 8 | Br | Sandstone, weathered Rafsworth Fm. | | | | | |
| | | | | | | 9 | | TD= 8.0 ft, refusal on sandstone; install vapor probe @ 7.0-8.0 ft | | | | | |

MWH

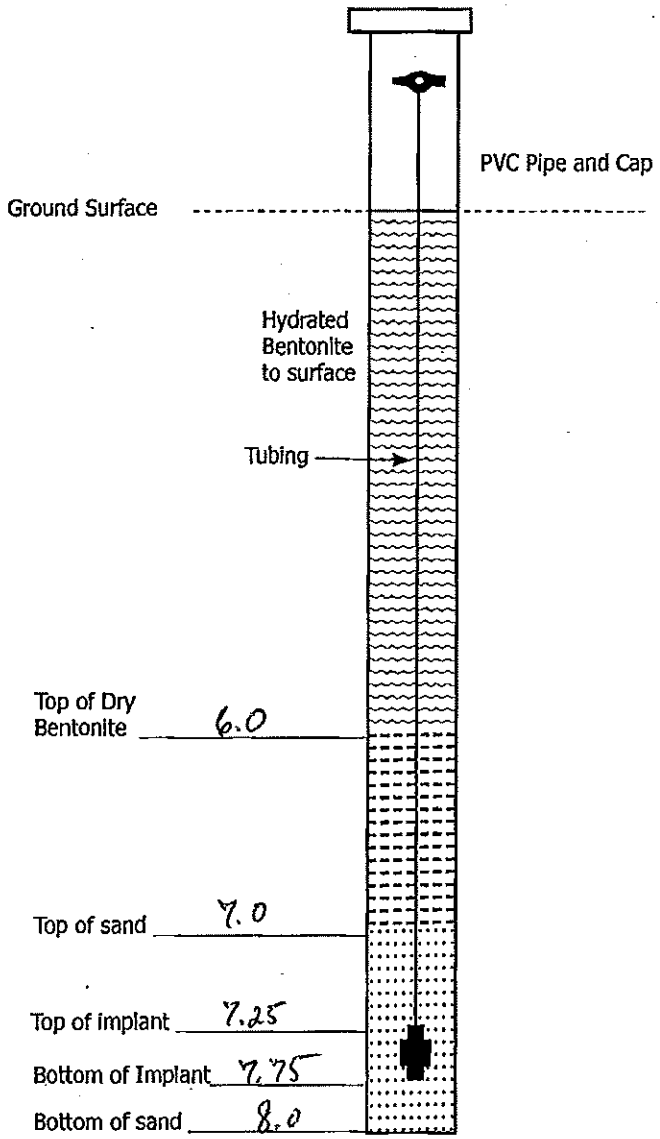
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSV-DG-530 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling

Site: SB | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 / DP | Driller: Morgan Hughes

Borehole TD: 8.0' | Probe Completion Date/Time: 10:15 / 5-13-14 | Borehole Diameter: 2.25"




**Vapor Implant Specs**

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

**Tubing Specs**

Material: Teflon

Diameter: 1/4"

Color: Clear

**Sand Pack Specs**

Grain Size: #3

Manufacturer: Cemex

**Dry Bentonite**

Type: CETCO #8

Manufacturer: CETCO

**Hydrated Bentonite**

Type: #8

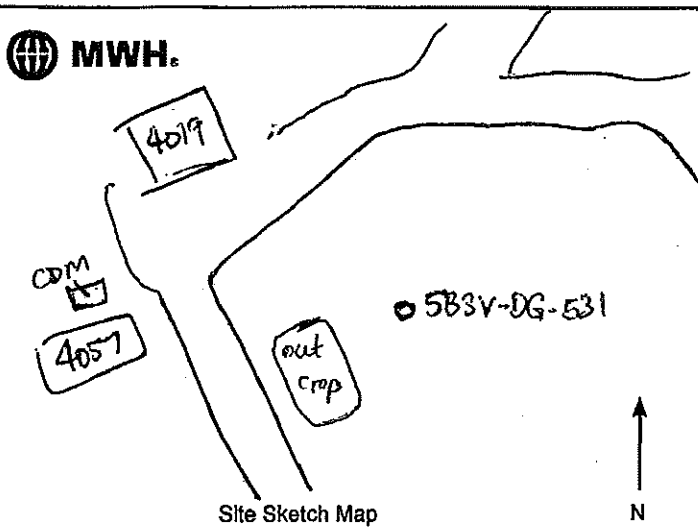
Manufacturer: CETCO

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH



Site Sketch Map

Boring ID: SBSV-DG-531 Sheet 1 of 2

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: SB

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 18'

Drill Bit Type: Macrocore

Drill Start Time/Date: 12:20 / 5-13-14 Drill Finish Time/Date: 1400 / 5-13-14

Soil Vapor ID: SBSV-DG-531

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: / 5-13-14

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 10.0-11.0, 16.75-17.75

Surface Completion: Soil Vapor Probe

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Graded fill, scrub + mustard

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | | | | | NONE | 0 | SM | Silty Sand (SM), light yellowish brown (10YR 6/4), loose, dry, fine sand, non-plastic silt, fill, no odors, no stains, slightly layered appearance. | – | – | – | 65 | 35 |
| | | 48" | NONE | NONE | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | Grades with less silt | – | – | – | 80 | 20 |
| | | | | | | 4 | SP | Poorly Graded Sand (SP), pale brown (10YR 6/3), loose, dry, fine sand, trace silt, | – | – | – | 100 | TR |
| 0.0 | | | | | | 5 | | fill, no odors or stains | – | – | 30 | 70 | TR |
| | | 48" | NONE | NONE | NONE | 6 | | @5' grades with medium sand | 10 | – | 25 | 65 | TR |
| | | | | | | | | @6' Poorly graded Sand w/ Gravel (SP), pale | – | – | – | 65 | 35 |
| | | | | | | 7 | | brown (10YR 6/3), med. dense, dry, fine to medium sand, fine angular gravel, trace | | | | | |
| | | | | | | 8 | | silt, no odor & stain, fill | | | | | |
| 0.0 | | | | | | | | @6.5' Silty Sand (SM), yellowish brown | | | | | |
| | | | | | | 9 | | (10YR 5/4), med. dense, dry, fine sand, | | | | | |
| | | | | | | | | (V.V.) ~~Sandy pl~~ very low plasticity silt, no odors, no stains, | | | | | |

Cont next page

1:10

QA/QC
Surficial media boring log rev 2-25-2014

Boring ID: SBSV-DG-531 Project: Phase 3 DOE SV Data Gap Sampling Sheet 2 of 2

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 10 | SM | Grades w/ a few clasts (<1%) of fine gravel (trace amounts) | TR | – | – | 65 | 35 |
| | | 48" | None | | | 11 | | | | | | | |
| | | | | | | 12 | | * Acetate sleeve jammed inside Macrocore at 16' bgs. (30 mins to remove) | | | | | |
| 0.0 | | | | | | 13 | | | | | | | |
| | | 48" | None | | | 14 | | | | | | | |
| | | | | | | 15 | SP-SM | Grades w/o clasts | – | – | 10 | 80 | 10 |
| | | | | | | 16 | | @15' Poorly Graded Sand w/ Silt (SP-SM), light yellowish brown (10YR 6/4), dense, dry, fine sand, medium sand, silt, non-cemented, native soil, no stains or odors, | | | | | |
| | | 24" | None | | | 17 | | | | | | | |
| | | | | | | 18 | Br | Sandstone, weathered Chatsworth Fm | | | | | |
| | | | | | | 19 | | TD = 18', refusal on bedrock. ~~Install~~ Remove (R) probes at 11.0-18.0, 10'-11', 5'-6'. | | | | | |
| | | | | | | 20 | | | | | | | |
| | | | | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

