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 EB2-051514 Date/Time 05/15/2014 0905

Matrix (circle one): Soil Sediment (Water)

Start Depth ~~SMSSH~~

End Depth

Depth Units (circle one): ~~Inches~~ Feet ~~SMSSH~~

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	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

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 Whitney Vredeveld 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 05/2014

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 [illegible]

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 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 id# = 53270

NA – Not Applicable

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

Sample ID EBI-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

Small

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 Steph Mupel

Sample ID EB2-060414 Date/Time 06/04/14 0720

Matrix (circle one): Soil Sediment (Water)

Start Depth ~~SS 060414~~

End Depth

Depth Units (circle one): ~~SS 060414~~ 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
				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 _____

ASTM LOT WATER # 53270

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By: Stephanie Myers

Sample ID: EB4-060414

Date/Time: 06/04/14 0708

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

Start Depth: SB 6/4/14

End Depth: SB 6/4/14

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 Muse

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

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

Start Depth ~~SMUSE 14~~

End Depth

Depth Units (circle one): Inches, Feet ~~SMUSE 14~~

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~~ Juan

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 4oml Equipment Blank

ASTM WATER LOT #: 53270

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

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) 1.0m/14

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	

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 RE- DPT 3 vials 40ml

Equipment Blank

ASTM WATER LOT # 53270

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

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 RNB 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 ~~000~~ 40ml.
Equipment Blank

ASTM WATER LOT # 53270

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

Sample ID EBY-061114 Date/Time 11 JUN 14 ; 0724

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 – HA 3002, 4002.
Equipment Blank

ASTM WATER LOT # 53270

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Steve Myers

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
				CH	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 Shay Myers

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

Matrix (circle one): Soil Sediment (Water)

Start Depth Sm050814

End Depth

Depth Units (circle one): Inches Feet Sm050814

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

SM0514

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 Shy Myers

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

Matrix (circle one): Soil Sediment (Water)

Start Depth SMS 3/14

End Depth

Depth Units (circle one): Inches Feet SMS 3/14

Check if Composite ☐

Collection Method (circle one): DPT Slide Hammer Hand Auger/Slide Hammer Trenching Sediment SMS 3/14

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 5/3/4

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 Sky Mupel

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

Matrix (circle one): Soil Sediment (Water)

Start Depth ~~SMOSHH~~

End Depth

Depth Units (circle one): Inches Feet ~~SMOSHH~~

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
				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 WATER LOT # 53270

NA – Not Applicable

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Shyam Mysore

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

Matrix (circle one): Soil Sediment (Water)

Start Depth ~~SUBSURFACE~~

End Depth

Depth Units (circle one): Inches Feet ~~SUBSURFACE~~

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

SM05HH

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 Shyp Myers

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

Matrix (circle one): Soil Sediment (Water)

Start Depth _____ SMS 5/21/14

End Depth _____ SMS 5/21/14

Depth Units (circle one): Inches Feet SMS 5/21/14

Check if Composite ☐

Collection Method (circle one): DPT Slide Hammer Hand Auger/Slide Hammer Trenching Sediment SMS 5/21/14

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
SMS 5/21/14	~~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

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 # 54036

NA – Not Applicable

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature] 05/22/2014

Sample ID EB2 - 0522 2014 Date/Time 05/22/2014 15:30

Matrix (circle one): Soil Sediment (Water)

Start Depth ~~WT 05/22/2014~~

End Depth

Depth Units (circle one): Inches ~~WT 05/22/2014~~ 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)	
		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 607 # 54036

NA – Not Applicable

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible] 05222014

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

Matrix (circle one): Soil Sediment (Water)

Start Depth _____ [illegible] 05222014

End Depth _____

Depth Units (circle one): Inches Feet [illegible] 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	X
		EPA 6020	X
		EPA 7471 (Soil)	X [illegible] 05222014
		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	
	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	
	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

WET DESCRIPTION

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 Shep Mupel

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

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

Start Depth ~~NA~~

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 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	

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/CL

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 Steve Mupel

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

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

Start Depth ~~Inches~~ End Depth ~~Inches~~

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

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 Rupel

Sample ID EB2-061214 Date/Time 06/12/2014 1530

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

Start Depth _____ End Depth _____ (Not applicable)

Depth Units (circle one): Inches, Feet (Not applicable)

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

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 [illegible]

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

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

Start Depth Start 1814

End Depth

Depth Units (circle one): Inches, Feet

Start 1814

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

SM 01814

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

NA – Not Applicable

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.: #1735	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	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") 0.2-0.3ppm
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	FDG2-SL 874-SA5A SB-4.0-5.0MS	0915	SC	same as above in sampled zone
5		0.3	12/84	FDG2-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	FDG2-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	10/72			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	10:15		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 [illegible]

Sample ID FDG2-SL-874-5A5A-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

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

Additional Comments _____

NA – Not Applicable

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

Sample ID FDG2-SL-874-SA5A-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	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 [signature] PG Registration # 77735

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
				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 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 [signature] **PG Registration #** 7735

Additional Comments _____

NA – Not Applicable

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

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 [signature] **PG Registration #** 7735

Additional Comments _____

NA – Not Applicable

Location ID:	Subarea:	Date Started:	Date Completed:
DG-875	5A	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. #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	0845		
						MS	
3		25.2	12/78	FDG2-SL-1175-SA5A-SB-2.0-3.0	0850		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 [signature]

Sample ID FD62-SL-875-SA5A-SB-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 (2) 16oz 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	
	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 [signature] **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)4oz 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~~ 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 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

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

Sample ID FDG2-SL-1175-SA5A-SB-2.0-3.0 Date/Time 06/16/2014 / 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: DG-876	Subarea: 5A	Date Started: 06/16/2014	Date Completed: 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. #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-876-5A5A-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-876-5A5A-SB-4.0-5.0	0945		Fe Stain
							Refusal @ 4.5' End of boring
5		0.1	13/55				
6							

Fence 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

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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 06/6/2014 / 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	

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 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 55 sleeves due to noise restrictions for nesting birds

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

Sample ID FDG2-SL-876-SA5A-SB-4.0-5.0 Date/Time 06/16/2014 / 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 MONKLS

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	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 [signature] **PG Registration #** 7735

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

NA – Not Applicable

Location ID:	Subarea:	Date Started:	Date Completed:
DG - 877	5A	06/16/2014	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. Norris

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	15/64	FDG2-SL-877-5A5A-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-877-5A5A-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

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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	

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

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

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

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
				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) Fem 6/11/14

Other _____

Is Staining Present Yes (No)

Color 10 YR 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 _____

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

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	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 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 [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-~~SA~~5B-5B-0.0-0.5	5/7/14 12:29	SP	silty SAND, med. brn. (7.5YR4/2), trace roots (gross) 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' (7.5YR 3.3)
2	0.3/1.0		12/102	SL-5B-DG 798-5B 2.0-3.0	5/7/14 13:25	ML	SILT some clay, mottled, yellow brn., oxidized, trace of hornite, weatherd "bedding" observed oxidized color (7.5YR 7/6), dry (concretions) slt. moist
3							Refusal @ 2.3' weathered sandstone, w/ relectic 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

Page___of ___

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Shyf Mupel

Sample ID FDG-SL-~~SB-DG-798-SB~~-798-SA5B-SB-0.0-0.5 SM050714

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

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

Start Depth 0.0

End Depth 0.5

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

Check if Composite ☐

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

QC Type (circle one): N (circled) 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 / 6020 A	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~~ FDW 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 SM

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 #** 7755

Additional Comments _____

NA – Not Applicable

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

Client: DOE	Project Name/#: ~~SSFL-66268-63376.1203.002.223.02231.SSPH3~~ PB	Total Depth: 19.8'
Company Name: CDM SMITH	Drill Contractor/Driller: Stongarm	
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.: #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							

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	5B	05/13/2014	05/13/2014
Project: SSFL		Geologist: F. Marrs	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, lense, 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-SA5B-SB-15.0-16.0	1100		
16	4.0/3.9		12/66			CL	Silty CLAY, dk. reddish brn. (5YR 3/2), very stiff to hard, dry, (Fill?)
						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-SA5B-SB-19.0-20.0	1120		
20			12/72				Refusal @ 19.8' - Sandstone in cutting shoe

CDM Smith

BORING LOG AND SAMPLING RECORD

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SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Whitney Treadway

Sample ID FDG-SL-836-SA5B-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
				OH	Organic SILT or CLAY with moderate to high plasticity
HIGHLY ORGANIC SOILS				PT	PEAT soils with high organic contents

upper 6"

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

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: DG-837	Subarea: 5B	Date Started: 05/13/2014	Date Completed: 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 #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/	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	4.0/4.0	0.2	12/78 /			SP	poorly ~~sorted~~ graded SAND, 4.0 to 4.2', lt. brn. (2.5Y 6/3)
						SC	clayey SAND, mottled, black to reddish brn. (5YR 5/3), iron stain and MNO2(?). (Fill ?)
5			12/54				
6			12/60				
7			12/72				
8	4.0/4.0	0.1	12/70			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				
						SP	weathered sandstone, well-sorted/poorly graded med. to fine grain, pale brn. (2.5Y 7/4
12	2.5/2.5		12/84				Refusal @ 12.3' weathered sandstone

CDM Smith

BORING LOG AND SAMPLING RECORD

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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: 7.6', 7.7', 7.2'

Company Name: CDM SMITH — Drill Contractor/Driller: SAFS

GPS collected? Yes or No — Drill Method: DPT — Depth Drilled into Bedrock: NA

Radiological Background: 0.0 01/13/14 14/66 — Borehole diameter: 2.25" — Sampling Method: DPT

PID Background: 0.0 — Depth to GW: NA

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
		0.0	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)
	3.7 3/4.0	0.0	9/84				
	4	0.0	9/90	SL-1138-SASB-SB-4.0-5.0	1340	ML	~~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)
	5	0.0	9/54	SL-838-SASB-SB-4.0-5.0MS	1410		
	6 4.8/4.0	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

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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 ~~2~~ 16oz jars

6 ~~2~~ encore samplers

CC 1/13/13

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 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

11/15/11

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 [signature] **PG Registration #** 7735

Additional Comments None

NA – Not Applicable

Location ID: DG-839	Subarea: SA5B	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.: #7735	Geologist: C. Cox

Depth (feet) bgs	Recovery (feet)	PID (ppm)	Radiological (µR/cpm)	Sample Name	Sample Time	USCS	Description of Materials
		0.0	14/48	SL-839-SA5B-SB-0.0-0.5	0900	SM	SILTY SAND: Dark yellowish brown (10YR 4/4); 70% sand, pg, f-m; 30% silt, low plasticity; t ss formation, ~~clasts @ 0-0.8'~~, 01/14/14 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 (10YR 3/3); 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 (10YR 4/4); 80% sand, pg, f-m, mostly f; 20% silt, low plasticity; ~~moist~~ 01/14/14 dry to moist (FILL), no odor
5		0.0	13/88	SL-839-SA5B-SB-4.0-5.0MS	~~0910~~ 1001 0915	ML	SANDY SILT: dark yellowish brown (10YR 4/4); 65% silt, low plasticity; 35% sand, pg, f; t gravel (SS Formation) sa-sr, max ϕ = 1.0", ~~f-c~~ 01/14/14 at 5.6', dry to moist, no odor, (FILL)
6	2.4/4.0	0.0	13/73			ML	SANDY SILT: very dark grayish brown (10YR 3/2) 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 (10YR 5/4); 75% sand, pg, f-m, mostly f; 25% silt, low plasticity; t gravel (siltstone), ~~f~~ 01/14/14 sa-sr, max ϕ = 0.75" at 8.8', dry to moist, no odor (FILL)
8		0.0	13/70				
9	3.0/4.0	0.0	13/45	SL-839-SA-SB-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: DG-839	Subarea: SA5B	Date Started: 01/14/14	Date Completed: 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	01/14/14 2.0 / 4.0	0.0	13/75			SM	~~SILTY SAND WITH GRAVEL~~ 01/17/14: 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; t igneous clasts, mottled color; dry to moist; no odor (FILL)
13	2.0 / 4.0	0.0	13/55			SM	SILTY SAND ~~WITH GRAVEL~~ 01/17/14: 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	0.0	13/100				
16	4.0	0.0	13/79	SL-839-SA5B-SB-15.5-16.5	1630		
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~~ cc 1/14/13 C. Cox

Sampler ~~C. Cox~~ cc 1/14/14 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	

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 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

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By R. Alexander

Sample ID ~~SL-839-SA5B-SB-0~~ 1/14/15
SL-839-SA5B-SB-4.0-5.0 MS

Date/Time 01/14/14 0915

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

Start Depth 4.0

End Depth 5.0

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

Check if Composite ☐

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

QC Type (circle one): N (circled) 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
				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 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

1/14/14

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 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 (%) 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 [signature] **PG Registration #** 7735

Additional Comments None

[signature] 11/14/14

NA – Not Applicable

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

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 [signature] **PG Registration #** 7735

Additional Comments None

NA – Not Applicable

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

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

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	

2-16 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
				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		Drill Method: DPT	Depth Drilled into Bedrock: NA
Radiological Background: ~~15/45~~ 14/15 (01/13/14)		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/cm)	Sample Name	Sample Time	USCS	Description of Materials
		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; ~~dry~~ (01/13/14) t gravel (siltstone), f-c, max Ø = 2.0" dry to moist, no odor (FILL)
	1	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~~ (01/13/14)), dry to moist, no odor (FILL)
	5	0.0	9/54			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)
	6	0.0	9/30				
	7	0.0	9/60			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 at 7.0', color change to greenish gray (GLEY2 6/10GB) at 7.6', no odor (FILL)
				SL-840-SA5B-SB-7.0-8.0	1045		
	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

Page___of ___

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Steff 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 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 4/4)

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 #** 7235

Additional Comments None

ed 11/13/14

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
				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) ce 1/13/14 N/A

(Other) ~~SS formation~~ ce 1/13/14 ~~Asphalt~~ ce 1/13/14

Is Staining Present Yes (No)

Color Dark Brown (10YR 4/3) ce 1/13/14

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

ce 1/13/14

NA – Not Applicable

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

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 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
				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)~~ SM113/14

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)~~ 1/13/13

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 [signature] **PG Registration #** 7735

Additional Comments None

1/13/14

NA – Not Applicable

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

Client: DOE	Project Name/#: ~~SSFL-65250-63370.1203.002.223.02231.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 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	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				
8	2.0/2.0		12/72			SP	gravelly SAND, lt. brn. (7.5YR 6/4), w/ silt, dry (Fill ?) @ 7.3' to 9.0'
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

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SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Whitney Treadway

Sample ID FDG-SL-841-SB5B-0.0-0.5 (A, SB-, F 5/14/14, F 5/14/14) Date/Time 05142014/0900

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 (F 5/14/14) 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 [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-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 [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: ~~0514~~ 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.: #7735	Geologist: F. Morris

Depth (feet) bgs	Recovery (feet)	PID (ppm)	Radiological (µR/cm)	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-4.0-5.0	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
				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) 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	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 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-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: S&FS	
GPS collected? Yes or No		Drill Method: DPT	Depth Drilled into Bedrock: NA
Radiological Background: ~~14/87~~ 01/14/14 13/90		Borehole diameter: 2.25"	
PID Background: ~~0.3~~ 01/14/14 0.0		Depth to GW: NA	Sampling Method: DPT
Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake		PG Review & No.: [signature] #7735	Geologist: C. Cox

Depth (feet) bgs	Recovery (feet)	PID (ppm)	Radiological (µR/cpm)	Sample Name	Sample Time	USCS	Description of Materials
		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 2.0" @ 2.5'
1		0.0	13/70				
2	36/4.0	0.0	13/~~77~~			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	13/52	SL-843-SASB-SB-4.0-5.0	1330	01/14/14 ~~CLAY(L) SILTY SAND~~ 01/14/14 SM ML	01/14/14 Sandy SILT ~~CLAY(L) SILTY SAND~~: 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			01/14/14 ~~SILTY SAND~~ 01/14/14 SM ML	~~SILTY SAND~~ SANDY SILT WITH CLAY: Dark brown (10YR 3/3); 50% sand, ~~40%~~ pg, f; 40% silt, low plasticity; 10% clay, med stiff; t red brick clasts; mottled color; dry to moist, no odor (FILL)
6	40/4.0	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, ~~dry~~ 01/14/14 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

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 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 #** 77355

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-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
				OH	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 very dark brown (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 [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: DG-511	Subarea: 5C	Date Started: 05/08/2014	Date Completed: 05/08/2014
Client: DOE	Project Name/#: ~~SSFL-65258-63376.4203.002.223.02231.SSPH3~~ PB		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.: [signature] #7735		Geologist: F. MORRIS

Depth (feet) bgs	Recovery (feet)	PID (ppm)	Radiological (µR/cpm)	Sample Name	Sample Time	USCS	Description of Materials
0		0.0	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
2		0.0	13/70				Same as above (trace of clay and $CaCO_3$ fragments, white) @ 1.5 to 2.0
						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	FDG-SL-511-SA-SC SB-2.0-3.0			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

Page___of___

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~~
	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	

Fem 5/8/14

	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	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 [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:
SC-DG-748	5C	05/12/2014	05/12/2014

FW 5/12/14

Client: DOE	Project Name/#: ~~SSFL-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-SA5C-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	2nd 2.5 to 4.0	0.0	14/84	FDG-SL-748-SA5C-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

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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 05/22/2014 / 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
				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 7.5 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 [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 05/22/014 / 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	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 [signature] **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/#: ~~SSFL-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.: [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	17/82	FDG-SL-749-SA5C-SB-0.0-0.5-MS	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		0.0	15/84	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' SAND, fine to med. grained, loose, reddish yellow (7.5YR 6/8), trace of charcoal chips
2		0.0	15/84				Refusal @ 2.5' w/ hand auger
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	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-~~798~~ 749 EM 5/8/14-SA5C-SB-0.0-0.5 MS Date/Time 05082014/ ~~1400~~ 1330 EM 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

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 [signature] PG Registration # 7735

Additional Comments

Fe + MnO2 staining. No need to collect extra VOCs + 1,4-dioxane.