MWH

# Multiple Soil Vapor Probe Construction Diagram

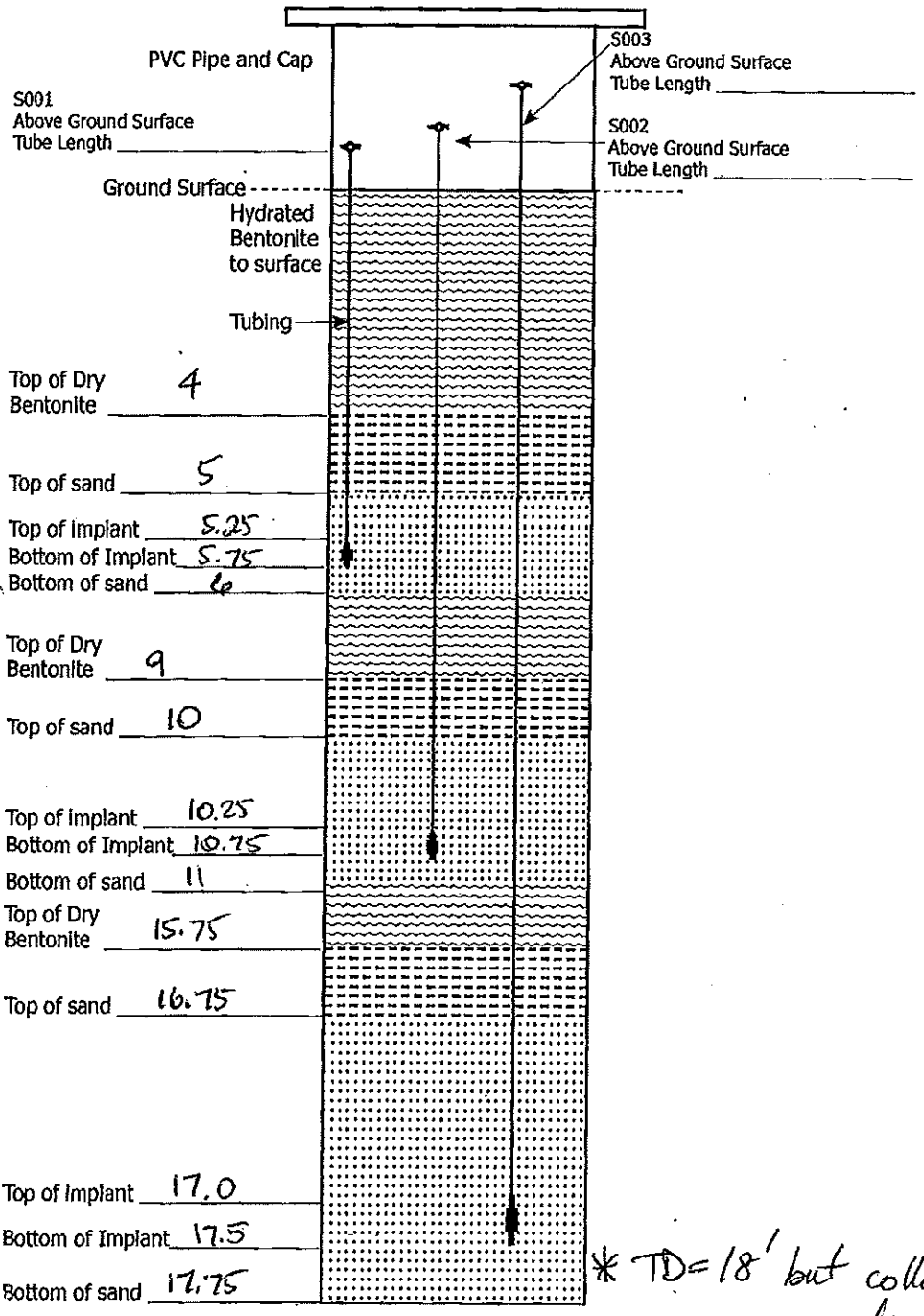


Probe ID/Soil ID: SBSV-DG-531 | Project: Phase 3 DOE SV DG | Job #: 105039~~2~~982 (P.D.)

Site: SB | Logged by: V. Vathanasin | Reviewed by:

Drilling Contractor: EST | Driller: Morgan Hughes | Rig Type/Method: Geoprobe 5400/DP

Borehole TD: 18, collapse to 17.75 | Borehole Diameter: 2.25" | Probe Completion Date/Time: 5-13-14




Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: CEMEX

Dry Bentonite
Type: #8
Manufacturer: CETCO

Hydrated Bentonite
Type: #8
Manufacturer: CETCO

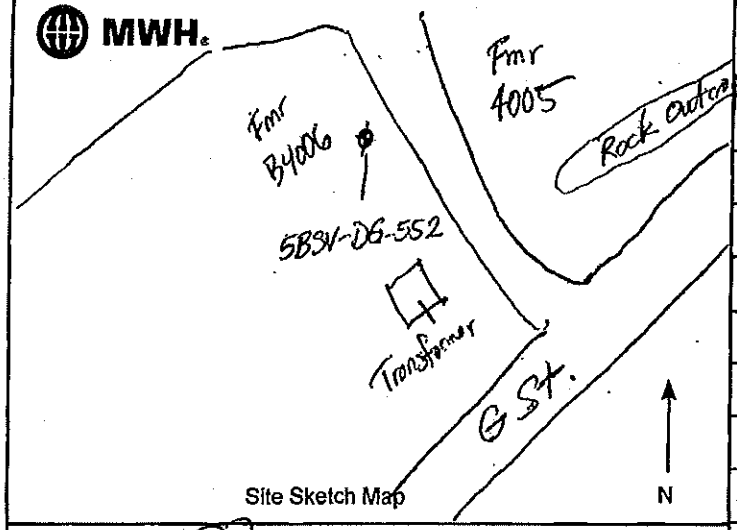
* TD = 18' but collapsed to 17.75 after tripping out.

**Notes:**

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

**FIGURE 4-2**

MWH




Boring ID: 5BSV-DG-552 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5B

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 6.5

Drill Bit Type: Macrocore

Drill Start Time/Date: 1030 / 5-14-14 (V.V.) Drill Finish Time/Date: 1050 / 5-14-14

Soil Vapor ID: (V.V.) ~~N/A~~ 5BSV-DG-552

Soil Vapor Well Completion Time/Date: (V.V.) ~~N/A~~ 1130 / 5-14-14

Soil Vapor Probe Depths (ft.bgs): (V.V.) ~~N/A~~ 5.3-6.3

Soil Vapor Well Detail Completed (Yes/No): (V.V.)

Soil Boring Backfill Time/Date: N/A Backfill Material: ~~Soil cuttings~~ N/A

Observations: ☒ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Surface Completion: (V.V.) ~~None~~ Soil vapor probe

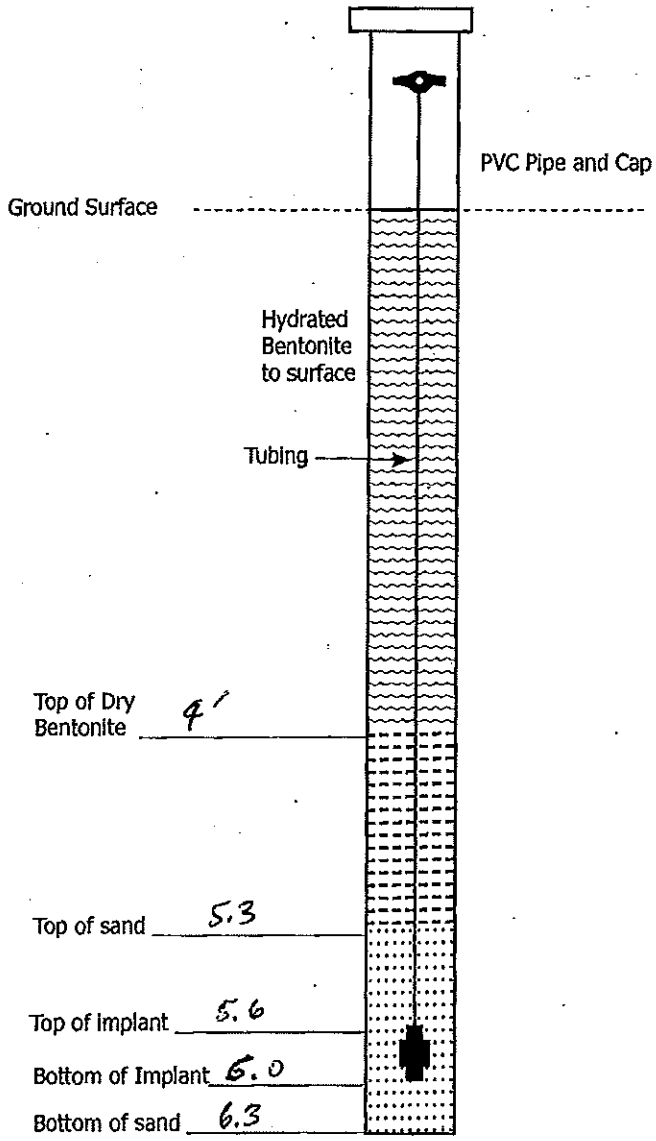
Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Surface Description: Graded, Fmr B400G | | | | | |
| 0.0 | | | | | | 0 | ML | Silt (ML), dark brown (10YR 3/3), med. dense, dry, low-plasticity silt, fine sand, no odors or stains, fill. | - | - | - | 30 | 70 |
| | | | | | | 1 | | | | | | | 35/70 |
| | | 48" | None | | | 2 | SM | Silty Sand (SM), yellowish brown (10YR 5/4) loose, dry, fine to medium sand, low-plasticity silt, fill. ~~slightly~~ clayey slightly | - | - | 10 | 45 | ~~45~~ (V.V.) |
| | | | | | | 3 | | | | | | | |
| | | 14" | (V.V.) | | 10:55 | 4 | | @3' minor ~~iron~~ staining (yellowish brown 10YR 5/6), (HP) | | | | | |
| | | | | | | 5 | Br | @4' color changes to dark brown (10YR 3/3) | | | | | |
| | | | | | | 6 | | @5' grades w/ red brick fragments (fill) | | | | | |
| | | | | | | 7 | | @5.2' weathered bedrock, sandstone | | | | | |
| | | | | | | 8 | | TD= ~~5.2~~ 6.5', refusal on bedrock, ~~no~~ probes installed. ~~Collect soil samples at 4.5-5.0, @10:55~~ | | | | | |
| | | | | | | 9 | | Install probe @ 5.3 ~~-5.5~~ 6.3 ft (Caved-in) (V.V.) | | | | | |

MWH

# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSV-DG-552
Job #: 10503982.3060105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 2
Site: 5B
Reviewed by:
Logged by: V. Vathanasiou
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400/DP
Driller: Morgan Hughes
Borehole TD: 6.5'
Probe Completion Date/Time: 1130/5-14-14
Borehole Diameter: 2.25"




Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: CEMEX

Dry Bentonite
Type: #8
Manufacturer: CETCO

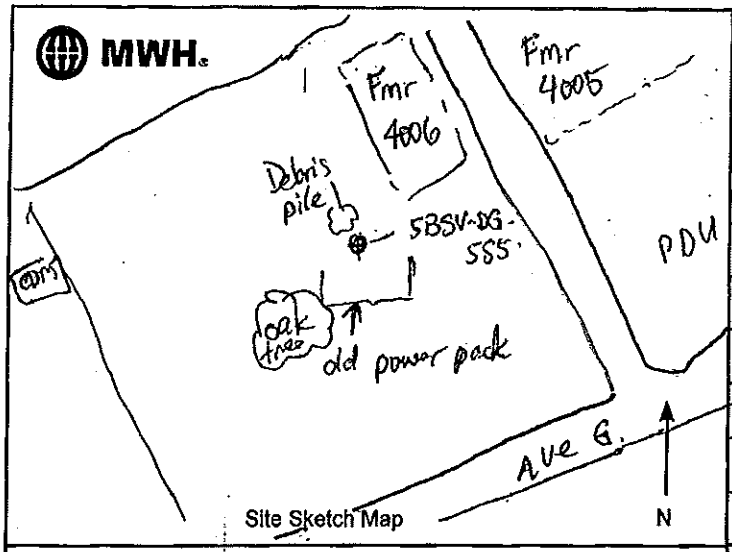
Hydrated Bentonite
Type: #8
Manufacturer: CETCO