SM050814

NA – Not Applicable

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By W. Treadway 5/8/14

Sample ID FDG-SL-~~1098~~ 1049 FM 5/8/14 -SA5C-SB-0.0-0.5 Date/Time 05082014/ ~~1330~~ 1400 FM 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 FM 5/8/14 -SA5C-SB-0.0-0.5MS

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 #** 77335

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/#: ~~SSFL-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" 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] #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 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				
							dense @ 1.8'
2			12/66			SP	SAND w/ silt, loose to med., very fine grained, very pale brn. (10YR 7/3), few gravels, dry (Fill?)
3			12/72				
4	4.0/4.0	0.1	12/78				
5			12/65			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?)
6			12/72				
7			12/70				
8	4.0/4.0		12/102			SP	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	0.1		12/139				
10							

EOB 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

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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 Date/Time 05132014/0920

Matrix (circle one): (Soil) Sediment Water

Start Depth ~~0.0~~ 15.0

End Depth ~~0.5~~ 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	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) — MF 5/13/14
2. Percentage Fill (%) 95% but not in sample
3. Fill Description (circle all that apply)

(Asphalt) — SM 5/13/14	Metal	Plastic
Concrete	(Wood) — SM 5/13/14	Glass
Igneous/Metamorphic Gravel — SM 5/13/14		N/A
Other ~~Sandstone clasts~~ SM 5/13/14		

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 [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-65256-03376.1203.002.223.02231.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-0.0-0.5	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				
4	4.0/4.0	0.0	10/66	FDG-SL 757-SA5C SB-4.0-5.0	1150	ML	SILT w/ sand, red to yellowish brn. (10YR 5/8) iron stain blebs, and trace of roots, and clay pockets, dry. (FILL ?) 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

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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

FMM 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 05/14/2014 / 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
				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 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 [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 05/14/2014 / 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
				OH	Organic SILT or CLAY with moderate to high plasticity
HIGHLY ORGANIC SOILS				PT	PEAT soils with high organic contents

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: DG-584	Subarea: 5D	Date Started: 05/21/2014	Date Completed: 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" Φ		
PID Background: 0.0	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	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				
						ML	SILT w/ sand, strong brown (7.5YR 5/6), little clay, trace gravel, (native ?), dry
2		0.0	11/65				
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-SASD-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	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

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 [signature] **PG Registration #** 7735

Additional Comments Sample taken in weathered sandstone

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By _____

Sample ID FDG2-SL-584-SA5D-58-0.0-0.5 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

FW 5/21/14

Fill Material

1. Is Fill Material Present (Yes) (No) FW 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~~ FW 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 Mike Hoffman **PG Registration #** 7735

Additional Comments _____

NA – Not Applicable

Location ID: DG-585	Subarea: SD	Date Started: 05/21/2014	Date Completed: 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 MS	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	FDG2-SL 885-SA5D SB-0.0-0.5	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	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							

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 Randeen Mills

Sample ID FDG2-SL-585-SA5D-SB-0.0-0.5 MS Date/Time 05212014 / 0906

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

Start Depth 0.0

End Depth 0.5

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

Check if Composite ☐

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

QC Type (circle one): N (circled) 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 [signature] **PG Registration #** 7735

Additional Comments _____

NA – Not Applicable

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

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-0.0-0.5 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	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 [signature] **PG Registration #** 7735

Additional Comments _____

NA – Not Applicable

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Rump

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
				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

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 [signature] **PG Registration #** 7735

Additional Comments _____

NA – Not Applicable

Location ID: DG-586	Subarea: 5D	Date Started: 05/21/14	Date Completed: 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 SILTY SW	SAND w/ gravel, some silt very pale brn. (10YR 7/4) silt increases to near 50% (Mix), (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

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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 FDG2-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
				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

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 [signature] **PG Registration #** 7735

Additional Comments _____

NA – Not Applicable

Location ID: DG-612	Subarea: 5D5	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

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SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Roberts

Sample ID FDG2-SL-612-SA5D~~S~~ SM61014 -SB-0.0-0.5 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 6/10/14

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 [signature] **PG Registration #** 7735

Additional Comments _____

NA – Not Applicable

Location ID: DG-613	Subarea: 5D	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: 12/58		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: [illegible] #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	13/95	FDG2-SL-613-SA5D-SB-0.0-0.5	1325	SM	silty SAND, concretionary structure, med. dense, dk. grayish brown (10YR 4/2), roots, trace charcoal
							End of boring @ 0.5'
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

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SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

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 [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.: Nate 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-SA5D-SB-0.0-0.5	1246	SM	Silty SAND, v.fg., 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

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SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

Sample ID FDG2-SL-614-SA5D-SB-0.0-0.5 Date/Time 06/02/2014/1245

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 [signature] **PG Registration #** 7735

Additional Comments _____

NA – Not Applicable

Location ID:	Subarea:	Date Started:	Date Completed:
DG-691	6	6/6/14	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:
Radiological Background: 13 μR/70 cpm	Borehole diameter:	0
PID Background: 0.0 ppm	Depth to GW: not encountered	Sampling Method: Slide Hammer
Radiological Equipment Used:	PG Review & No.	
✓ MicroR ✓ Alpha/Beta ✓ Pancake	Millie Hoffman #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 0.0	13/87 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. sa-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

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SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

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 _____

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: Ø
Radiological Background: ~~16~~ 14 μR/~~90~~ 51 cpm (SM 6/6/14)	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 Review & No: [signature] #7735		Geologist: Sandy Do

Depth (feet) bgs	Recovery (feet)	PID (ppm)	Radiological (μR/cpm)	Sample Name	Sample Time	USCS	Description of Materials
		0.0	16/90	FDG2-SL-692-SA6-SB-0.0-0.5	1140	ML	SM 6/7/14 SILT ~~with sand~~: M. firm, Dark brown (10YR 3/3), 90% silt, nonplastic, 10% sand, v.f-to f. gr sr, micaceous, 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

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SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

Sample ID FDG2-SL-692-SA6-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:	Subarea:	Date Started:	Date Completed:
DG-693	6	6/6/14	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: Ø
Radiological Background: 15μR/70cpm	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
1 2 3		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.

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 [illegible]

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 7.5 YR 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 _____

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.: Mike [illegible] #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
							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 FDG2-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 [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/SS sleeve		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: [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	0.4	17/96	FDG2-SL-695-SA6-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

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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 [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.: [signature] #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	FDG2-SL 623-SA8 SB-0.0-0.5	1314	SM	silty SAND, trace of gravel, brown (7.5YR 5/4), 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	11/76				
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	FDG2-SL 623-SA8 SB-4.0-5.0	1321	SM	SILTY SAND ~~SAND w/ SILT~~ 5/21/14 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	FDG2-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:	Subarea:	Date Started:	Date Completed:
DG-623	8	05/21/2014	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 ~~(25R~~ 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	9/66				
17		0.1	10/96				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 Randell Roberts

Sample ID FDG2-SL-623-SA8-SB-0.0-0.5 Date/Time 05/2/2014 / 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 [signature] **PG Registration #** 7735

Additional Comments _____

NA – Not Applicable

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Camden Russo

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
				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) ? FM

2. Percentage Fill (%) NA (?)

3. Fill Description (circle all that apply) FM, SL, TH

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 [signature] **PG Registration #** 7735

Additional Comments

NA – Not Applicable

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Rump

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 [signature] **PG Registration #** 7735

Additional Comments _____

NA – Not Applicable

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

Sample ID FDG2-SL-623-SA8-SB-14.0-15.0 Date/Time 05/2/2014 / 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 5/6

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 Rennie

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	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 7.5 YR 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 _____

NA – Not Applicable

Location ID:	Subarea:	Date Started:	Date Completed:
DG-624	8	6/5/14	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.: #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	0.3	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 [signature]

Sample ID FDG2-SL-624-SA8~~N~~ SM6S4 -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 _____

NA – Not Applicable

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: Ø
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.: [illegible] #7735		Geologist: Sandy Do

Depth (feet) bgs	Recovery (feet)	PID (ppm)	Radiological (µR/cpm)	Sample Name	Sample Time	USCS	Description of Materials
		0.3	16/75	FDG2-SL-625-SA8N-SB-0.0-0.5	1355	ML ~~SM~~ SM/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

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SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

Sample ID FDG2-SL-625-SA8N-SB-0.0-0.5 (SA6S14) **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 _____ **PG Registration #** 2735

Additional Comments _____

NA – Not Applicable

Location ID:	Subarea:	Date Started:	Date Completed:
DG-626	8N	6/6/14	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: Ø
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: Nick Hefferson #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	15/~~100~~ 81	FDG2-SL-626-SA8N-SB-0.0-0.5	0745	ML	Sandy SILT: M. ~~stiff~~ 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
	1/1			FDG2-SL-626-SA8N-SB-4.0-5.0	0820		
5		0.1	15/107			ML	SILT W/ SAND 4.8': ~~Sandy SILT~~: 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 ft. Refusal at bedrock.
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

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

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SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

Sample ID FDG2-SL-626-SA8~~N~~ SMWQ14-SB-0.0-0.5 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 [signature]

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" Ø		
PID Background: 0.0 ppm	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/cm)	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~~ sm6914, >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), roots hairs, white calcium(?) caliche blebs/concretions, dry
6							Composite from Hand Auger
7		0.2	11/76			SC/ML/SM	SANDY SILT sm6914 ~~SILT and v.fg. SAND~~ w/ clay (same as above with silt ≥50%) less caliche than the 5'-7.5' interval, dry sm6914
9	0.5/0.5			FD62-SL 628-SA8 SB-9.0-10.0	0852		
10	0.5/0.5	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 I (µR/cpm)	Sample Name	Sample Time	USCS	Description of Materials
10		0.6	11/81		SM6914	SP/SM	SILTY SAND SM6914 ~~SAND, v.fg w/ silt (≤30%)~~, red (2.5YR5/6), iron staining, trace of root hairs
11							Composite
12		0.7	11/66		SM6914	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 11A 1602	0.8	11/74	~~FD52-SL~~ 628-SA8 SB-14.0-15.0	0920		
15							
16							
17							
18							
19							
20							

CDM Smith

BORING LOG AND SAMPLING RECORD

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SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Renclow Rivas

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
				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 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 _____

NA – Not Applicable

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Rempp

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	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 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 _____

NA – Not Applicable

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Roberts

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
				OH	Organic SILT or CLAY with moderate to high plasticity
HIGHLY ORGANIC SOILS				PT	PEAT soils with high organic contents

Jsm0914

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 [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-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)

See comments

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
				OH	Organic SILT or CLAY with moderate to high plasticity
HIGHLY ORGANIC SOILS				PT	PEAT soils with high organic contents

SM/6914

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 SS sleeve and one 16 oz. glass jar. The second attempt w/ SS sleeve was not successfull due to refusal/no recovery. Additional volume was collected in 16 oz jar from last hand auger retrieval.

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~~ w/ sand (~~lt 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

Page___of ___

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

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	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 [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.: Nikki 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	smg2314 silty SAND, w/ gravel, poorly-sorted, grayish-brown (10YR 5/2), trace roots, dry (FILL)
1		0.4	10/87				-same as above w/ slt. 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	smg2314		SP/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-7.0-7.0	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 [illegible]

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~~
	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	

FRW 6/10/14

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
				OH	Organic SILT or CLAY with moderate to high plasticity
HIGHLY ORGANIC SOILS				Pt	PEAT soils with high organic contents

SW 03/14

Fill Material

1. Is Fill Material Present (Yes) (No) — e FW 6/10/14
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 [signature] **PG Registration #** 7735

Additional Comments _____

NA – Not Applicable

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Dr Randall Ramos
FRM 6/14/14

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

Slag ash?

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? Calicho?

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 _____

NA – Not Applicable

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

Sample ID FDG2-SL-930-SA8-SB-4.0-5.0 Date/Time 06 10 2014 / 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	

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

Sh 6234

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 Randeen Reinhardt

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

Bimodal 3/4

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 — 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

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.: [signature] #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, dry. 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~~ 91	SB 6-5-14			3': Med. dense, Dark brown (10YR 3/3); silty SAND, 55% sand, 45% silt, fgr, moist, tr. red ferrous oxide stain, No clay.
4		0.2	13/90				4.2': Tr. clay. Same as above at 3'.
	SB 6-5-14 0.5/0.5			FDG2-SL-631-SA8-SB-4.5-5.0	0850	ML	4.8': Firm; Dark yellowish brown (10YR 4/4); Sandy SILT; 50% silt, 50% sand, f-m gr., moist.
5	4.8' 5'	0.5 0.3	13/79 13/69				5.4': Tr. f gravel. White clumps of calcium carbonate to 1/8 inch diameter ~~stain possibly bentonite from first sample event at boring location.~~ SB 6-5-14
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.
8							Total depth at 7.6'. Refusal depth.

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-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	

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 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 _____

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Rumsey

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: 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	0.1	14/115	FDG2-SL-632-SA8-SB-0.0-0.5	1050	SW/SM (SM)	SAND, v-fg 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

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SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

Sample ID FDG2-SL-632-SB-0.0-0.5 (SA8) Date/Time 06092014 / 1050

Fm 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 Sm6,23,4
				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 [signature] **PG Registration #** 7735

Additional Comments _____

NA – Not Applicable

Location ID:	Subarea:	Date Started:	Date Completed:
~~NBZ~~ DG-558	NBZ	06/09/2014	06/09/2014

FN 6/9/14

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: 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	18/112	FDG2-SL-558-NBZ-SB-0.0-0.5 MS	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				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

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SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

Sample ID FDG2-SL-558-NBZ-SB-0.0-0.5 MS 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	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

@ 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 [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-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 FDG2-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
		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

@ bedrock

surf. to 0.8'

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 10 YR 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 _____

NA – Not Applicable

Location ID:	Subarea:	Date Started:	Date Completed:
DG-559	NBZ	06/09/2014	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: #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	0.5	15/100	FD62-SL-559-NBZ-SB-0.0-0.5	0925	SP	SAND, lt. yellowish brown (10YR 6/4), well-sorted (med-to-fine grained) w/ broken pieces of weathered bedrock, dry. End of boring @ 0.5' refusal on bedrock
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

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SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

Sample ID FDG2-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	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 [signature] **PG Registration #** 7235

Additional Comments _____

NA – Not Applicable

Location ID: DG-560	Subarea: NBZ	Date Started: 06/11/2014	Date Completed: 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.: [signature] #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 06/14 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

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SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

Sample ID FDG-SL-560-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 [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.

NA – Not Applicable

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: F. Morris

Depth (feet) bgs	Recovery (feet)	PID (ppm)	Radiological (µR/cpm)	Sample Name	Sample Time	USCS	Description of Materials
0							
SH NA	0.5/0.5	0.6	20/106	FDG2-SL 561-NBZ SB-0.0-0.5	0925	~~SP~~ SW	SAND, med. grained, ~~well~~ poorly graded silt to cobbles gray/brn. (7.5YR 5/1), roots, bark, and leaf debris, ignneous/metamorphics, Refusal on cobbles @ 0.6' – could not auger through cobbles/boulders in contact
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

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SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Randall Roberts

Sample ID FDG2-SL-561-NBZ-SB-0.0-0.5 Date/Time 05232014/0925

Matrix (circle one): Soil, Sediment, Water — FM 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 — FM 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~~ STRONG H	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

← 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 [signature] **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.: [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	17/52	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 [illegible]

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 (Slide Hammer) correct Hand Auger/Slide Hammer Trenching Sediment Cutting Shovel

WT 6/12/14

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 WT161214	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 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 [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: NBZ	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.: Mike Hoffman #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-NBZ-SB-0.0-0.5	09:25	SW ↓	Well graded SAND, f. to c. gr., tr. gravel, subangular to rounded, Φ=1in., Olive brown (2.5YR 4/4), dry, in creek bed with large, rounded cobbles, Φ=1ft. 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

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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 [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. #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

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 [illegible]

Sample ID FDGZ-SL-S64-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	

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 6/3~~ WT 001014 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 [signature] PG Registration # 7735

Additional Comments 2 sleeves, 1 4 oz jar

Location ID:	Subarea:	Date Started:	Date Completed:
DG-565	NBZ	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: 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.: #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-~~2-00-05~~ SB-00-05	09:35	SM	Silty SAND, loose, v.f to l.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

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SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

Sample ID FDG-SL-565-NB2-~~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	✓
		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 [signature] **PG Registration #** 7735

Additional Comments 2 sleeves, 1 4oz jar, sample taken 3ft East of flag.

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 SM061014	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 Hoffman #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 ↓	loose, and v.f.gr. silty SAND, mostly f.gr., dark brown (10YR 3/3) 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

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SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

Sample ID FDG2-SL-566-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 [signature] **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	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: Slide Hammer / S.S. 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

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-~~568~~ 567-NBZ-SB-0.0-0.5 SIM01714 **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 [signature] #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: 18/72	Borehole diameter: 1.5" ϕ		
PID Background: 0.0 ppm	Depth to GW: NA		Sampling Method: Slide Hammer/Sleeve SS.
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	0.0	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

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SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

Sample ID FDG2-SL-568-NBZ-SB-0.0-0.5 Date/Time 06172014 / 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) 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

FY 6/17/14

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 _____

NA – Not Applicable

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.: #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	FDG2-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

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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 [signature] **PG Registration #** 7735

Additional Comments _____

NA – Not Applicable

Location ID: DG-570	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: 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.: Nick Hoffman #1755		Geologist: F. Morris

Depth (feet) bgs	Recovery (feet)	PID (ppm)	Radiological (μR/cm)	Sample Name	Sample Time	USCS	Description of Materials
0	0.5/0.5	0.2	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
1							End of boring @ 0.5'
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

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SSFL Phase 3 – Field Sample Data Sheet

DM Smith

FSDS Checked By Randall Roberts

Sample ID FDG2-SL-570-NBZ-SB-0.0-0.5 Date/Time 06/22/2014 / 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 [signature] **PG Registration #** #7735

Additional Comments _____

NA – Not Applicable

Location ID:	Subarea:	Date Started:	Date Completed:
DG-571	NBZ	06/11/2014	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: 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/cpm)	Sample Name	Sample Time	USCS	Description of Materials
0		0.0	17/87	FDG-SL-571-NBZ-SB-0.0-0.5	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.
1		0.0	17/117				Sample taken 6.8ft. down stream of original point because fallen tree blocked original pt.

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 [illegible]

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	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 [signature] **PG Registration #** 7735

Additional Comments 1 sleeve, sample taken 6.0 ft downstream because fallen tree blocked original point.

NA – Not Applicable

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. End of boring @ sample depth 0.5'
1							
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

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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 [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: 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: 17/96	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.: #7735	Geologist: F. Morris

Depth (feet) bgs	Recovery (feet)	PID (ppm)	Radiological (µR/cpm)	Sample Name	Sample Time	USCS	Description of Materials
0						SM	SILTY SAND w/GRAVEL
	0.5/0.5	0.2	19/103	FDG2-SL-573-NBZ-SB-0.0-0.5	0940	SM	~~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

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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

SW Sm 6314

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 _____

Location ID:	Subarea:	Date Started:	Date Completed:
DG-574	NBZ	06/18/2014	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: 16/67	Borehole diameter: 1.5" ϕ	
PID Background: 0.2 ppm	Depth to GW: NA	Sampling Method: Slide Hammer/SS Sleeves
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	0.1	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 cast

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 [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: [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	18/90	FDG2-SL-575-NBZ-SB-0.0-0.5'	0755	SM	Silty SAND, ~~med to~~ v.f.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 [illegible]

Sample ID FDG2-SL-575-NBZ-SB-0.0-0.5 Date/Time 06182014/0753

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 [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
0							SANDY SILT
		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, (7 strong brown (7.5YR 4/6) mod/dk
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							

wl 06/10/14

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

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SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

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 [signature] **PG Registration #** 7735

Additional Comments Sleeve.

NA – Not Applicable

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

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 [signature] WEB 6/10/14 **PG Registration #** 7235

Additional Comments ~~1 sleeve~~, 2 encores. refusal at 2.9 ft.
2 8 oz. 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 8 oz jars were used instead of sleeve
filled.

NA – Not Applicable

Location ID: DG-577	Subarea: NBZ	Date Started: 06/11/2014	Date Completed: 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.) Mike Hoffman #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 06/11/14 13:45	ML	SILT with Sand, 85% silt, 15% sand, v.f. to f.gr., dark yellowish brown (10YR 3/6), tr. gravel Φ = 1in., sandstone bedrock fragments. Refusal at 9in. on bedrock. (0.75ft)
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

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SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [signature]

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 [signature] **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" Ø	
PID Background: 0.0 ppm		Depth to GW: NA	Sampling Method: DPT- Macrocore
Radiological Equipment Used: ✓ MicroR ✓ Alpha/Beta ✓ Pancake		PG Review & No.: Mike Hagan #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				
		0.3	10/77				Refusal @ 2.5'
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

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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	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 _____ **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.: #7735	Geologist: F. Morris

Depth (feet) bgs	Recovery (feet)	PID (ppm)	Radiological (µR/cm)	Sample Name	Sample Time	USCS	Description of Materials
0	0.5/0.5 (FWR 5/22/14)	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				
4	4.0/4.0	0.0	10/65	FDG2-SL 581-NBZ SB-4.0-5.0	1320	SC	SAND w/ clay, some silt, dk. gray brown (10YR 4/2), grading to coarser gravelly clay, (FILL)
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	FD02-SL 581-NBZ SB-13.0-14.0	1341		
14		0.3	12/58				Refusal @ 14' bgs

CDM Smith

BORING LOG AND SAMPLING RECORD

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SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By Brandon Brown

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-SB-9.0-10.0 Date/Time 05222014 / 1330

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

Start Depth 9.0-

End Depth 10.0

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

Check if Composite ☐

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

QC Type (circle one): N (circled) 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
				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 (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 _____

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~~ 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: #7735		Geologist: W. Treadway

Depth (feet) bgs	Recovery (feet)	PID (ppm)	Radiological (µR/cpm)	Sample Name	Sample Time	USCS	Description of Materials
0		0.2	15/93	FDG2-SL-582-NBZ-SB-0.0-0.5	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

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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 06/13/2014 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
				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 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 [signature] **PG Registration #** 7735

Additional Comments 1 sleeve

NA – Not Applicable

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

Sample ID FDG2-SL-592-NBZ-SB-3.0-3.5 ~~FDG2S~~ WT061314

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 [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: [illegible] #TDS		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-NBZ-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

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-SB~~7~~3-NB7-SB-0.0-0.5 Date/Time 06/12/2014 13:25

SM 6/12/14

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 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 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.: #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	wellgraded 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

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-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	

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 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 [signature] **PG Registration #** 7735

Additional Comments 1 sieve

Location ID: DG-585	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: 14/60		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. Treaduay

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

Page___of___

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

Sample ID FDG2-SL-585-MBZ-SB-0.0-0.5 Date/Time 6/13/2014 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 [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

Page___of ___

SSFL Phase 3 – Field Sample Data Sheet

CDM Smith

FSDS Checked By [illegible]

Sample ID FDG2-SL-586-NBZ-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
		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 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)

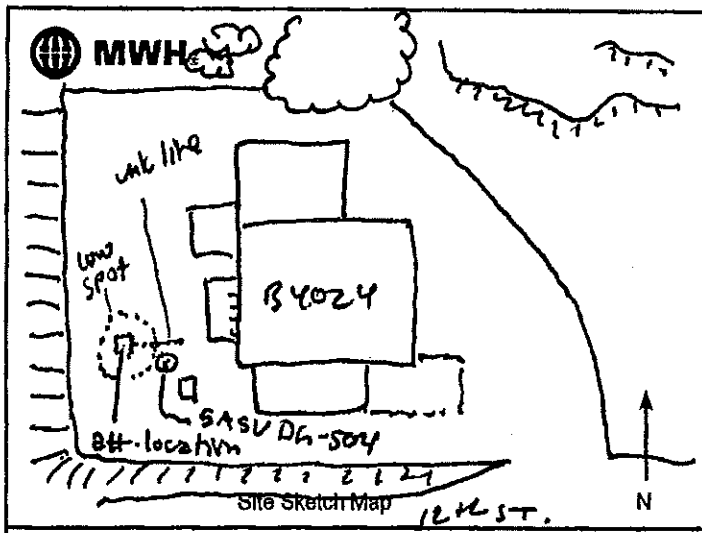
(Dry) Moist Wet

PG Signature [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 #: 10503892.305.0106	Site: SA B4024 (W)
Logged By: RWBeeus	Reviewed By:
Drilling Contractor: EST	Drillers Name: Mark Kilhullen
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 Vapor ID: SASV DG-504	Soil Boring Backfill Time/Date: N/A
Soil Vapor Well Completion Time/Date: 05 JUN 14, 11:06 -	Backfill Material: N/A
Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 10.0-11.0, 15.0-16.0, 20.0-21.0	Observations: ☐ Debris ☐ Staining ☐ Odors ☒ ~~Groundwater~~ perched water ☐ None
Soil Vapor Well Detail Completed (yes/no) attached 25.0-26.0	Surface Completion: SV 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

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Surface Description:	Gravel	Estimated % of Sand Coarse	Medium	Fine	Silt/clay
0.0 ppm		45"				0		4" asphalt 0.0-0.35'					
						1		0.35-17.3					
								poorly sorted sand with silt	TR	10	15	55	20
						2		(SP-SM). dark yellowish brown					
								(10YR 4/6), moist, loose, Predominant					
						3	SP	fine sand (55), little silt (20),					
							SM	little med sand (15), few coarse					
						4		(10) w/ trace gravels. Coarse					
0.0 ppm		46"						fraction consists mostly of sand					
						5		stone grains w/ oxidation					
								molds. Several sandstone clasts					
						6		up to 2" throughout, angular					
								to subangular and weathered.					
						7		Occasional small (~1") lens					
								of SM (silty sand). No stain					
						8		or odor. Fill material.					
0.0 ppm		46"											
						9							

QA/QC
Surficial media boring log rev 2-25-2014

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 (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
						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					
								24.5 - 30.0			15		
0.0 ppm		48"				16		Poorly sorted sand w/ silt (SP-SM)	–	TR	TR	60	25
						17		Dark yellow 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 native~~					
								~~soil~~. Wood fragments @ ~~28.8'~~					
						20		bgs, 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 caved 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, ~10'					
0.0 ppm		24"						west of primary location to target					
						29		low spot and geophysical anomaly					
								in pavement, cut/patched asphalt.					

TD = 30'

QA/QC
Surficial media boring log rev 2-25-2014

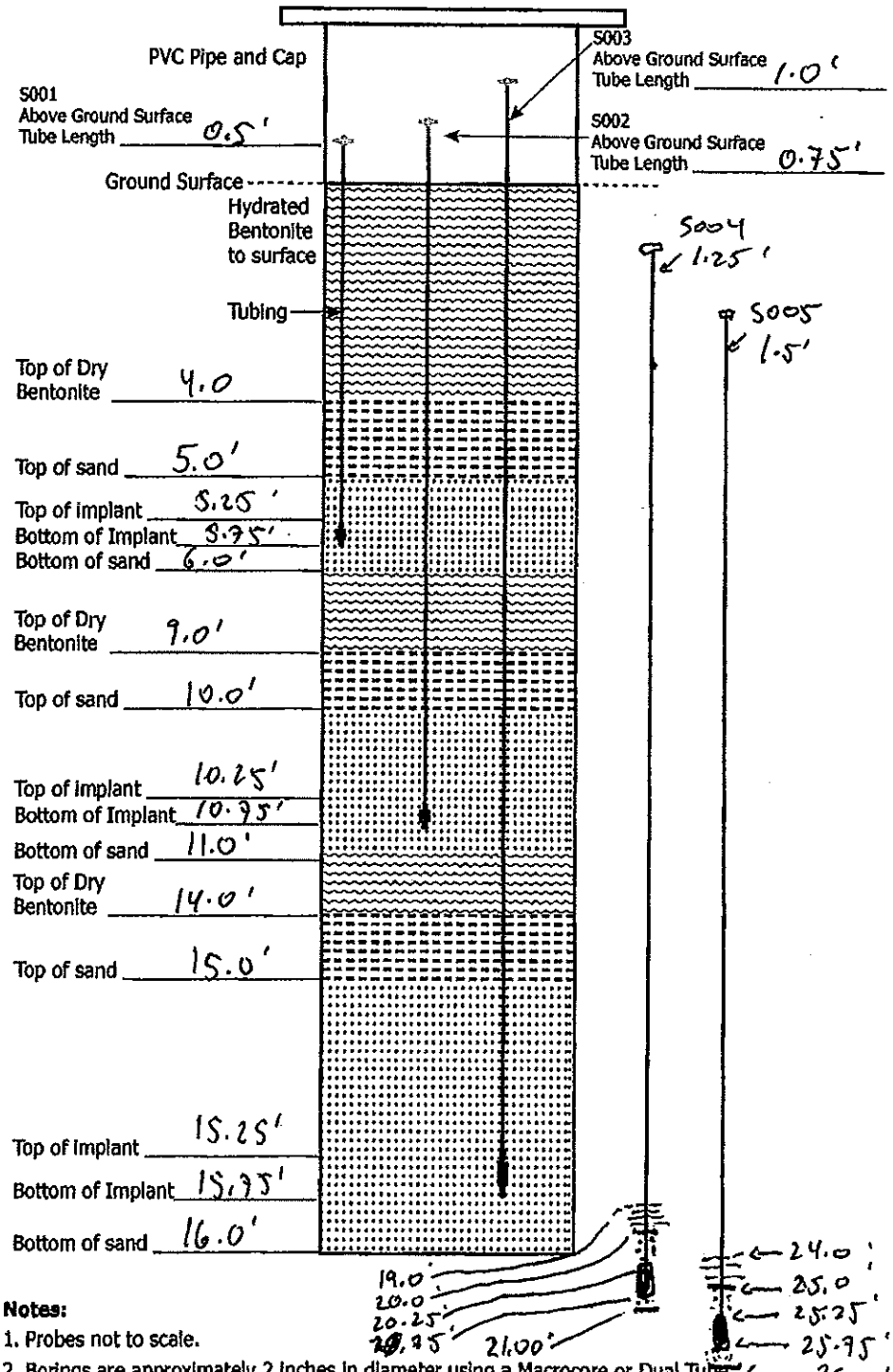
MWH

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 HILLHOUSEN
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