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH



Site Sketch Map

| | |
|---|---|
| Boring ID: 5BSV-DG-555 | Sheet 1 of 1 |
| Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014 | |
| Job #: 10503982.3050105/ 10503982.3060105 | Site: 5B |
| Logged By: V. Vathanasin | Reviewed By: |
| Drilling Contractor: EST | Drillers Name: Morgan Hughes |
| Drill Rig Type/Method: Geoprobe 5400 / DP | |
| Sampler Type: Macrocore | |
| Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 8.25' |
| Drill Bit Type: Macrocore | |
| Drill Start Time/Date: 1240 / 5-14-14 | Drill Finish Time/Date: 1315 / 5-14-14 |
| Soil Vapor ID: 5BSV-DG-555 | Soil Boring Backfill Time/Date: N/A; Backfill Material: N/A |
| Soil Vapor Well Completion Time/Date: 1325 / 5-14-14 | Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None |
| Soil Vapor Probe Depths (ft.bgs): 7.2'-8.2' | Surface Completion: Soil vapor probe |
| Soil Vapor Well Detail Completed (yes/no) | Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None |

Soil Description
1) Soil type; 2) USCS Symbol; 3) Munsell Color; 4) Consistency/Density; 5) Moisture; 6) Grain Size %; 7) Cementation; 8) Plasticity (fines); 9) Geologic Unit (fill, alluvium, bedrock); 10) Misc. Observations

Surface Description: Unpaved Road.

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Estimated % of Gravel | Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | 0 | SM | Silty Sand with Gravel (SM), pale brown (10YR 6/3), loose, dry, fine to coarse sand, fine angular to sub angular gravel (road base), non-plastic fines, no stains or odor, fill | 10 | 5 | 20 | 30 | 35 |
| | | 36" | | | | 2 | SM | @2' grades w/o gravel | - | 5 | 25 | 35 | 35 |
| | | | | | | 3 | SM | @2.5 no coarse or medium sand | - | - | - | 60 | 40 |
| | | | | | | 4 | | @ 3.75' ~~weak~~ brown stains (10YR 5/3) | | | | | |
| 0.0 | | | | | | 5 | | @5' grades to → | - | - | 10 | 70 | 20 |
| | | 48" | | | | 6 | | | | | | | |
| | | | | | | 7 | | @7' - brownish yellow (10YR 6/6) iron staining | | | | | |
| | | 3" | | | | 8 | | @ 8.25' Sandstone, weathered. TD = 8.25' ft bgs; refusal on sandstone bedrock. Install vapor probe at 7.2'-8.2' bgs | | | | | |
| | | | | | | 9 | | | | | | | |

QA/QC
Surficial media boring log rev 2-26-2014

MWH

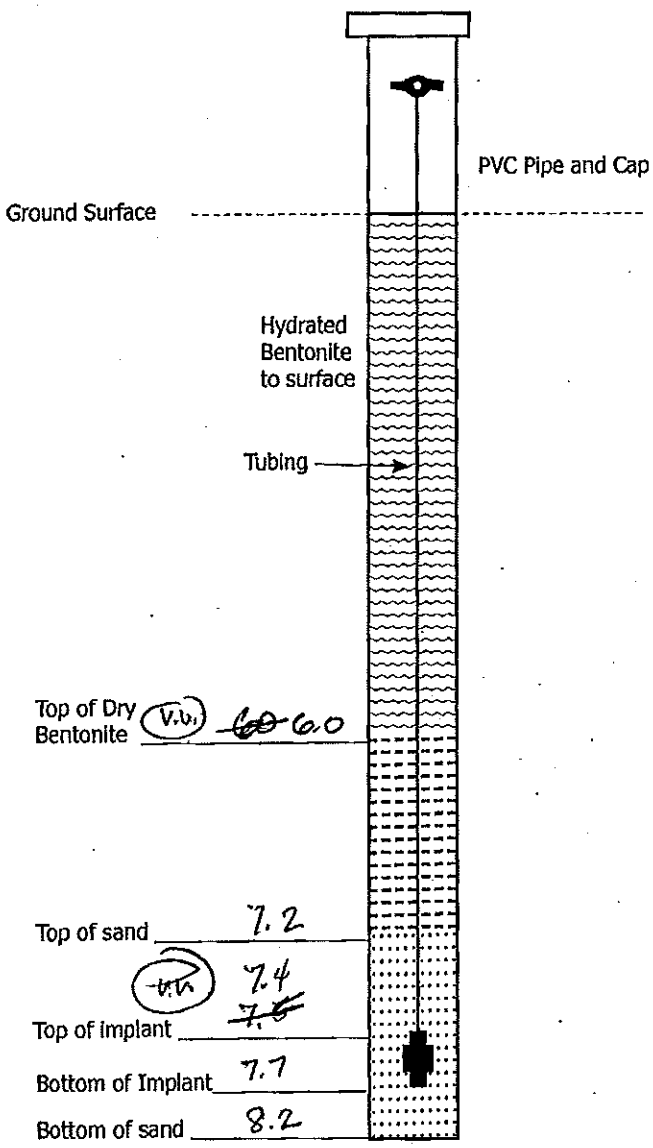
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSV-DG-555 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 2

Site: SB | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400/DP | Driller: Morgan Hughes

Borehole TD: 8.25 | Probe Completion Date/Time: 1325/5-14-14 | Borehole Diameter: 2.25"




Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: Clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Lonestar

Dry Bentonite

Type: #8

Manufacturer: Cetco

Hydrated Bentonite

Type: #8

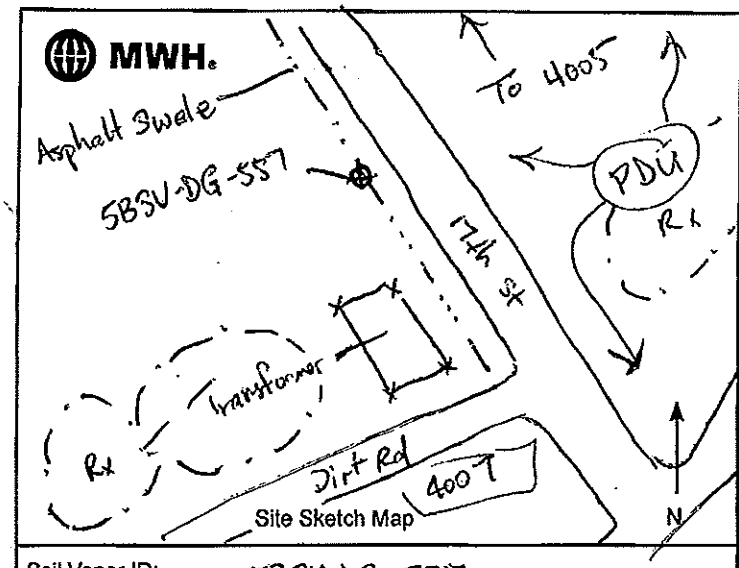
Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH




| | |
|---|---|
| Boring ID: 5BSV-DG-557 | Sheet 1 of 1 |
| Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014 | |
| Job #: 10503982.3060105/ 10503982.3060105 | Site: 5B |
| Logged By: V. Vathanasin | Reviewed By: |
| Drilling Contractor: EST | Drillers Name: Morgan Hughes |
| Drill Rig Type/Method: Geoprobe 5400 / DP | |
| Sampler Type: Macrocore | |
| Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 9.0 |
| Drill Bit Type: Macrocore | |
| Drill Start Time/Date: 1440 / 6-2-14 | Drill Finish Time/Date: 1430 / 6-2-14 |
| Soil Vapor ID: 5BSV-DG-557 | Soil Boring Backfill Time/Date: N/A |
| Soil Vapor Well Completion Time/Date: 1440 / 6-2-14 | Backfill Material: N/A |
| Soil Vapor Probe Depths (ft.bgs): 4.5-5.5 | Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None |
| Soil Vapor Well Detail Completed (yes/no) | Surface Completion: Soil vapor probe |
| | Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None |

Soil Description

1) Soil type; 2) USCS Symbol; 3) Munsell Color; 4) Consistency/Density; 5) Moisture; 6) Grain Size %; 7) Cementation; 8) Plasticity (fines); 9) Geologic Unit (fill, alluvium, bedrock); 10) Misc. Observations