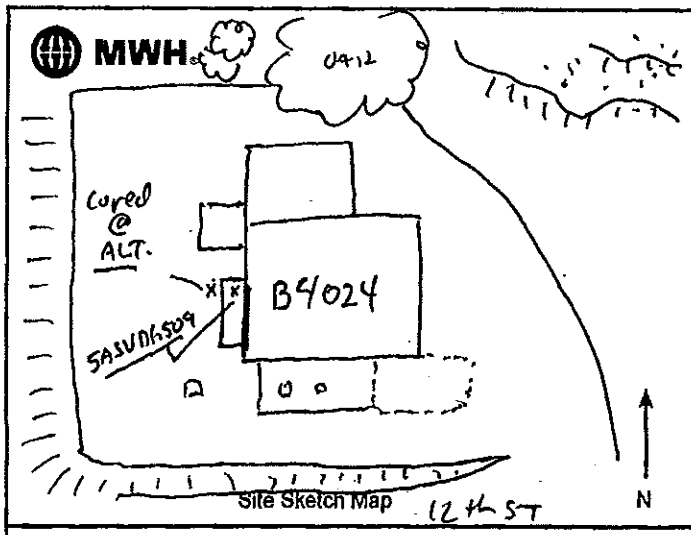
Type: #8 crumbles
Manufacturer: Cetco

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 #: 10103892.3050106	Site: SA B4024 (W)
Logged By: RMB Ellis	Reviewed By:
Drilling Contractor: EST	Drillers Name: Marty Hammer
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 05 JUN 14	Drill Finish Time/Date: 12:50 05 JUN 14
Soil Vapor ID: SASV DG-509	Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 05 JUN 14 ; 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 (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	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.3 ppm		40"				0		4" asphalt 0.0-0.35'					
						1		0.35' - 26.8					
								Poorly sorted sand with silt	—	5	10	60	25
						2		(SP-SM), dark yellowish brown					
								(10YR 4/6), moist, loose. Mostly					
						3		fine sand (60), little silt (25),					
								few medium (10) and coarse (5)					
						4		sand. Some asphalt gravels at					
0.0 ppm		29"						the top few inches, and a small					
						5	SP	1.5" layer of pea gravel @ 2.5' bgs					
							SM	Rest of coarse fraction is sandstone					
						6		clasts ½" to 1", sporadic,					
								semi uniform through section,					
						7		oxide coads and proximal to					
								clasts. No stain, no odor					
						8		Fill material.					
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					

QA/QC
Surficial media boring log rev 2-25-2014

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					
						11		Poorly sorted sand (SP) ~~with silt (ML)~~	-	-	10	75	15
								Dark yellowish brown (10YR 4/6), mostly fine sand (75), little silt (15)					
0.5 ppm		41"				12		at few coarse sand (10). No stain, no odor. Possible native soil.					
						13							
						14		Interval is moist, loose, but becomes more wet at 27.5' bgs., Possible perched water from former basement feature of B4024.					
						15							
0.0 ppm		38"				16							
						17	SP	TD = 32.0' with refusal on hard sandstone. Sandstone is dark bluish gray (5BG 2 4/5B)					
						18	SM						
						19		• Boring cored to 31.0', water in hole to 27' bgs. First probe set to 25.5' center after #8 chips backfilled to 26.0' bgs. Dry after 20 minutes.					
0.0 ppm		29"				20							
						21							
						22		• Base 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"					SP						
						29							
						30							
						31.0		TD					

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

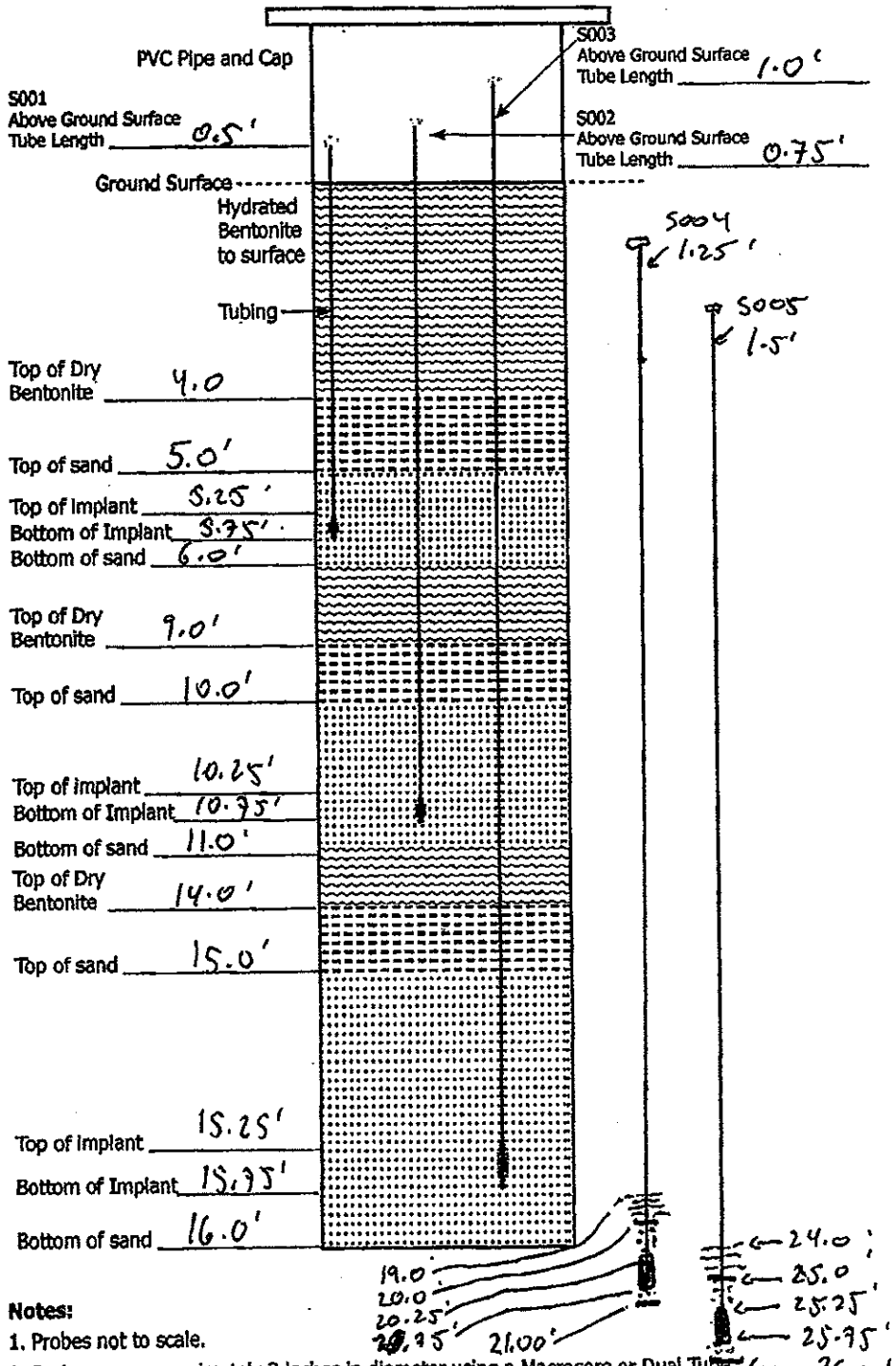
MWH

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV DG-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: 05 JU 15:



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

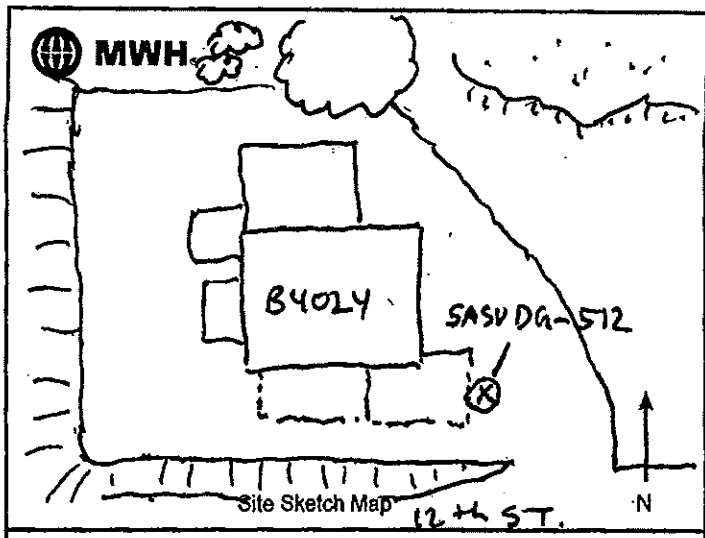
Dry Bentonite
Type: #8 crumbles
Manufacturer: Cetco

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: SASV DG-512	Sheet 1 of 1
Project: Phase 3 DOE SVDG 2014	
Job #: 10503982.3050106	Site: SA B4024
Logged By: RMBeers	Reviewed By:
Drilling Contractor: EST	Drillers Name: Monty Kilhullen
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 DG-512	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	Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.0 ppm		39"				0		4" asphalt 0.0-0.35					
						1	CL	~~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 (80), little fine sand (15), few coarse sand (5), TR gravel throughout (asphalt). No stain no odor, Fill material.	TR	5	–	15	80
						2							
						3	SP						
						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"~~ 1/2". Several clasts of sandstone all through out up to 2". No stain no odor. Fill material.	TR	10	10	70	10
						6							
						TD: 6.5							
						7							
						8							
						9							

TD = 6.5' bgs w/ refusal on sandstone bedrock.

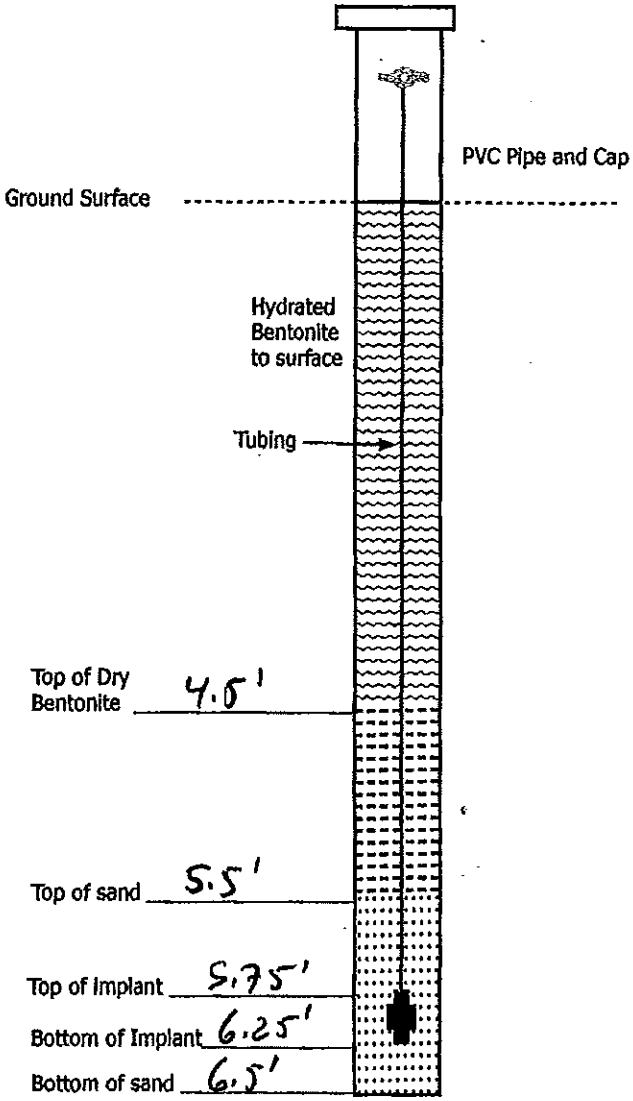
QA/QC

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: 5A
Reviewed by:
Logged by: Rob Ellis
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400
Driller: Mark Hullinger
Borehole TD: 6.5' bgs
Probe Completion Date/Time: 05 JUN 14 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

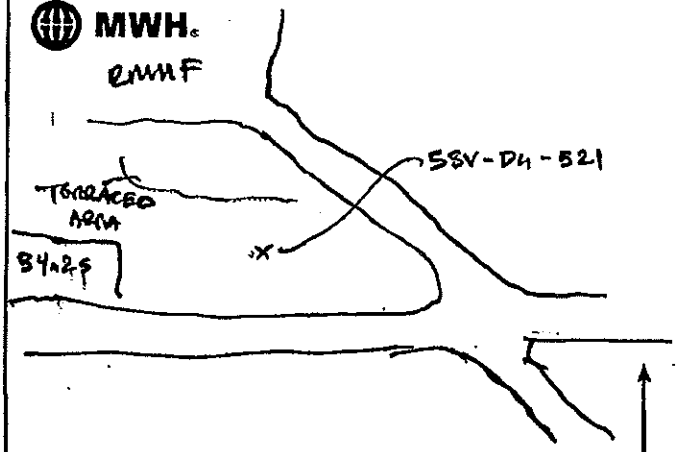
Dry Bentonite
Type: #8 crumbles
Manufacturer: Cetco

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 RAYNO	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: OXIDATION ☐ Debris ☑ Staining ☐ 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	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						0		Surface Description: GRASSES, MUSTARD, SANDS (SGRAVEL)					
						0		SILTY SAND (SM) DRY, (BROWN - 10YR 4/3), LOOSE TO MEDIUM DENSE, FINE SAND, TRACE MED. SAND, ROOTS, FILL MATERIAL	—	—	5	75	20
0.0		48"	—	N/A NONE	—	2							
						3	SP	SAND w/ GRAVEL @ 3.5-4.0, DRY, LOOSE, GRAYISH BROWN (10YR 5/2), FINE TO CS SAND, ~15% GRAVEL, SAND AND GRAVEL IS ANG TO SR; FILL; TRACE FINES.	15	10	30	30	5
						4	SP-SM		—	—	15	55	30
						5	SM	SILTY SAND (SM), MOIST, BROWN (10YR 4/3) TO LIGHT BROWN (10YR 6/4); MEDIUM DENSE, FINE TO MEDIUM SAND, SA TO SR, ~25-30% FINES					
0.0		48"	—	N/A NONE	—	6		STRONG BROWN (7.5YR 4/6) MOTTLING/OXIDATION, MICA, MATERIAL? TRACE PEBBLES (10YR 2/1); NO ODOR NATIVE/ALLUVIUM.					
						7							
						8	SP-SM	SAND w/ SILT (SP-SM), DRY TO MOIST, VERY PALE BROWN (10YR 7/4) w/ STRONG BROWN (7.5YR 5/6) OXIDATION (@ 8.5-9.25), FINE TO MEDIUM SAND, ~15% FINES; NATIVE ALLUVIUM; SA TO SR SAND.	—	—	15	70	15
0.0		7" ~~48"~~	—	N/A NONE	—	9							
						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 (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
0.0	X	3/0"	—	N/A (NONE)	—	10	SP	SAND (SP), DRY, LOOSE, VERY PALE BROWN (10YR 7/3), FINE TO MED SAND, TRACE FINES; SLIGHT TO SATURATED, NATIVE ALLUVIUM. WEATHERED SS PIECES ~ 1/4-1/8" DIA.					5
						11							
						2							
						3							
						4		TD = 11'					
						5		UNCONSOLIDATED REGOLITH / BEDROCK					
								DUAL NOST SV PROBE 5-6', 10-11'					
						6							
						7							
						8							
						9							
						0							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