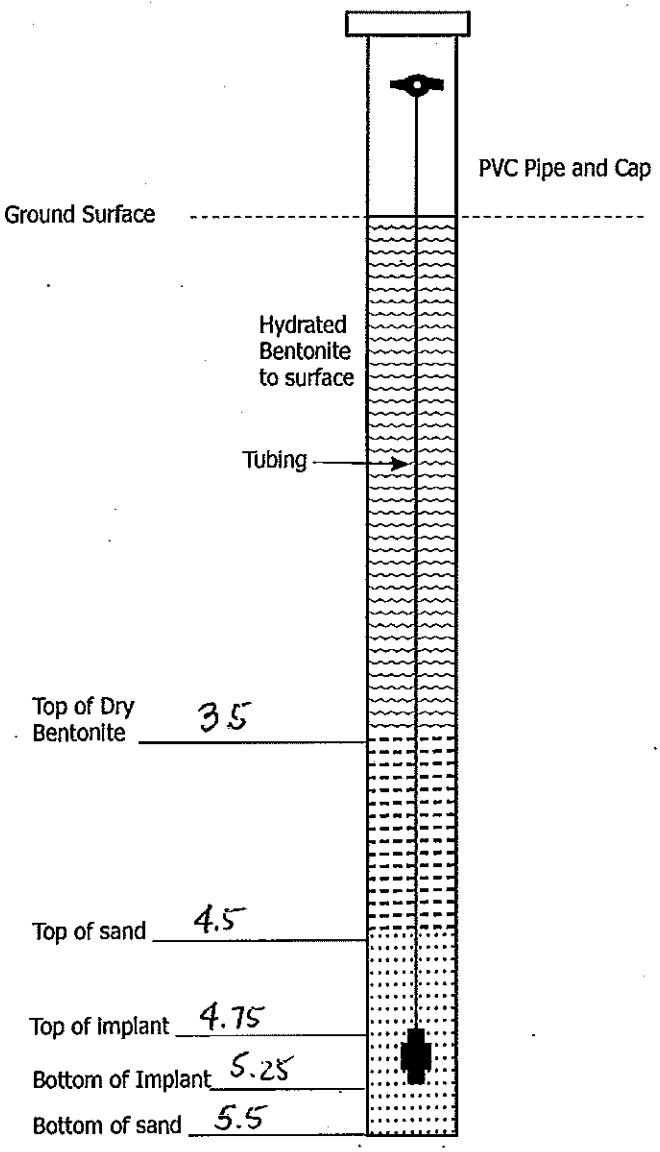
Surface Description: In asphalt transfer swale (V.V.)

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | AE / SM | Asphalt 2" | – | – | – | 60 | 40 |
| | | | | | | 1 | SM | Silty Sand (SM), dark brown (10YR 3/3), | | | | | |
| | | 42" | NONE | | | 2 | | med. dense, dry, fine sand, non-plastic silt, moderate silt cement, dark asphalt staining, no odors, field | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | SP-SM | @3.4 Poorly Graded Sand with Silt (SP-SM), dark yellowish brown (10YR 4/6), med. dense, dry, fine sand, non-plastic silt, possibly native soil, no odors (V.V.) | – | – | – | 80 | 20 |
| | | 30" | WELL | | | 5 | | stains reddish yellow iron stain (5YR 7/8) | | | | | |
| | | | | | | 6 | Br | @5.5 Weathered Shale. | | | | | |
| | | | | | | 7 | | | | | | | |
| | | 24" | NONE | | | 8 | | | | | | | |
| | | | | | | 9 | | @9.0 Refusal in shale. TD=9.0, refusal in bedrock. Set probe above bedrock at 4.5-5.5. Backfill w/ med. sky | | | | | |

MWH

# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSV-DG-557
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling
Site: SASB
Reviewed by:
Logged by: V. Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400 / DP
Driller: Morgan Hughes
Borehole TD: 9.0'
Probe Completion Date/Time: 1445 / 6-2-14
Borehole Diameter: 2.25"




**Vapor Implant Specs**
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

**Tubing Specs**
Material: Teflon
Diameter: 1/4"
Color: Clear

**Sand Pack Specs**
Grain Size: #3
Manufacturer: Cemex

**Dry Bentonite**
Type: #8
Manufacturer: Cetco

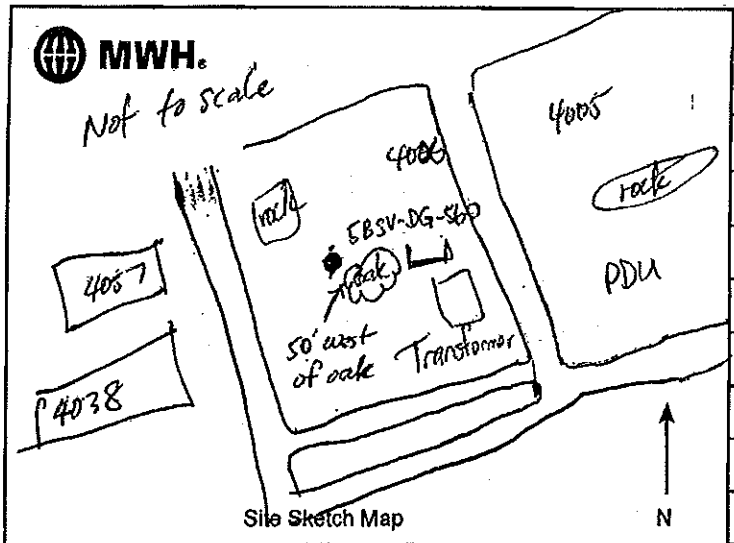
**Hydrated Bentonite**
Type: #8
Manufacturer: cetco

* Drilled into weathered bedrock (shale).
Backfilled to bedrock / alluvium (fill) contact w/ medium chips.
↑ hydrated (V.V.)

**Notes:**
1. Probes not drawn to scale.

**FIGURE 4-1**

MWH



Site Sketch Map

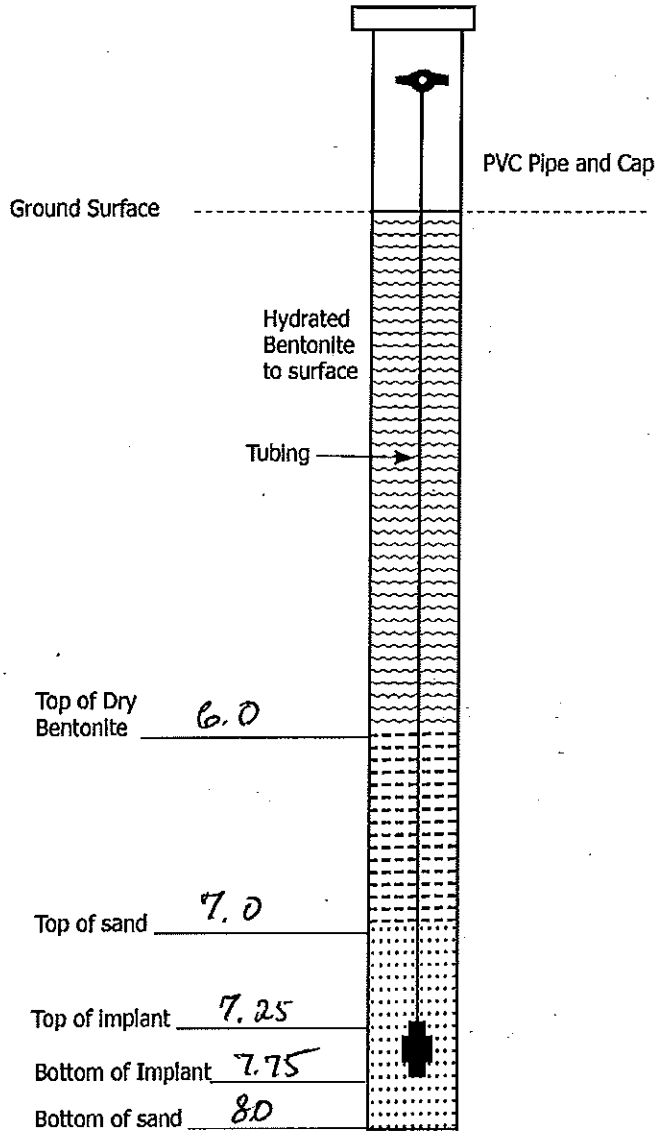
| | | | |
|---|---|---|---|
| Boring ID: SBSV-DG-560 | Sheet 1 of 1 | | |
| Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014 | | | |
| Job #: 10503982.3060105/ 10503982.3060105 | Site: SB | | |
| Logged By: V. Vathanasin | Reviewed By: | | |
| Drilling Contractor: EST | Drillers Name: Morgan Hughes | | |
| Drill Rig Type/Method: Geoprobe 5400 / DP | | | |
| Sampler Type: Macrocore | | | |
| Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 8.0 | | |
| Drill Bit Type: Macrocore | | | |
| Drill Start Time/Date: 1425 / 5-14-14 | Drill Finish Time/Date: 1447 / 5-14-14 | | |
| Soil Vapor ID: SBSV-DG-560-7.0-8.0 | Soil Boring Backfill Time/Date: N/A | Backfill Material: N/A | |
| Soil Vapor Well Completion Time/Date: 15:10 / 5-14-14 | Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None | | |
| Soil Vapor Probe Depths (ft.bgs): 7.0-8.0 | Surface Completion: Soil vapor probe | | |
| Soil Vapor Well Detail Completed (yes)/no | Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None | | |

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description: Surface Description: Backfill, shrubs | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Silty Sand (SM), yellowish brown (10YR 5/4), loose, dry, fine sand, non-plastic silt, roots, fill | - | - | - | 65 | 35/ |
| | | 48" | NONE | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | SM-SC | Silty clayey Sand (SM-SC), brown (10YR 5/3), medium dense, dry, fine sand, low plasticity silt/clay, no odors (UV) or stains, fill | - | - | - | 60 | 30/10 |
| 0.0 | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | @4' color changes to light yellowish brown (10YR 6/4) | - | - | - | 70 | 30 |
| | | 48" | NONE | | | 6 | SM | @5' Silty (UV) Sand (SM), brownish yellow (10YR 6/6), loose, dry, fine sand, non-plastic silt, non cemented, fill, no odors (UV), reddish yellow (5YR 6/8) iron staining. | | | | | |
| 0.0 | | | | | | 7 | | | | | | | |
| | | | | | | 8 | Br | Sandstone, weathered, Chatsworth Fm | | | | | |
| | | | | | | 9 | | TD = 8.0 ft, refusal on bedrock, install vapor probe at 7.0-8.0 ft | | | | | |

MWH

# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSV-DG-560
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling
Site: SB
Reviewed by:
Logged by: V. Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400/DP
Driller: Morgan Hughes
Borehole TD: 8.0
Probe Completion Date/Time: 5-14-14/1510
Borehole Diameter: 2.25"




Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: CETCO

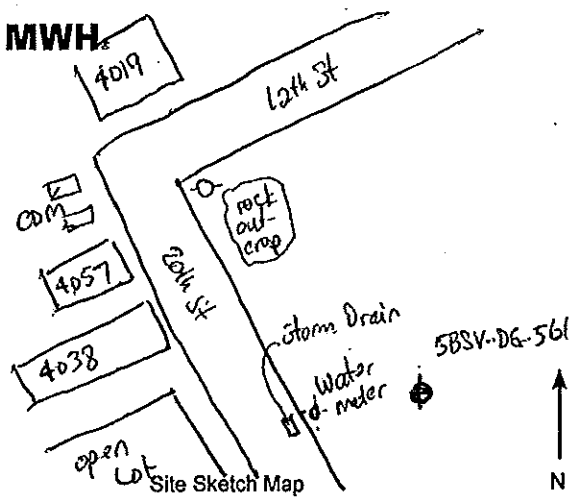
Hydrated Bentonite
Type: #8
Manufacturer: CETCO

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH



Site Sketch Map

Boring ID: 5BSV-DG-561 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5B

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 10.5

Drill Bit Type: Macrocore

Drill Start Time/Date: 1225 / 5-15-14 Drill Finish Time/Date: 1538 / 5-15-14

Soil Vapor ID: NONE

Soil Boring Backfill Time/Date: 1540 / 5-15-14 Backfill Material: Soil Cuttings

Soil Vapor Well Completion Time/Date: N/A

Observations: ☒ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): N/A

Surface Completion: None

Soil Vapor Well Detail Completed (yes/no) N/A

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) | Estimated % of Gravel | Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Surface Description: Backfill, old leachfield | | | | | |
| | | 48" | None | | | 0 | SM | Silty Sand ~~w/ Clay~~ (SM), very pale brown (10YR 7/4), loose, dry, fine sand, non-plastic silt, roots, fill, ~~stiff clay~~ V.V. | - | - | - | ~~60~~ 70 | ~~30~~ 30 (V.V.) |
| | | | | | | 1 | | | | | | | |
| | | | | | | 2 | | grades w/ clay, stiff - low plasticity, no roots, no odors | - | - | - | 70 | 20/10 |
| | | | | | | 3 | GW | Gravel (GW), light gray (10YR 7/1), fine to coarse, angular to subangular gravel, leach field. | | | | | |
| | | | | | | 4 | 3.5' | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | 34" | None | | | 6 | | TD = 10.5' bgs, refusal on shale bedrock | | | | | |
| | | | | | | 7 | | Stepped out 3 times to east and encountered refusal between 1.5 - 2.0 ft. in Sandstone (i.e. not in leachfield) | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | None | | | 9 | SM | ~~Silty Clay~~ Silty Sand (SM), light yellowish brown (10YR 6/4), loose, dry, fine sand, non-plastic silt ~~to MED DENSE~~ | - | - | - | 65 | 35 |
| | | 12" | | | | 10 | | | | | | | |

Pr @10.5 Shale bedrock; ~ 3" WEATHERED SANDSTONE (#6)

QA/QC

Surficial media boring log rev 2-25-2014

MWH

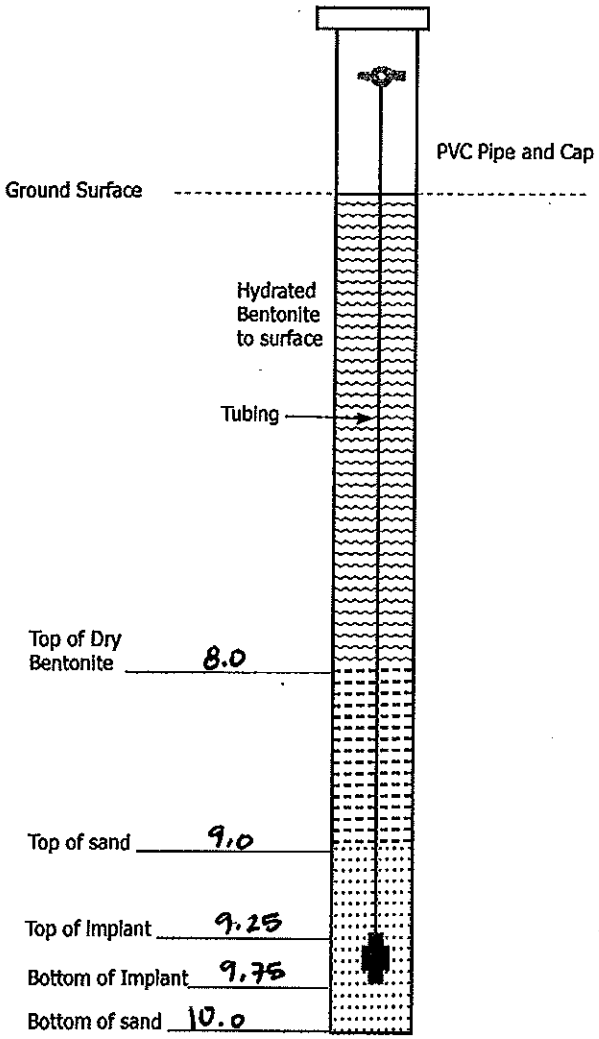
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSV-DQ-501 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 2014

Site: SA SB | Reviewed by: | Logged by: ANDREW PHYNE

Drilling Contractor: EST | Rig Type/Method: GEOPROBE 5400/D.P. | Driller: MARTIN KILPATRICK

Borehole TD: 10.0 | Probe Completion Date/Time: 6/10/14 1490 | Borehole Diameter: 2.25"




Vapor Implant Specs

Material: STAINLESS STEEL

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: TEFLON

Diameter: 1/4"

Color: CLEAR

Sand Pack Specs

Grain Size: #3

Manufacturer: CEMEX

Dry Bentonite

Type: #8

Manufacturer: CETCO

Hydrated Bentonite

Type: #8

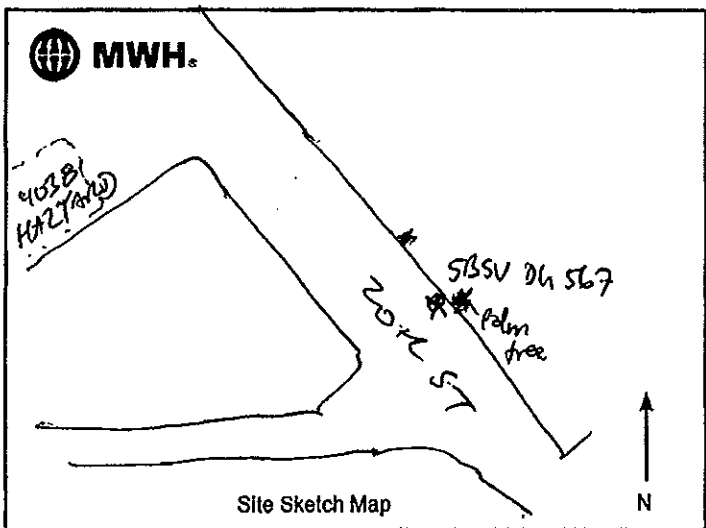
Manufacturer: CETCO

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH




| | |
|---|---|
| Boring ID: SBSV DG567 | Sheet 1 of 1 |
| Project: Phase 3 DOE SVDG 2014 | |
| Job #: 10503982.3050106 | Site: SB |
| Logged By: RNB ELLIS | Reviewed By: |
| Drilling Contractor: EST | Drillers Name: MARK KICHLINE |
| Drill Rig Type/Method: GEOPROBE 5400 | |
| Sampler Type: MACRO CORE | |
| Borehole Diam (inch): 2.25" | Total Depth (ft bgs): 5.5' |
| Drill Bit Type: MACROCORE | |
| Drill Start Time/Date: 15:00 02JUN14 | Drill Finish Time/Date: 15:10 02JUN14 |
| Soil Vapor ID: SBSV DG-567 | Soil Boring Backfill Time/Date: N/A |
| Soil Vapor Well Completion Time/Date: 02JUN14, 15:20 | Backfill Material: N/A |
| Soil Vapor Probe Depths (ft.bgs): 4.5 - 5.5 | Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None |
| Soil Vapor Well Detail Completed (yes/no) | Surface Completion: Asphalt / SV. Probe |
| | Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None |

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Surface Description: Asphalt swale | | | | | |
| | | 48" | | | | 0 | | 4" Asphalt | | | | | |
| | | | | | | | | 0.0 - 0.5 | | | | | |
| | | | | | | 1 | | Silty sand (sm); brown (10YR 4/3), very loose, dry, Predominant fine sand (60), little silt (25), few med. sand (10), No stain, no odor, Fill, There are gravels that are asphalt. | — | — | 10 | 65 | 25 |
| | | | | | | 2 | SM | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | | | 0.5 - 4.0 | | | | | |
| | | 18" | | | | 4 | SM | Silty sand (sm), very dark gray (10YR 3/1), med. dense, dry, Low plastic. Predominant fine sand (60), some silt (40), TR coarse grained | — | TR | TR | 60 | 40 |
| | | | | | | 5 | SM | | | | | | |
| | | | | | | TD | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | TD = 5.5' bgs Refusal on sandstone bedrock | | | | | | | grain sand, No stain no odor, Fill 4.0 - 5.0 | | | | | |
| | | | | | | 7 | | Silty sand (sm); dark yellowish brown (10YR 4/6) similar to above w/ gradational color change and less silt., roots. | — | 10 | 60 | 30 | |
| | | | | | | 8 | | | | | | | |
| | | | | | | | | 5.0 - 5.5 | | | | | |
| | | | | | | 9 | | Poorly graded sand (SP), yellowish brown (10YR 5/4), loose, moist, Predominant fine sand (80), few med sand (10), few silt (10). | — | — | 10 | 80 | 10 |