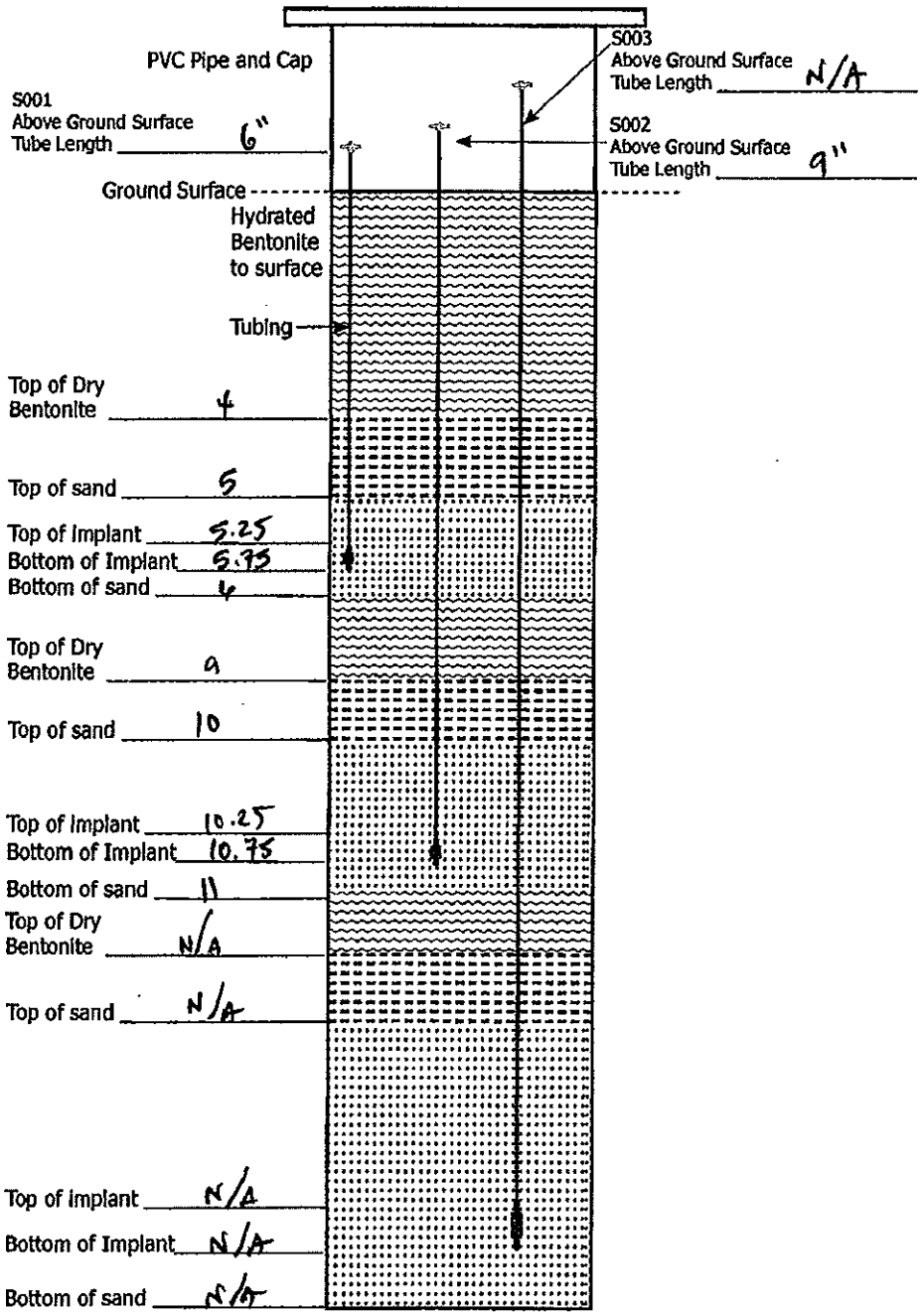
MWH

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SSV-DG-S21
Site: 9A
Drilling Contractor: EST
Borehole TD: 11'

Project: Phase 3 DOE Data Gap Sampling 2014
Logged by: ADAM PAINE
Driller: MARTIN KILLINGEN
Borehole Diameter: 2.25"

Job #: 10503982.3050105/10503982.3060105
Reviewed by:
Rig Type/Method: GEOPROBE 5400 / DP
Probe Completion Date/Time: 6/6/14 1000



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

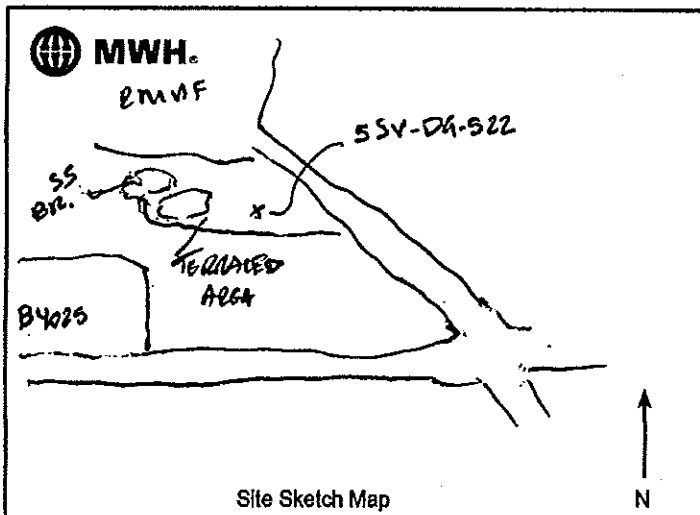
Type: #8
Manufacturer: CETCO

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-DG-522	Sheet 1 of 1
Project: Phase 3 DOE Data Gap Sampling 2014	
Job #: 10503982.3050106 / 10503982.3060106	Site: SA 5
Logged By: Andrew Romine	Reviewed By:
Drilling Contractor: EST	Drillers Name: Martin Kilhullen
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: Macrocore	
Drill Start Time/Date: 0815 6/6/14	Drill Finish Time/Date: 0830 6/6/14
Soil Vapor ID: SSV-DG-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 thatch

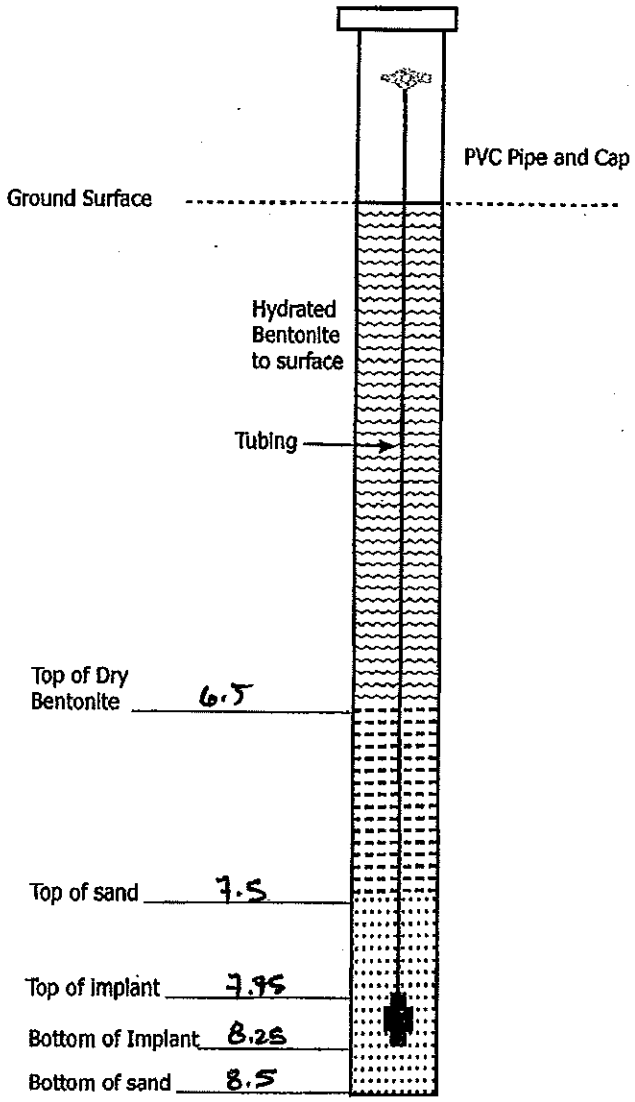
PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						0	SM	SILTY SAND (SM), DRY, BROWN (10YR 4/3), FINE SAND, ~65% FINE, ~15% MEDIUM SAND, ~20% FINES, LOOSE; ROOTS; FILL MATERIAL; SAND IS SA TO SR.	—	—	15	65	20
0.0		40"	—	None	—	1							
						2		@ 1.5-2.0 INTERVAL OF LIGHT YELLOWISH BROWN (10YR 6/4) W/ PIECES OF SS (FROM A SMALL ROCK)					
						3							
						4							
						5	SM	SILTY SAND (SM) DRY, LOOSE, DARK YELLOWISH BROWN (10YR 4/4), ~85% FINE SAND, 10% MEDIUM, 25% FINES, FILL MATERIAL; SAND IS SA TO SR	—	—	10	65	25
0.0		40"	—	None	—	6							
								@ 7.5 - 8.0 - MEDIUM DENSE					
						7							
0.0	X	6"	—	None	—	8	SP	SAND (SP) YELLOWISH BROWN, DRY, FINE TO MEDIUM LOOSE SAND, SAND IS ANG TO SUB ROUNDED,	—	—	80	15	5
						9		TD=8.5'; ~~UNKNOWN REFUSAL~~ SV PROBE, @ 7.5-8.5' LIGHTWEIGHT SAMPLING					

QA/QC
Surficial media boring log rev 2-25-2014

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 BRYNES
Drilling Contractor: EST
Rig Type/Method: ~~MARTIN~~ GEOPROBE 5400 / DP
Driller: MARTIN KILHULLEN
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

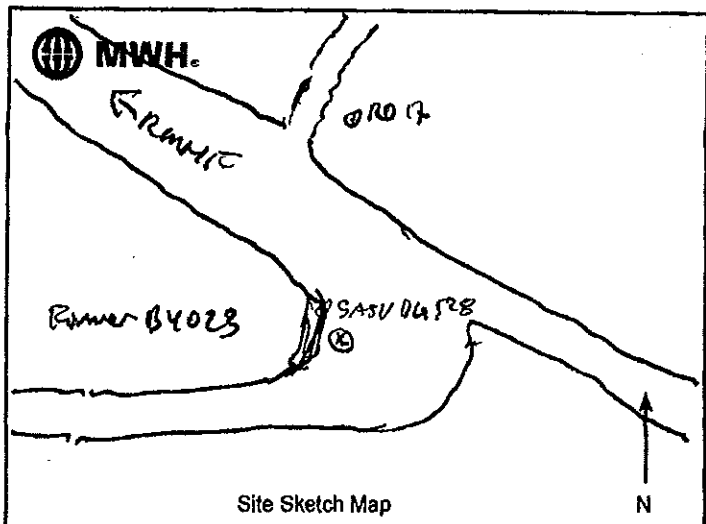
Type: #8
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

Boring ID: 5A SV DG-528	Sheet 1 of 1
Project: Phase 3 DOE SVDG 2014	
Job #: 10503892.3000108	Site: 5A
Logged By: MBENNIS	Reviewed By:
Drilling Contractor: EST	Drillers Name: MARK KILHULLEN
Drill Rig Type/Method: Geoprobe 5400	
Sampler Type: Macrocore.	
Borehole Diam (inch): 2.25"	Total Depth (ft bgs): 10.0'
Drill Bit Type: Macro core	
Drill Start Time/Date: 14:25 05 JUN 14	Drill Finish Time/Date: 14:40 05 JUN 14
Soil Vapor ID: 5A SV DG-528	Soil Boring Backfill Time/Date: N/A
Backfill Material: N/A	
Soil Vapor Well Completion Time/Date: 05 JUN 14; 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 (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, slight grade SE	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.0 PM		44"				0		0.0-0.35 4" asphalt					
						1	SP GP	0.35-1.7 graded poorly sorted sand w/ gravel. (SP-GP), gray (10YR6/1),	20	10	15	45	10
						2	SP	Mostly fine sand (45), little gravel (20), little medium (15), few silt (10)					
						3		coarse sand (10). med dense-dense, dry. No stain, no odor. Fill					
		48"				4		Same base gravel at 1.7' bgs. 1.7 - 4.0					
			TD: 10.0' w/ refusal on sandstone bedrock			5	SP SM	Poorly graded sand (SP). Yellowish brown (10YR 5/4) loose, dry.	-	-	5	85	10
						6		Mostly fine sand (85), few silt (10) and few med sand (5). No stain, no odor. Fill.					
						7		4.0 - 8.5					
		24"				8		Poorly sorted sand with silt (SP-SM)	-	-	TR	75	25
						9	SM	dark brown (10YR 3/3) graded to dk yellow brown (10YR 3/6). dry, loose. Mostly					
						10.0		fine sand (75), little silt (25), trace med sand. No stain, no odor. Fill.	-	-	65	35	

8.5-10.0 [illegible]

QA/QC Surficial media boring log rev 2-25-2014

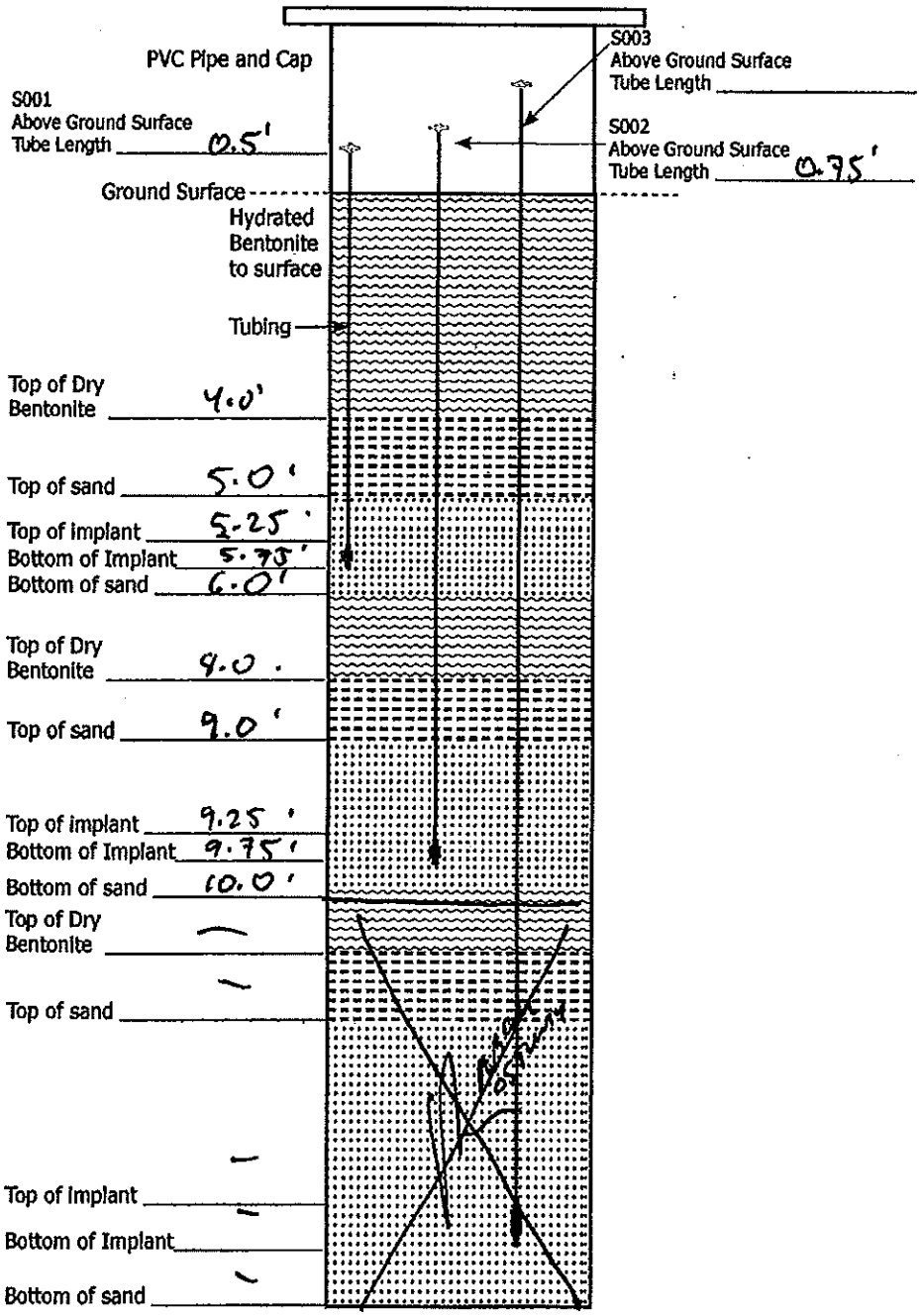
MWH

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5ASV DG-528
Site: SA
Drilling Contractor: EST
Borehole TD: 10.0' bgs

Project: Phase 3 DOE Data Gap Sampling 2014
Logged by: ABELLES
Driller: MARK KILHULLEN
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

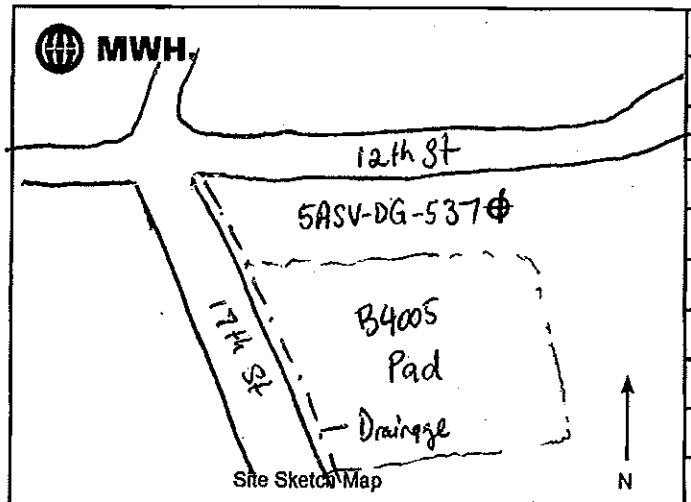
Dry Bentonite
Type: #8 crumbs
Manufacturer: Cetco

Hydrated Bentonite
Type: #8 crumbs
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 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:	5ASV-DG-537
Soil Vapor Well Completion Time/Date:	1420 / 6-5-14
Soil Vapor Probe Depths (ft.bgs):	4.5 - 5.5
Soil Vapor Well Detail Completed (yes/no)	yes

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
								Surface Description: Just off asphalt, Road base					
						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 changes 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.V.), 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							

QA/QC
Surficial media boring log rev 2-25-2014

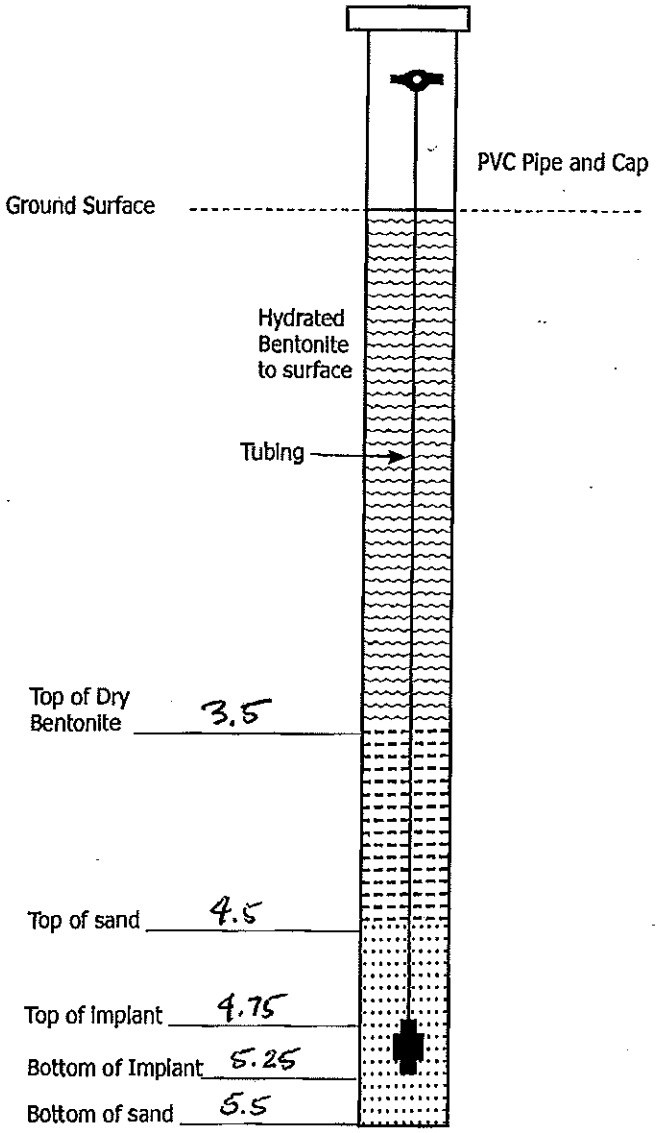
MWH.

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV-DG-537
Site: SA 6A
Drilling Contractor: EST
Borehole TD: 5.5

Job #: 10503982.3050105/10503982.3060105
Reviewed by:
Rig Type/Method: Geoprobe 5400/DP
Probe Completion Date/Time: 1420/6-5-14

Project: Phase 3 DOE Data Gap Sampling
Logged by: V. Vathanasin
Driller: Morgan Hughes
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

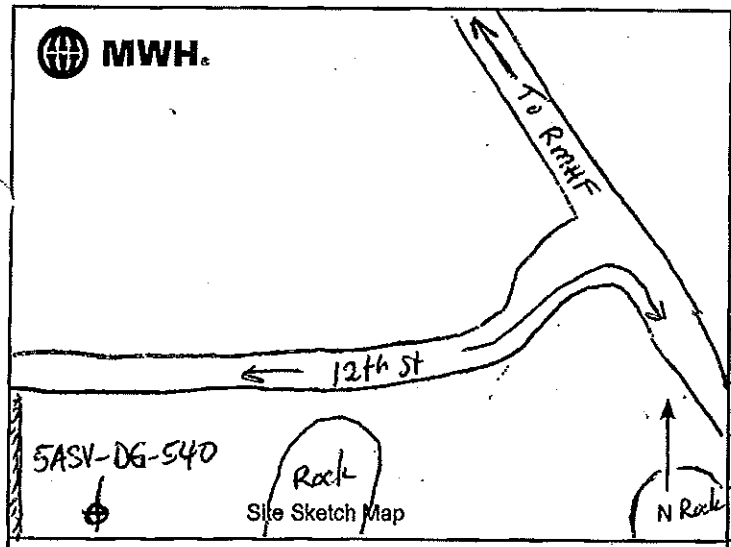
Dry Bentonite
Type: # 8
Manufacturer: Cetco

Hydrated Bentonite
Type: # 8
Manufacturer: Cetco

Notes:
1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Boring ID: 5ASV-DG-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 / Surface Description:	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						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/
		48"	NONE			1–2		@2' Color changes to brownish yellow (10YR 6/6), mica grains					
						3–4							
		48"	NONE			5–6	SM	Silty Sand (SM), dark yellowish brown (10YR 4/4), loose, dry, fine sand, non-plastic silt, no stains or odors, fill	-	-	-	60	40/
						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 sand and silt, native soil	-	-	-	70	30/
							Br						

@9.5 Sandstone - weathered TD = 9.5'

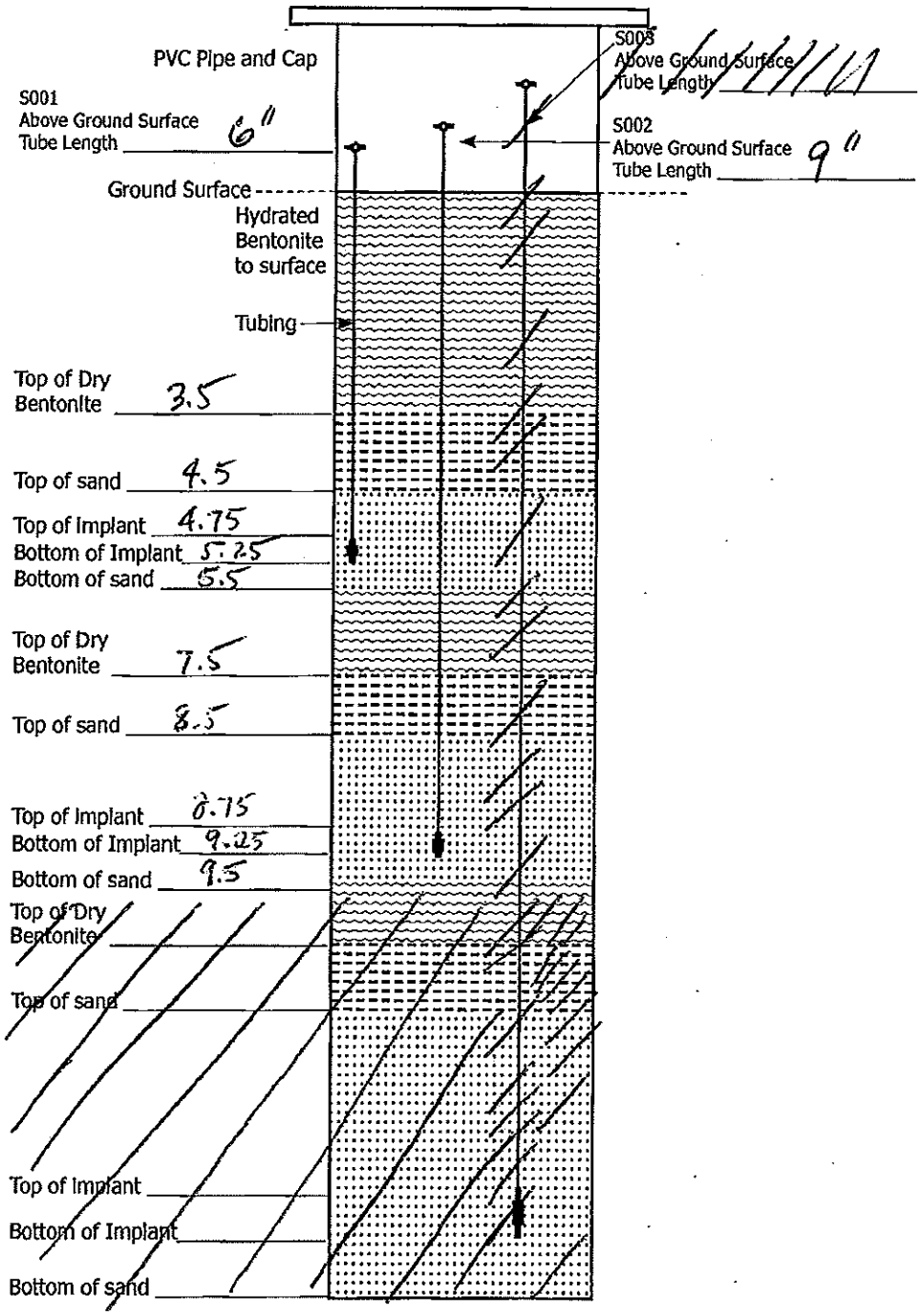
MWH.

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. Vathavasin
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

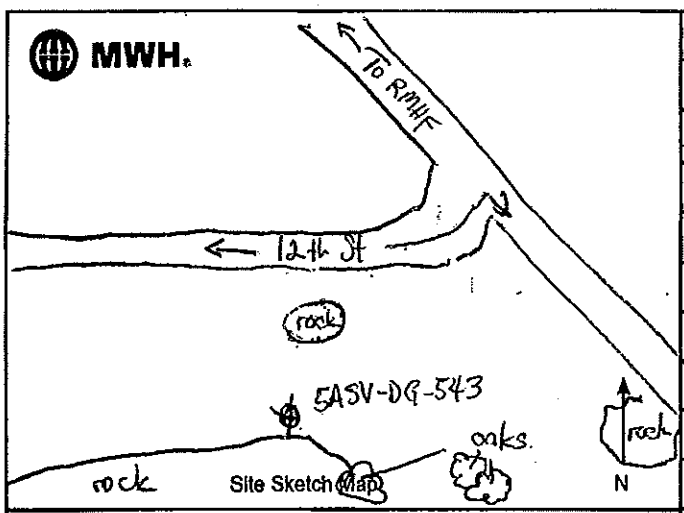
Type: #8
Manufacturer: Cetco

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: 5ASV-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. 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) 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: 5ASV-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

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: Graded yellowish (V.V.)	Gravel	Estimated % of Sand: Coarse	Medium	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 ~~"siltier"~~ (V.V.) more plastic fines, platy structures, fill	–	–	–	60	40/
0.0						3							
						4		@4' brownish yellow (10YR 6/6), native soil, low plasticity clay	–	–	–	60	30 40/10
		24"				5							
			NONE										
0.0						6	Br	Sandstone, weathered.					
						7		TD= 6.0, refusal on bedrock. Install vapor probes at 5.0-6.0'					
						8							
						9							

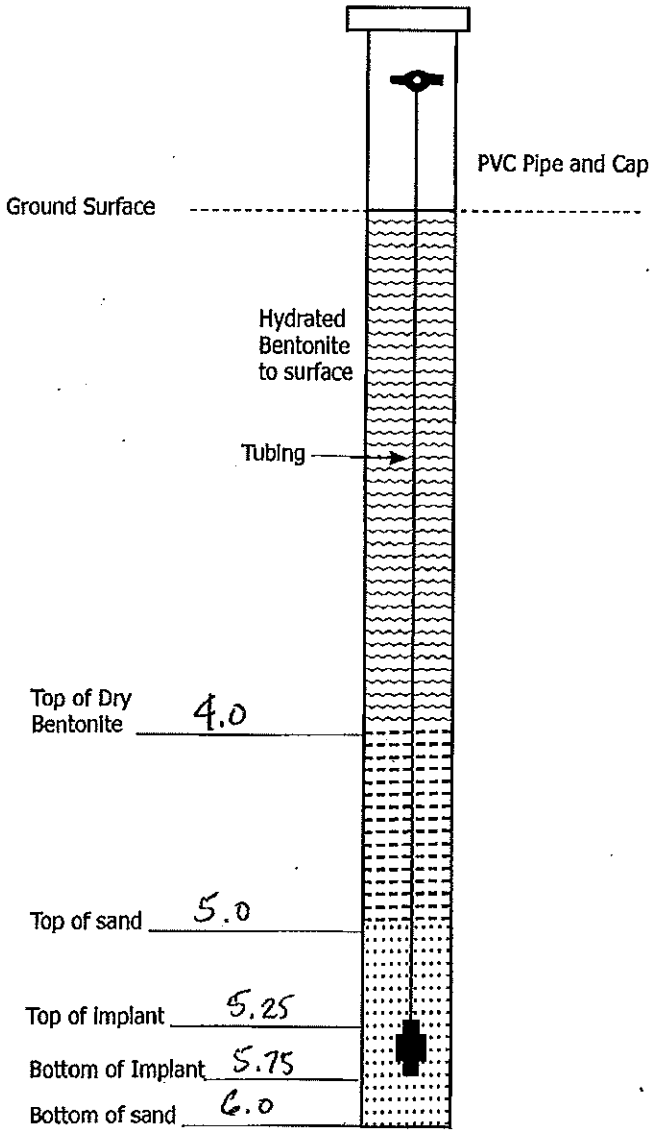
MWH.

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5ASV-DG-543
Site: SA 5A
Drilling Contractor: EST
Borehole TD: 6.0

Job #: 10503982.3050105/10503982.3060105
Reviewed by:
Rig Type/Method: Geoprobe 5400/DP
Probe Completion Date/Time: 1036/6-5-2014

Project: Phase 3 DOE Data Gap Sampling
Logged by: Van Vathanasin
Driller: Morgan Hughes
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~~ V.V. Cemex

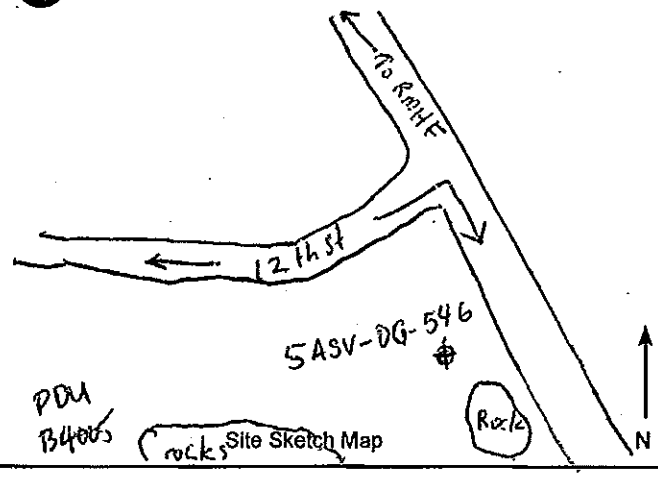
Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:
1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

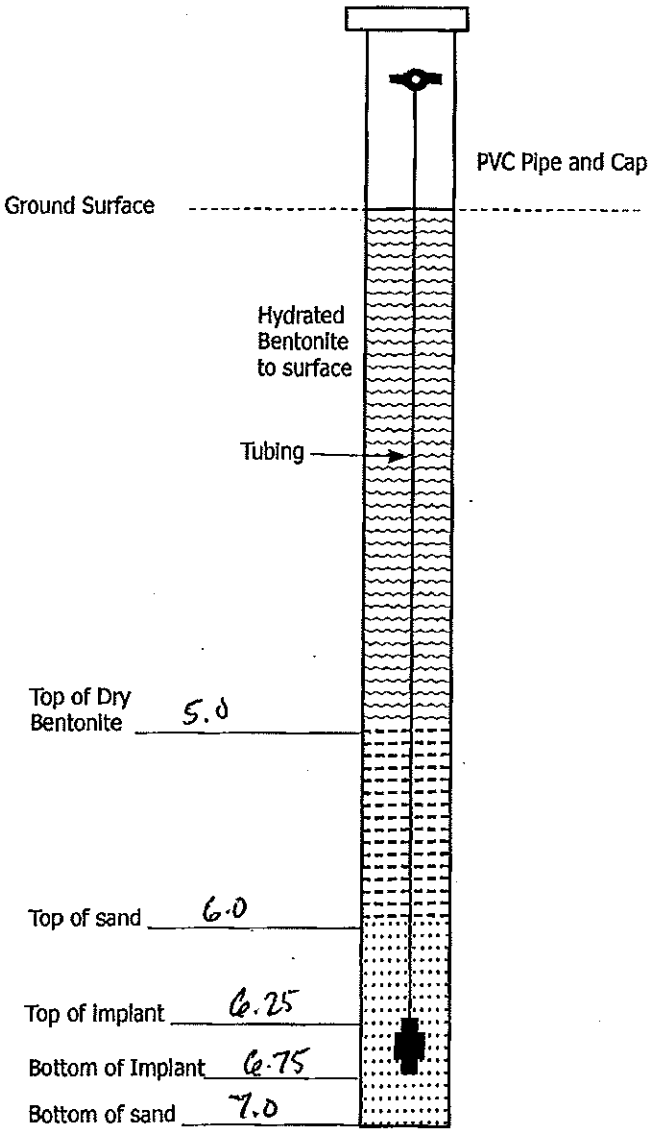
Boring ID: 5ASV-DG-546	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5A
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
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	Medium	Fine	Silt/clay
						0	SM	Surface Description: Graded fill 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 TD=7.0, refusal on bedrock, install probe at 6.0-7.0 ft					
						8							
						9							

MWH.