MWH

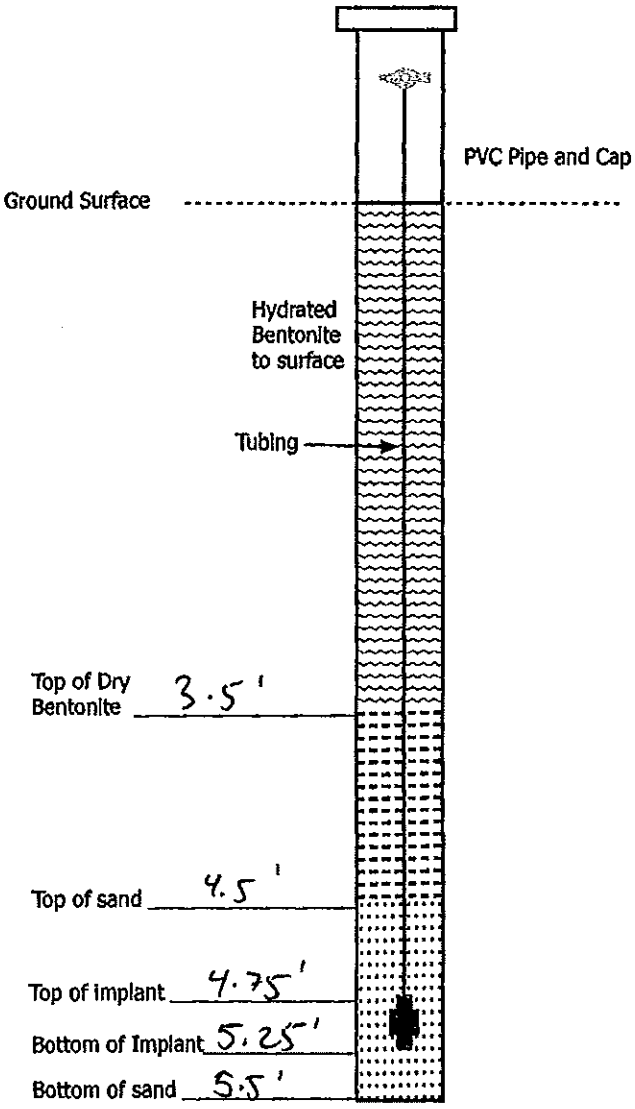
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSVDG-567 Job #: 10503982.3050106/10503982.3060106 Project: Phase 3 DOE Data Gap Sampling 201

Site: SB Reviewed by: _____ Logged by: R. BELLES

Drilling Contractor: EST Rig Type/Method: GEOPROBE 5400 Driller: MATT KILLEEN

Borehole TD: 5.5' bgs Probe Completion Date/Time: JUNE 14, 15:20 Borehole Diameter: 2.25"




Vapor Implant Specs

Material: stainless steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Lonex

Dry Bentonite

Type: #8 crumble

Manufacturer: Cetco

Hydrated Bentonite

Type: #8 crumble

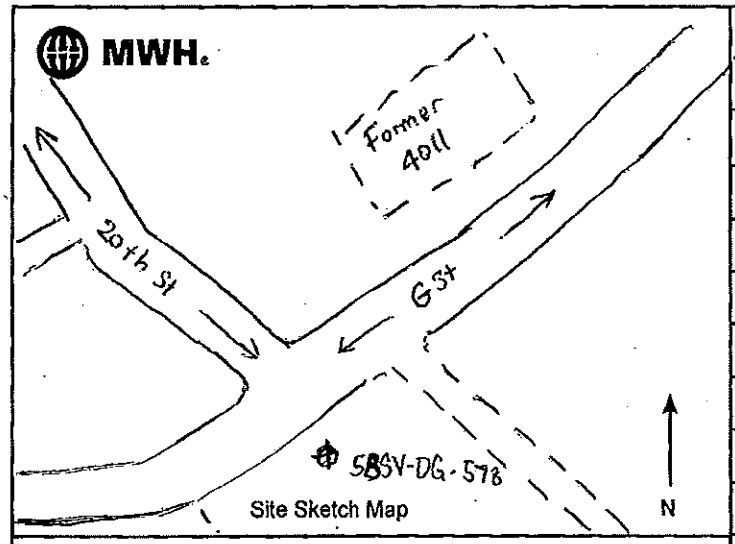
Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH



Site Sketch Map

Boring ID: SBSV-DG-578 | Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 | Site: 5B

Logged By: V. Vathanasin | Reviewed By:

Drilling Contractor: EST | Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 9.0

Drill Bit Type: Macrocore

Drill Start Time/Date: 0745 / 6-3-14 | Drill Finish Time/Date: 0805 / 6-3-14

Soil Vapor ID: SBSV-DG-578

Soil Boring Backfill Time/Date: N/A | Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 0825 / 6-3-14

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 8.0-9.0

Surface Completion: Soil vapor probe.

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Surface Description: Hummocky Area | | | | | |
| | | | | | | 0 | SM-GW | Silty Sand w/ Gravel (SM-GW), yellowish brown (10YR 5/6), loose, dry, fine to coarse sand, fine angular gravel, grass roots at surface, fill | 10 | 10 | 25 | 35 | 20/ |
| | | 45" | | | | 1 | | | | | | | |
| | | | NONE | | | 2 | SM | | - | - | - | 65 | 35/ |
| | | | | | | 3 | | @1.7 Silty Sand (SM), dark yellowish brown (10YR 4/4), loose, dry, fine sand, non-plastic silt, no odors or stains, fill. | | | | | |
| 0.0 | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | *** TD = 9.0, refusal on bedrock. Install probe 8.0-9.0 | | | | | |
| | | 46" | NONE | | | 6 | | | | | | | |
| | | | | | | 7 | | grades with trace clay, fill | | | | | |
| | | 12" | NONE | | | 8 | SP | Poorly Graded Sand (SP), brownish yellow (10YR 6/6), loose, dry, fine sand, trace | - | - | - | 100 | TR/ |
| 0.0 | | | | | | 9 | | | | | | | |
| | | | | | | | Br | silt, no odors, no stains, native soil @9' Sandstone, weathered. | | | | | |

MWH

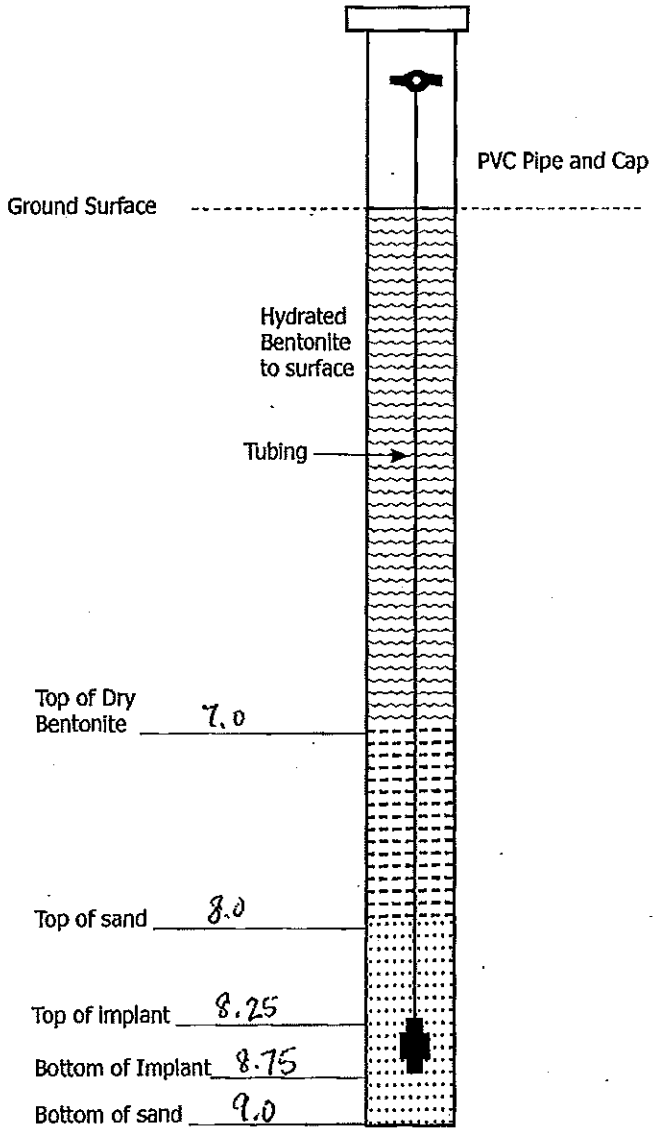
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSV-DG-578 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 2

Site: 5B | Reviewed by: | Logged by: V. Vathanasir

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400/DP | Driller: Morgan Hughes

Borehole TD: 9.0 | Probe Completion Date/Time: 825/6-3-14 | Borehole Diameter: 2.25"




**Vapor Implant Specs**

Material: Stainless steel

Length: 6"

Diameter: 3/8"

**Tubing Specs**

Material: Teflon

Diameter: 1/4"

Color: clear

**Sand Pack Specs**

Grain Size: #3

Manufacturer: Cemex

**Dry Bentonite**

Type: #8

Manufacturer: Cetco

**Hydrated Bentonite**

Type: #8

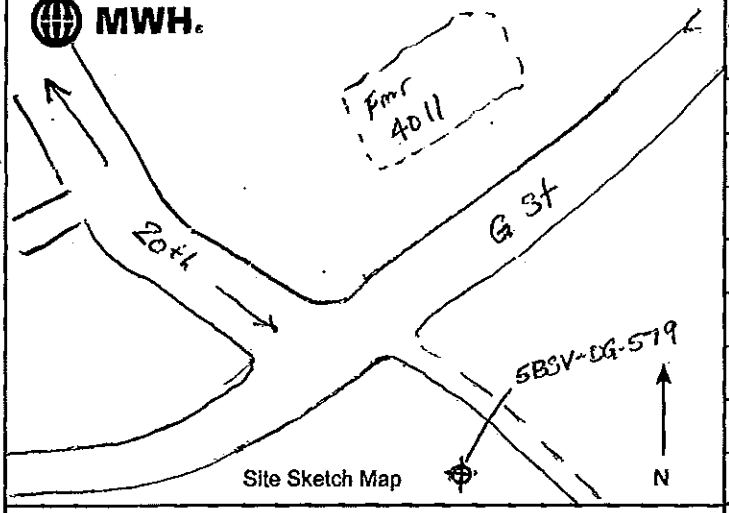
Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH



Site Sketch Map

Boring ID: SBSV-DG-579 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5B

Logged By: V. Vatharasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25 Total Depth (ft.bgs): 7.5

Drill Bit Type: Macrocore

Drill Start Time/Date: 0835 / 6-3-14 Drill Finish Time/Date: 0845 / 6-3-14

Soil Vapor ID: SBSV-DG-579

Soil Boring Backfill Time/Date: N/A Backfill Material:

Soil Vapor Well Completion Time/Date: 0900 / 6-3-14

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 6.5-7.5

Surface Completion: Soil vapor probe

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Small man made ridge

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Estimated % of Sand: Gravel | Coarse | Medium | Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Silty Sand (SM), dark yellowish brown (10YR 4/4), loose, dry, fine sand, silt, friable, no staining, no odors, few roots | -- | - | -- | 65 | 35 |
| | | 40" | NONE | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| 2.0 | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | | | | | | |
| | | 36" | NONE | | | 6 | SM | Changes to yellowish brown (10YR 5/4), mostly fine sand, less silt, possibly native soil (little change to refusal) (V.V) | - | - | - | 80 | 20 |
| 0.0 | | | | | | 7 | SP-SM | Poorly Graded Sand w/ Silt - native | - | - | - | 90 | 10 |
| | | | | | | 8 | Br | Sandstone, weathered | | | | | |
| | | | | | | | | TD = 7.5, refusal on bedrock; Lodall probe at 6.5-7.5 | | | | | |
| | | | | | | 9 | | | | | | | |

MWH

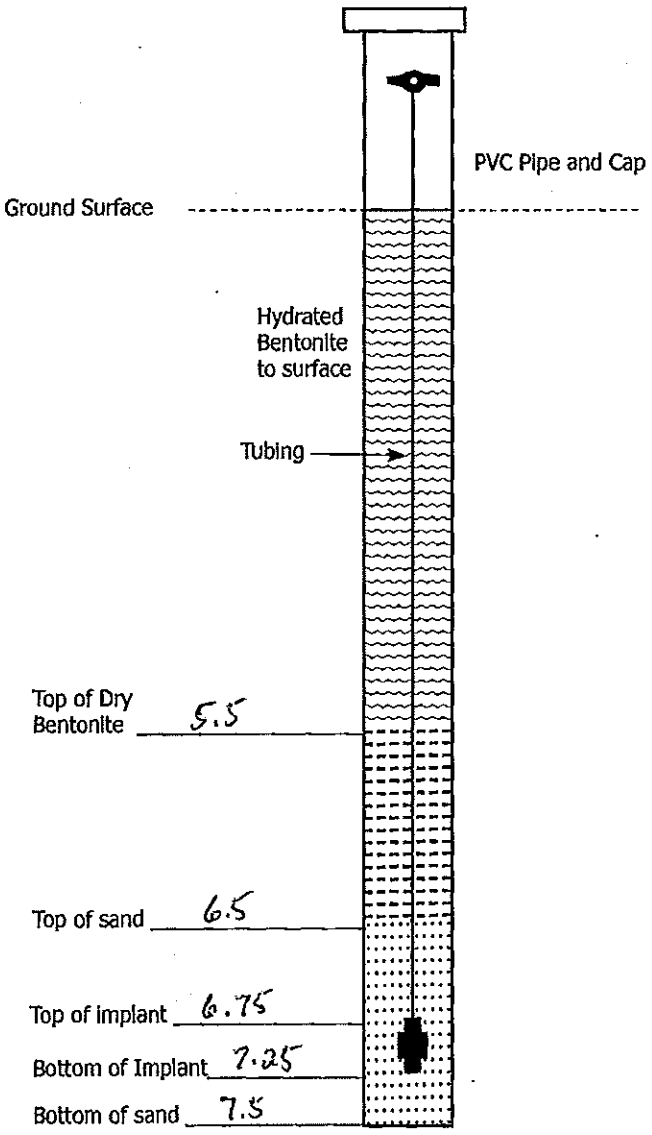
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSV-DG-579 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling

Site: SB | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 / DP | Driller: Morgan Hughes

Borehole TD: 7.5' | Probe Completion Date/Time: 0900/6-3-14 | Borehole Diameter: 2.25"




Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH

Boring ID: SBSV_DG-580 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: SB

Logged By: A. Bevins Reviewed By:

Drilling Contractor: EST Drillers Name: Jonathan Hummer

Drill Rig Type/Method: HAND AUGER

Sampler Type: BUCKET AUGER 4" SS

Borehole Diam (inch): 3.5" Total Depth (ft.bgs): 8.3'

Drill Bit Type: BUCKET AUGER

Drill Start Time/Date: 13:31 11 JUN 14 Drill Finish Time/Date: 14:08 11 JUN 14

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Surface Completion: SV probe

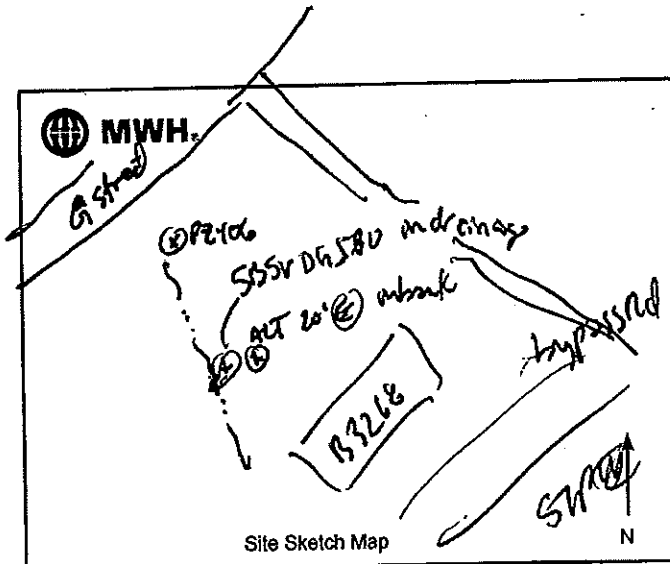
Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Vapor ID: SBSV_DG-580

Soil Vapor Well Completion Time/Date: 11 JUN 14; 14:18

Soil Vapor Probe Depths (ft.bgs): 7.0' - 8.0'

Soil Vapor Well Detail Completed (yes/no) attached



Site Sketch Map

Soil Description: metal debris / concrete mud / plaster

Surface Description: grassy loam.

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 ppm | | | | | | 0 | | 0.0 – 0.9 | | | | | |
| | | | | | | | | Silty sand (sm) brown (10YR 4/3), very loose, dry.. Mostly Fine sand (55), some silt (35), few med sand (10). Some root material. no stain, no odor FILL | - | - | 10 | 55 | 35 |
| | 1 to 2.2' 79% | | | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | | | 0.9 – 3.5 | | | | | |
| | | | | | | 3 | | Silty sand (sm), brown (10YR 4/3), wood, slightly moist. mostly fine sand (60), some silt (35), and few medium sand (5). No stain, no odor, FILL | - | - | 5 | 60 | 35 |
| | | | | | | 4 | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | 5 | | 3.5 – 8.0 | | | | | |
| TD = 8.3' w/ refusal on sandstone bedrock | | | | | | 6 | | Silty sand (sm). yellowish brown (10YR 5/4). Mostly fine sand (60), little silt (30), few med sand (10) loose, slightly moist, no stain, no odor. FILL / possible bedrock | - | - | 10 | 60 | 30 |
| | | | | | | | | | | | | | |
| Used ACT Location outside of drainage, ~20' E of Fill terrace | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | 8.0 – 8.3 | | | | | |
| | | | | | | 8.3 | | Weathered sandstone, brownish yellow (10YR 6/8). Decomposed (wet) clay rock (CH) soft (10) silt fraction: ~ 25-30% | | | | | |
| | | | | | | 9 | | | | | | | |