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

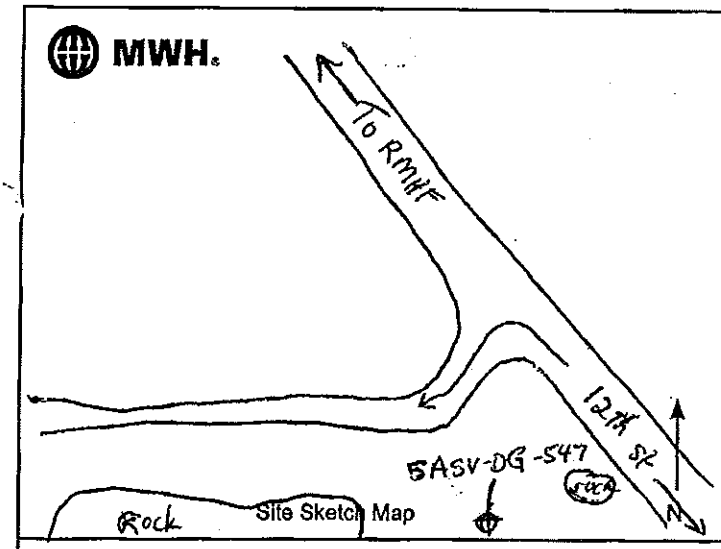
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

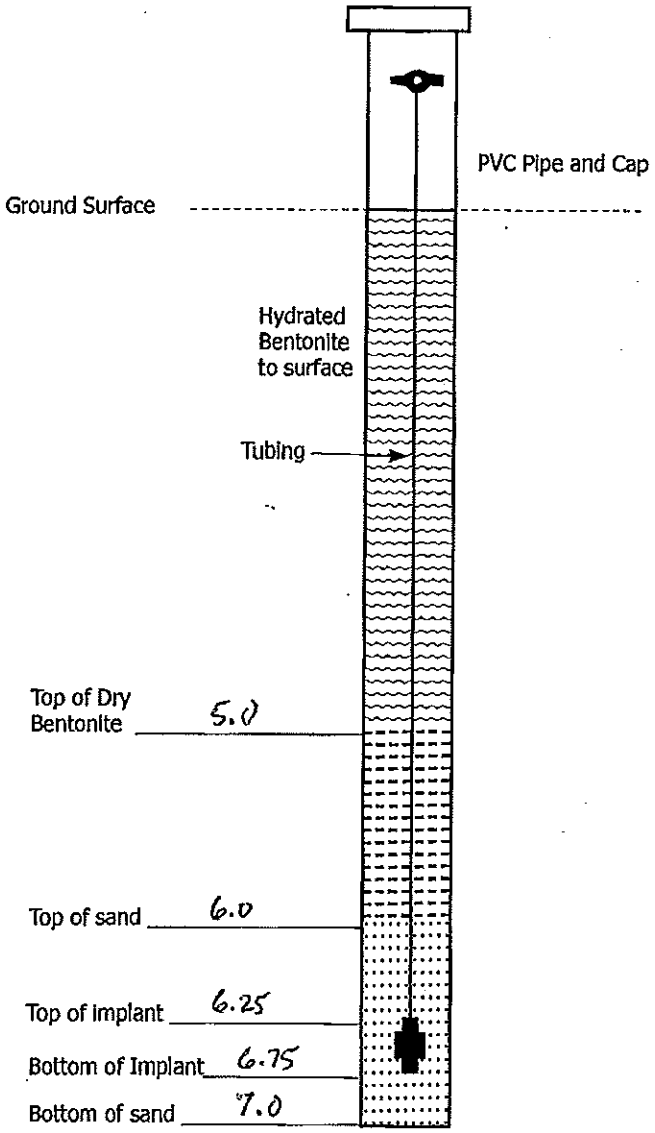
Boring ID: 5ASV-DG-547	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5A
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
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 ~~proge~~ (V.V.) 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	Medium	Fine	Silt/clay
								Surface Description: Graded fill area, mustard					
						0	SM	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	–	–	–	75	25/
		48"	None			1							
						2		@2' grades to loose and color changes to dark yellowish brown (10YR 4/4), friable, fill					
						3							
						4							
		36"	None			5		@5' Color changes to yellowish brown (10YR 5/4), increasing silt	–	–	–	65	35/
						6							
0.2						7	Br	Sandstone, weathered. TD = 7.0, refusal on bedrock. Install vapor probe at 6.0-7.0					
						8							
						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. Vathanasi
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. Vathorasin	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)	

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: In non-paved drainage 11 to 12th st	Gravel	Estimated % of Sand: Coarse	Medium	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		@1.6 color changes to yellowish brown (10YR 5/6)					
						2							
0.0						3		grades to → w/ platy texture, fill	-	-	10	65	25/
		48"				4							
0.0						5							
						6		grades to med. dense.					
						7							
						8	SP-SM	Poody Graded Sand w/ Silt (SP-SM), light yellowish brown (10YR 6/4) with yellow (10YR 7/8) mottling, loose, dry	-	-	-	90	10/
						9							

Boring ID: 5ASV-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 (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
0.0	X					0	SP-SM	fine sand, non-plastic silt, moderate dilatency, non-cohesive, native soil					
						1							
						2	Br	Sandstone, weathered					
						3							
						4		TD = 11.5. Refusal on bedrock, install probes at 5.0-6.0, and 10.5-11.5					
						5							
						6							
						7							
						8							
						9							
						0							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

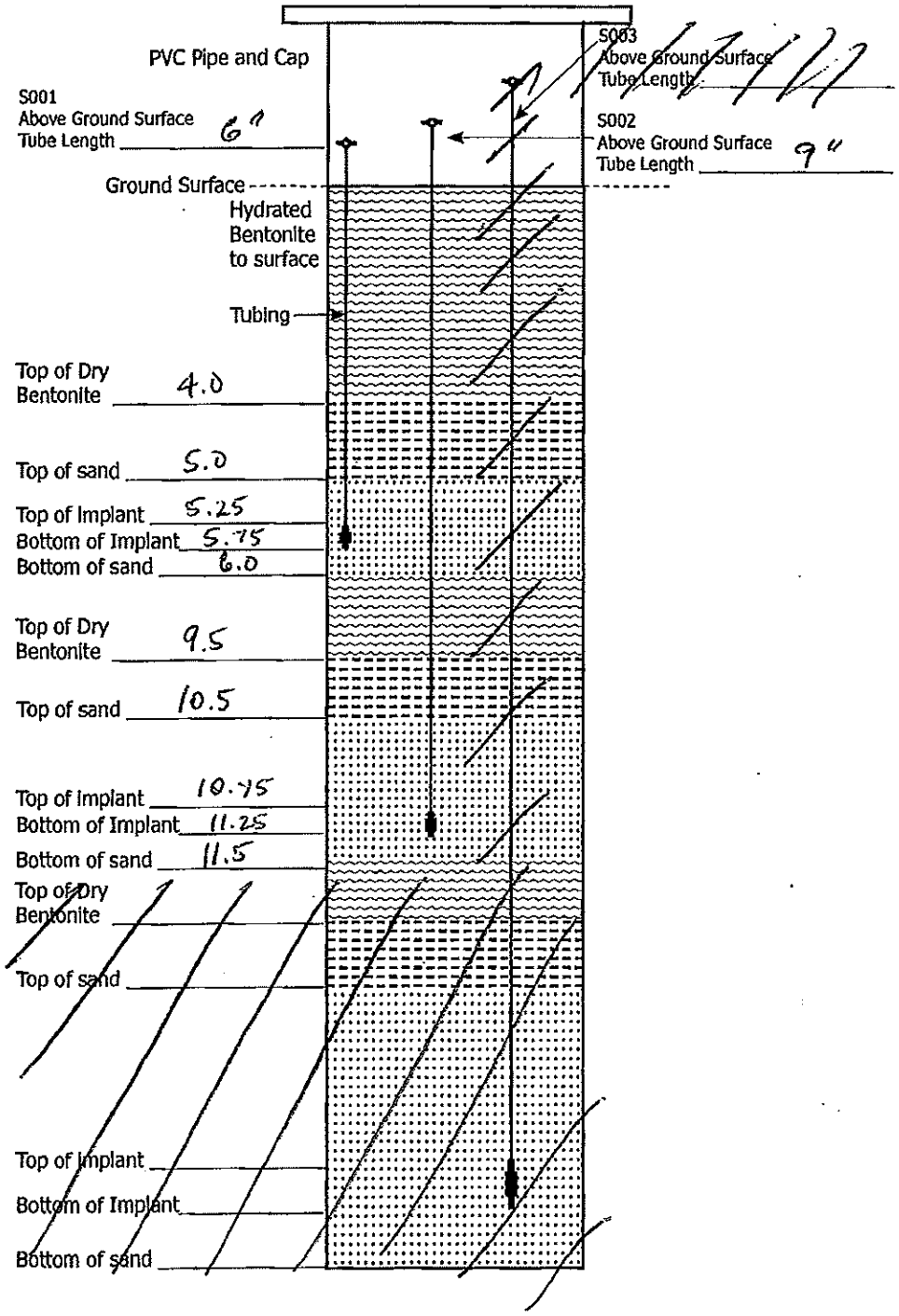
MWH.

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5ASV-DG-560
Site: SA SA
Drilling Contractor: EST
Borehole TD: 11.5

Project: Phase 3 SOE SV DG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 0.25

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
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

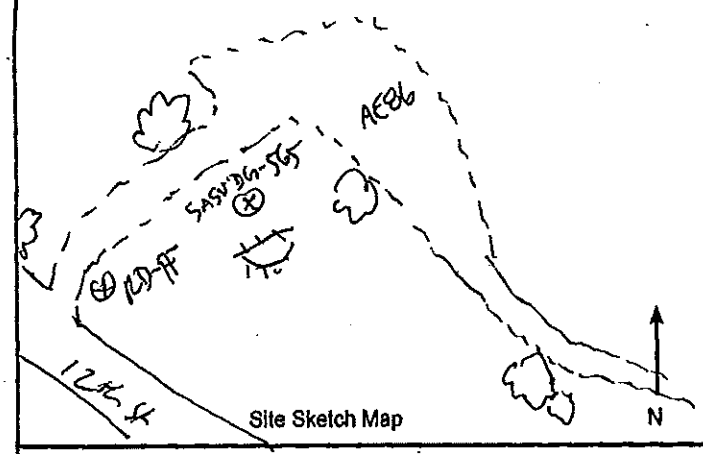
Dry Bentonite
Type: #8
Manufacturer: Cetco

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 #: 105039882.3060106	Site: 5A
Logged By: Rob Ellis	Reviewed By:
Drilling Contractor: EST	Drillers Name: Marty Kilhullen
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
Soil Vapor Well Completion Time/Date: 04 JUN 14 14:30, 14:48 (shallow, deep)	Backfill Material: N/A
Soil Vapor Probe Depths (ft.bgs): 5.0'-6.0'; 12.0'-13.0'	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☑ None
Soil Vapor Well Detail Completed (yes/no): sketched	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	Medium	Fine	Silt/clay
0.0 ppm		48"				0		0.0-5.0					
						1		Silty sand (SM), brown (10YR 4/3)	–	TR	15	55	30
								very loose to loose, dry. Mostly fine					
						2	SM	sand (55), some silt (30), little medium					
								sand (15), trace coarse sand.					
								Sand lense (1") @ ~1.0' bgs.					
						3		No stain, no odor. Fill material					
								5.0-9.0'					
0.0 ppm		~~36"~~ 48"	48"			4		~~SM~~ poorly graded sand w/ silt	–	–	10	70	20
						5		(SP-SM). yellowish brown (10YR 5/6)					
								loose, dry. Mostly fine sand (70),					
						6		little silt (20), ~~fet~~ few med sand (10),					
								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	–	–	–	80	20
								lightening to (10YR 7/4) very					
						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 (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
						10	SP-SM						
						11		TD = 13.0' bgs refusal on small stone 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							

MWH

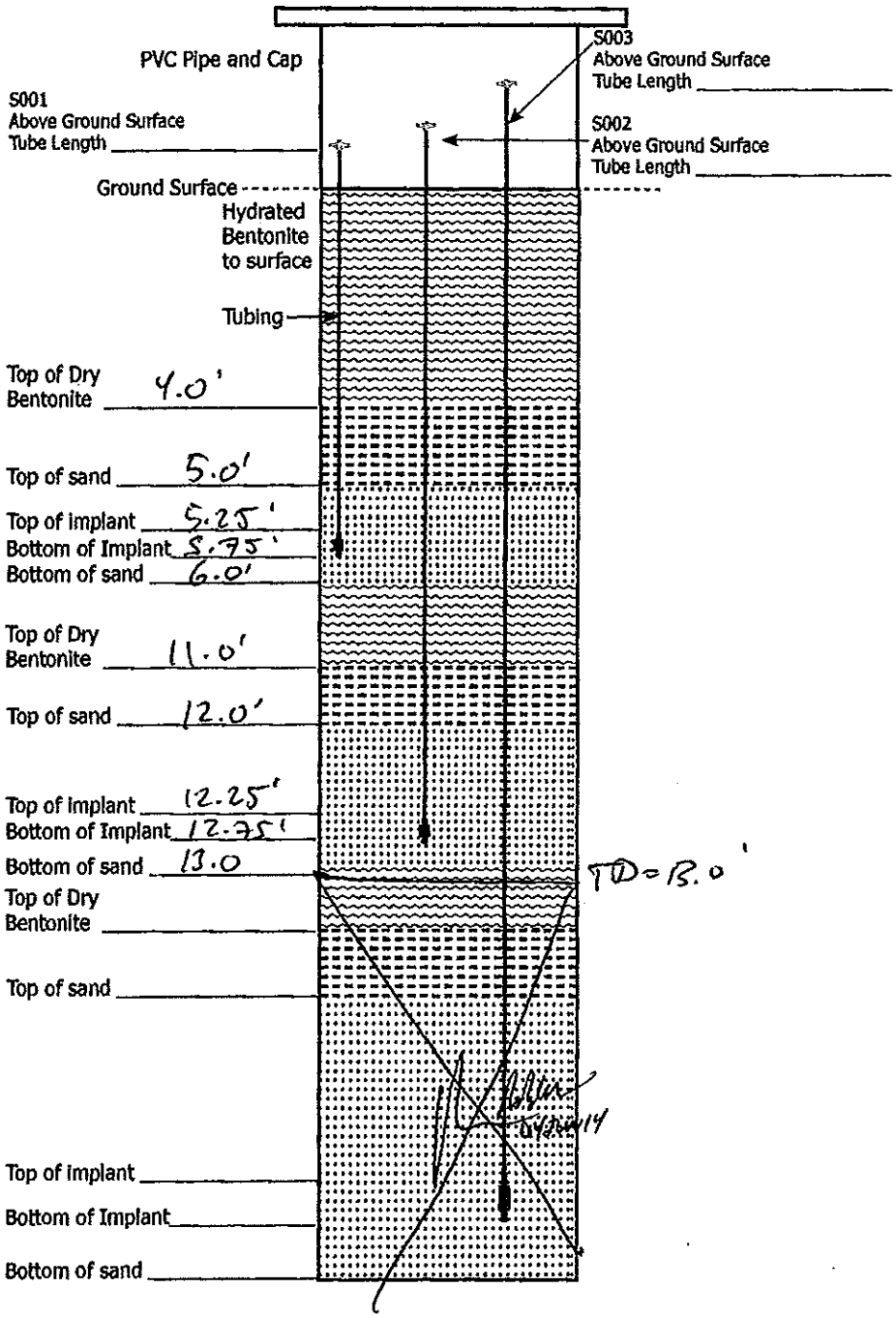
Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV DG-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: 04JAN14

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

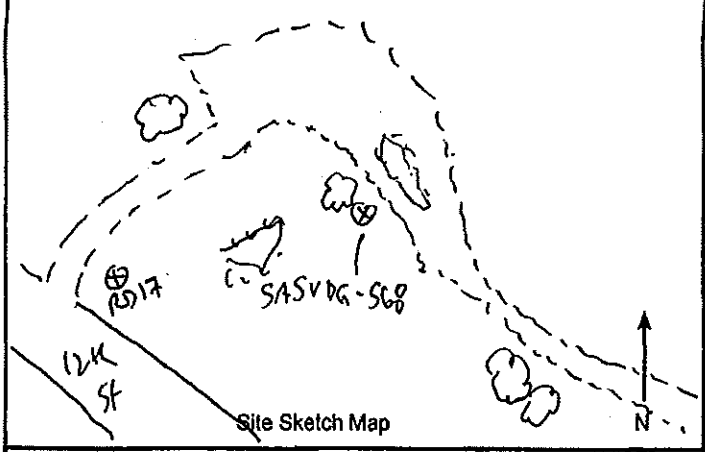
Dry Bentonite
Type: #8 crumbles
Manufacturer: Cetco

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.



Site Sketch Map

Boring ID: SASV DG-568	Sheet 1 of
Project: Phase 3 DOE SVDG 2014	
Job #: 10503892.3060106	Site: SA
Logged By: Ross Ellis	Reviewed By:
Drilling Contractor: EST	Drillers Name: Marty McHullen
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: 12:44 04JUN14	Drill Finish Time/Date: 13:01 04JUN14
Soil Vapor ID: SASV DG-568	Soil Boring Backfill Time/Date: N/A
Backfill Material: N/A	
Soil Vapor Well Completion Time/Date: 04JUN14, 13:15	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): 6.0'-7.0'	Surface Completion: SV. Probe
Soil Vapor Well Detail Completed (yes/no) attached	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: Hardwood/mulched, flat

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	Medium	Fine	Silt/clay
0.0 ppm		48"				0	SM	0.0 - 1.7 Silty sand (SM). Brown (10YR 4/3) very loose, dry. Mostly fine sand (55) some silt (30) little med sand (15). No stain, no odor, fill.	–	–	15	55	30
						1							
						2							
						3	SM	1.7 - 4.4 Silty sand (SM) light yellow brown (10YR 6/4), loose, dry. Mostly fine sand (55). Some silt (35), few coarse (10). No stain, no odor, fill.	–	TR	10	55	35
0.0 ppm		36"				4							
						5	SP	4.4 - 6.5 Poorly graded sand (SP). Yellow brown (10YR 5/4). Mostly fine sand (75) little medium sand (15), few silt (10), upper section 4.4 - 5.0 has 25% coarse sand/small gravel.	–	TR	15	75	10
						6							
						7		6.5 - 7.0 Poorly graded sand (SP). Yellowish brown (10YR 5/6) / very dark brown (10YR 2/2). Sample to split.	–	–	15	75	10
						8							
						9			(✱)	–	–	40	60

set probe on 3rd step - out (W) of location.

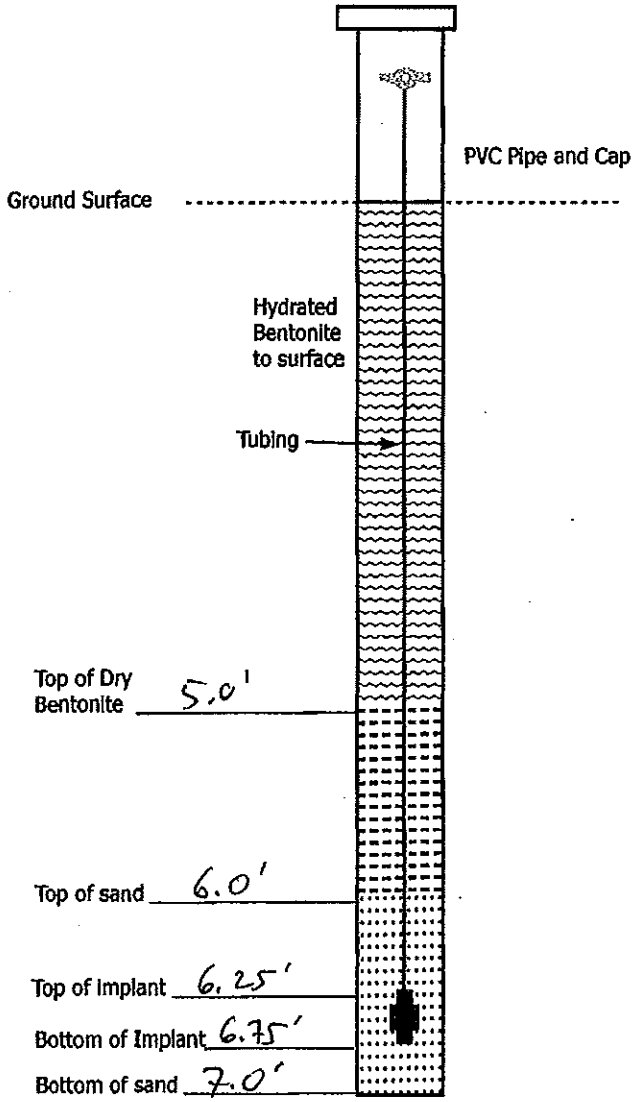
TD = 7.0' w/ refusal on sandstone bedrock

TD

MWH

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV D6-568
Job #: 10503982.3050106/10503982.3060106
Project: Phase 3 DOE Data Gap Sampling 2014
Site: SA
Reviewed by:
Logged by: [illegible]
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400
Driller: [illegible]
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: 5ASV-DG-570	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: 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: 5A 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 (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: * Backfill Slope * 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					

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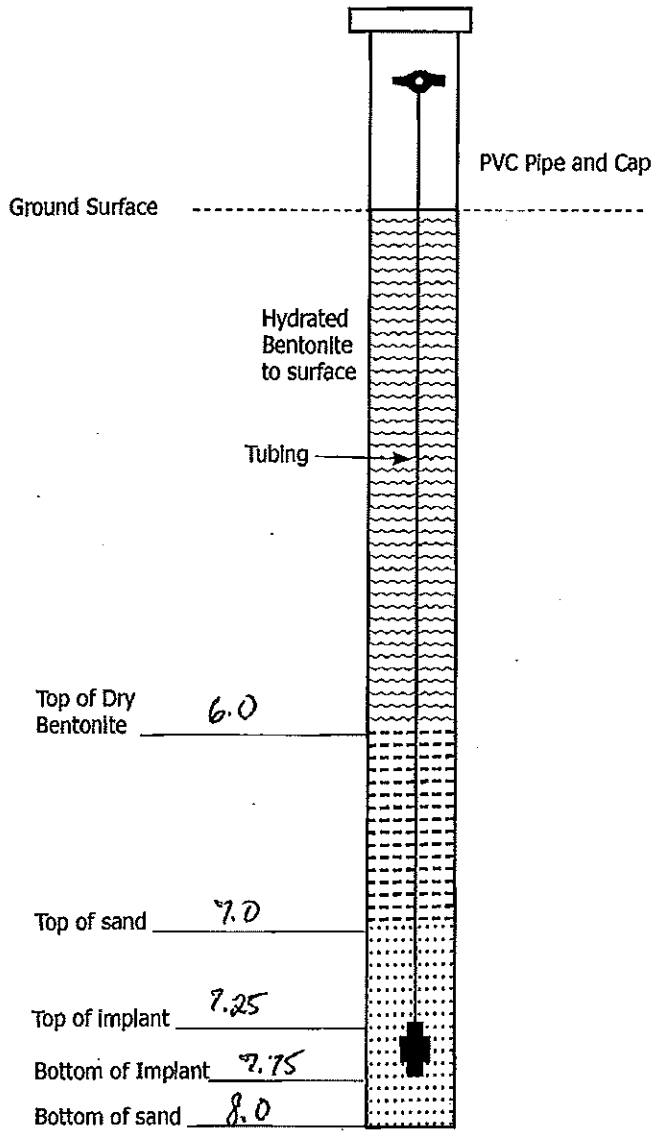
MWH.

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5ASV-DG-570
Site: SA 5A
Drilling Contractor: EST
Borehole TD: ~~2.25"~~ (b.t.) 8.0

Job #: 10503982.3050105/10503982.3060105
Reviewed by:
Rig Type/Method: Geoprobe 5400/DP
Probe Completion Date/Time: ~~1430~~ 1410 (b.t.) / 6-4-14

Project: Phase 3 DOE Data Gap Sampling 2
Logged by: V. Vathanasin
Driller: Morgan Hughes
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

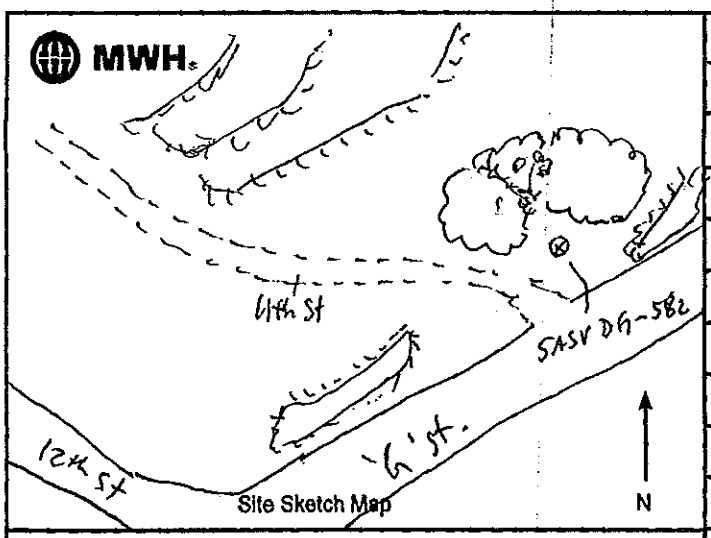
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

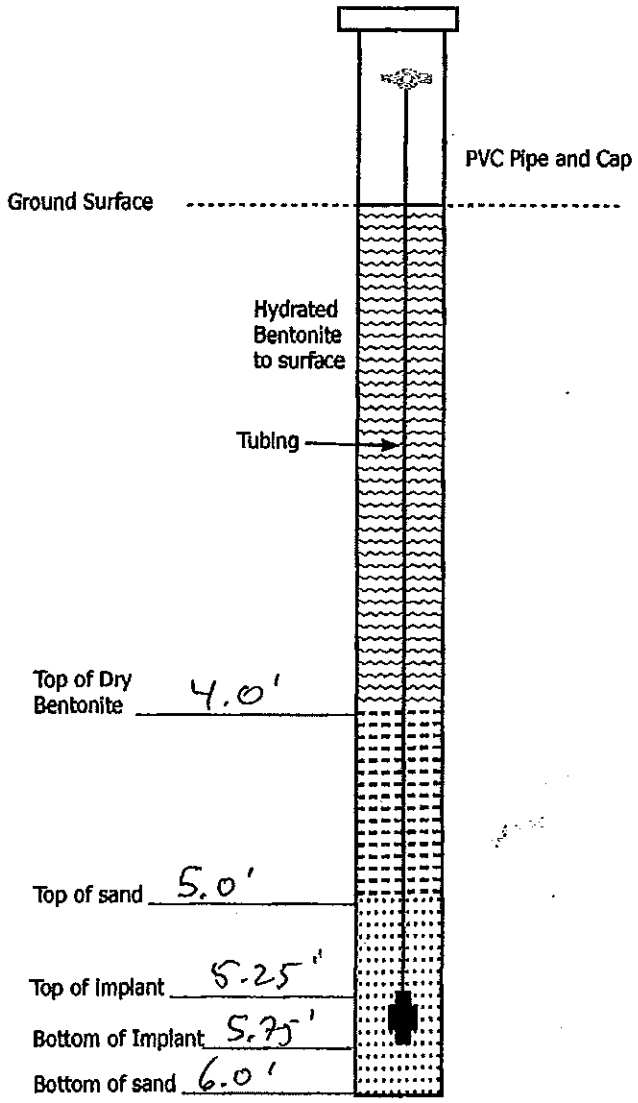
Boring ID: SASV DG-582	Sheet 1 of 1
Project: Phase 3 DOE SVDG 2014	
Job #: 10503482, 3060106	Site: SA
Logged By: RBSeeis	Reviewed By:
Drilling Contractor: EST	Drillers Name: MARK KILHULLEN
Drill Rig Type/Method: Geoprobe 5400	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft bgs): 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: SA SV DG-582	Soil Boring Backfill Time/Date: N/A
Soil Vapor Well Completion Time/Date: 04 JUN 14, 10:30	Backfill Material: N/A
Soil Vapor Probe Depths (ft.bgs): 5.0 - 6.0'	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Well Detail Completed (yes/no) attached	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 (till, alluvium, bedrock) (10) Misc. Observations / Surface Description:	Gravel	Estimated % of Sand Coarse	Medium	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) and loose, still dry. Mostly fine sand (60), some silt (35), few medium sand (5). No stain, no odor. Fill material. Roots	-	-	5	60	35
						2							
						3							
						4							
00 ppm		24"						4.5-6.0					
						5	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							
• Confirm bedrock refusal 3' (SW)						8							
						9		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 #: 10503982.3050106/10503982.3060106
Project: Phase 3 DOE Data Gap Sampling 20'
Site: SA
Reviewed by:
Logged by: RB Sells
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400
Driller: Marty Kilpatrick
Borehole TD: 6.0' bgs
Probe Completion Date/Time: 04Jun14, 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

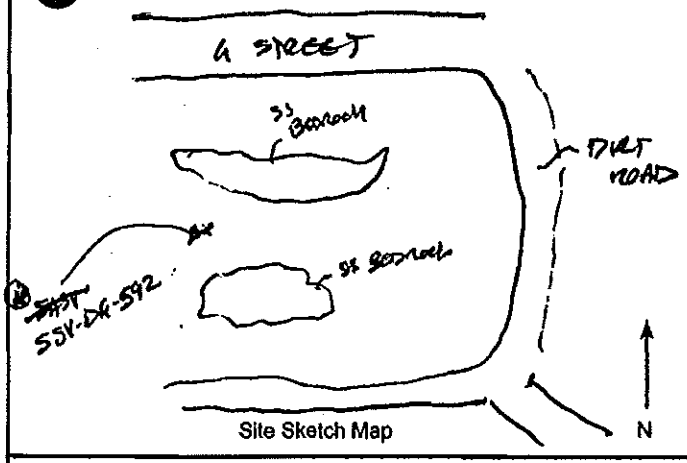
Dry Bentonite
Type: #8 crumbles
Manufacturer: Cetco

Hydrated Bentonite
Type: #8 crumbles
Manufacturer: Cetco

Notes:
1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

Boring ID: SSV-DG-592	Sheet 1 of 1
Project: Phase 3 DOE Data Gap Sampling 2014	
Job #: 10503982.3050106 / 10503982.3060106	Site: 5A
Logged By: Andrew Bryant	Reviewed By:
Drilling Contractor:	Drillers Name: Martin Kilhuman
Drill Rig Type/Method: Geoprobe 8140/DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25	Total Depth (ft bgs):
Drill Bit Type: Macrolore	
Drill Start Time/Date: 6/6/14 1130	Drill Finish Time/Date: 6/6/14 1140
Soil Vapor ID: SSV-DG-592	Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 6/6/14 1145	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. ☒ 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, small shrubs & trees near loc.; bedrock @ 4.5'.