QA/QC

Subsurface media boring log rev 2-25-2014

MWH

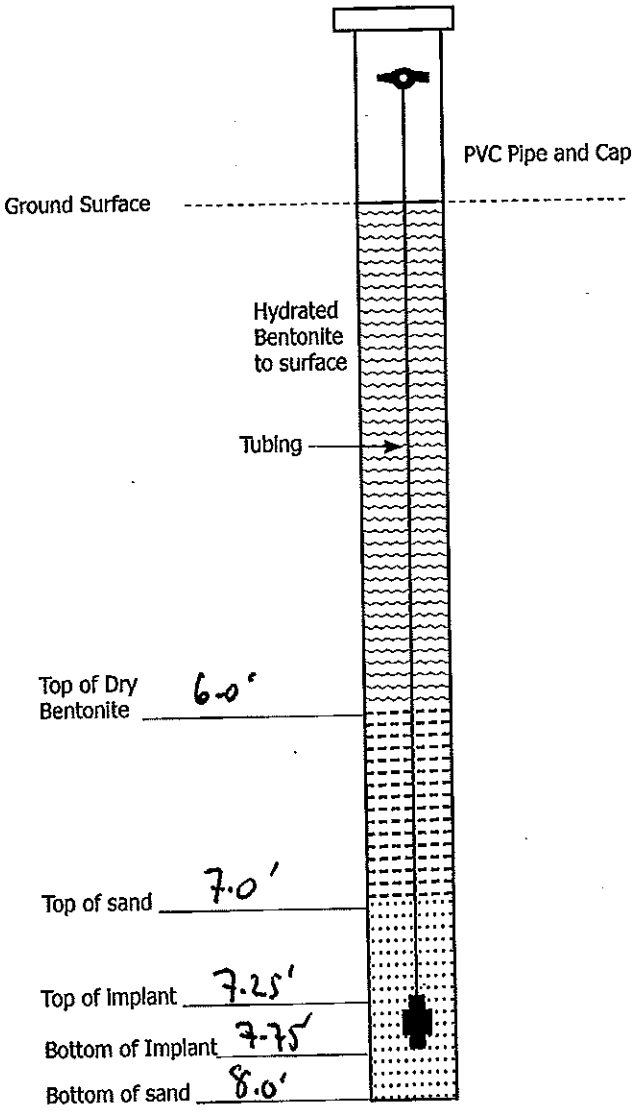
# Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSV_DG-580 Job #: 10503982.3050105/10503982.3060105 Project: Phase 3 DOE Data Gap Sampling 201

Site: SB Reviewed by: _____ Logged by: R. Ewers

Drilling Contractor: EST Rig Type/Method: HAND AUGER Driller: MORGAN HUGHES

Borehole TD: 8.3' bgs Probe Completion Date/Time: 11/20/14, 1418 Borehole Diameter: 3.5"




Vapor Implant Specs

Material: stainless steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: teflon

Diameter: 1/4"

Color: clear.

Sand Pack Specs

Grain Size: #3 sand

Manufacturer: Cemex

Dry Bentonite

Type: #8 crumbles

Manufacturer: Cetco

Hydrated Bentonite

Type: #8 crumbles

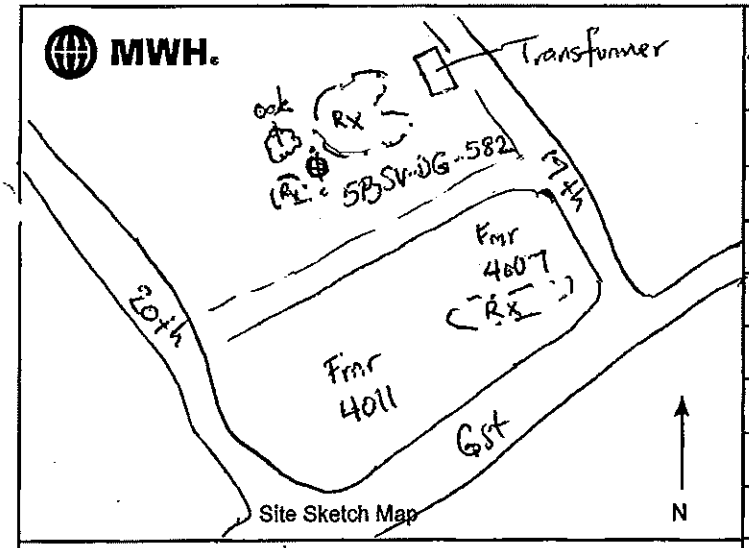
Manufacturer: Cetco

**Notes:**

1. Probes not drawn to scale.

**FIGURE 4-1**

MWH




| | |
|---|---|
| Boring ID: SBSV-DG-~~584~~ | Sheet 1 of 1 |
| Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014 | |
| Job #: 10503982.3050105/ 10503982.3060105 | Site: SA 5B |
| Logged By: V. Vathanasin | Reviewed By: |
| Drilling Contractor: EST | Drillers Name: Morgan Hughes |
| Drill Rig Type/Method: Geoprobe 5400 / DP | |
| Sampler Type: Macrocore | |
| Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 1.0 |
| Drill Bit Type: Macrocore | |
| Drill Start Time/Date: 1340 / 6-2-14 | Drill Finish Time/Date: 1353 / 6-2-14 |
| Soil Vapor ID: N/A | Soil Boring Backfill Time/Date: 1400 / 6-2-14 Backfill Material: Soil cuttings |
| Soil Vapor Well Completion Time/Date: N/A | Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None |
| Soil Vapor Probe Depths (ft.bgs): N/A | Surface Completion: None |
| Soil Vapor Well Detail Completed (yes/no) | Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None |

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | X | | | | | 0 | SM | Surface Description: In abowl surrounded by rock, | | | | | |
| 0.0 | X | 12" | NONE | | | 1 | | Silty Sand (SM), yellowish brown (10YR 5/6), loose, dry, fine to medium sand, non-plastic silt, fine gravel at the surface (Road Base), no odors or stains, backfill (re-worked native soil). | -- | - | 20 | 55 | 25 |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | | | | | | |
| | | | | | | 4 | | TD = 1.0 ft. Refusal on bedrock. | | | | | |
| | | | | | | 5 | | Drill 2-step out borings with similar results. No samples were collected - TD < 1.5' (too shallow per SOP) | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

MWH

Boring ID: SBSV-DG-584 Sheet 1 of 2

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: SA5B

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5460 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 21.0

Drill Bit Type: Macrocore

Drill Start Time/Date: 1125 / 6-2-14 Drill Finish Time/Date: 1230 / 6-2-14

Soil Vapor ID: SBSV-DG-584

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 1300 / 6-2-14

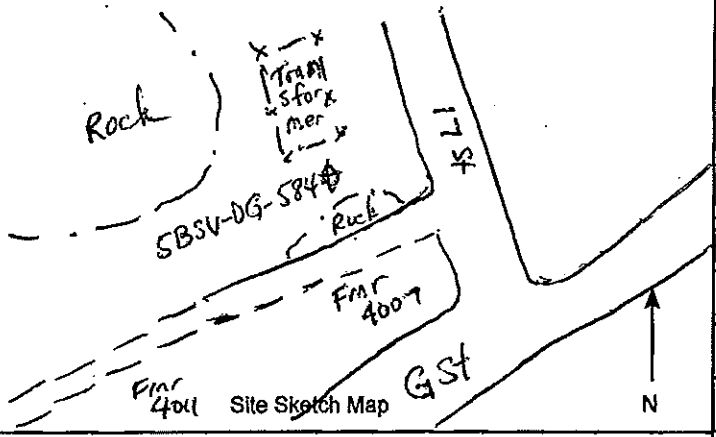
Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 10.0-11.0, 15.0-16.0, 20.0-21.0

Surface Completion: Soil vapor probes

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None




| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | SM | Silty Sand (SM), brown (10YR 4/3), loose, dry, fine sand, non-plastic fines, roots, asphalt debris, fill, no odor, no stain. | - | - | - | 70 | 30 |
| | | 45" | | | | 1 | | | | | | | |
| | | | | | | 2 | | | | | | | |
| | | | | | | 3 | | @3' Color changes to dark brown (10YR 3/3). | | | | | |
| | | | | | | 4 | | | | | | | |
| | | | | | | 5 | | @5' color changes to dark yellowish brown (10YR 4/4, grades with clayey nodules, fill | - | - | - | 60 | 30/10 |
| | | 48" | | | | 6 | | @6' color changes to yellowish brown (10YR 5/6). | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | Poorly Graded Sand w/ Gravel (SP-GW), | 5 | - | 20 | 75 | TR |
| | | | | | | 9 | SP-GW | yellowish brown (10 YR 5/8), loose, dry, fine-to-medium sand, fine gravel, trace fines, fill, friable | | | | | |
| | | 48" | | | | | | | | | | | |

Boring ID: SBSV-DG-584 Project: Phase 3 DOE Soil Vapor Data Sep 2014 Sheet 2 of 2

| PID/OVA | Sample Interval | Recovered (in.) | Retained for Analysis | Sample Number | Sample Time | Depth (Feet) | USCS Soil Type | Soil Description | Gravel | Estimated % of Sand: Coarse | Sand: Medium | Sand: Fine | Silt/clay |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 10 | SP | | | | | | |
| | | NONE | | | | 11 | | | | | | | |
| | | | | | | 12 | | | | | | | |
| | | 48" | | | | 13 | | | | | | | |
| | | NONE | | | | 14 | | | | | | | |
| | | | | | | 15 | | | | | | | |
| | | | | | | 16 | SM | Silty Sand (SM), yellowish brown (10YR5/6) with pale brown (10YR 6/3) weathered zones, ~~fine sand~~, loose, slightly moist, fine sand, non-plastic silt, fill, no odors or stains. | | | | | |
| | | 45" | | | | 17 | | | | | | | |
| | | NONE | | | | 18 | | | | | | | |
| | | | | | | 19 | | | | | | | |
| | | | | | | 20 | | w/ gravel and silt (VA) | | | | | |
| | | 8" | | | | | SW | Well Graded Sand (SW), dark yellowish brown (10YR 4/6), loose, dry, fine to coarse sand, fine gravel, non-plastic silt, ~~fill~~ - very different from upper sections. | | | | | |
| | | NONE | | | | 21 | WB | | | | | | |
| | | | | | | 22 | | | | | | | |
| | | | | | | 23 | | @ 21' Sandstone, weathered. | | | | | |
| | | | | | | 24 | | TD = 21.0 ft, refusal on sandstone bedrock, backfill on top of bedrock - install vapor probes at 5.0-6.0, 10.0-11.0, 15.0-16.0, and 20.0-21.0 | | | | | |
| | | | | | | 5 | | | | | | | |
| | | | | | | 6 | | | | | | | |
| | | | | | | 7 | | | | | | | |
| | | | | | | 8 | | | | | | | |
| | | | | | | 9 | | | | | | | |

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations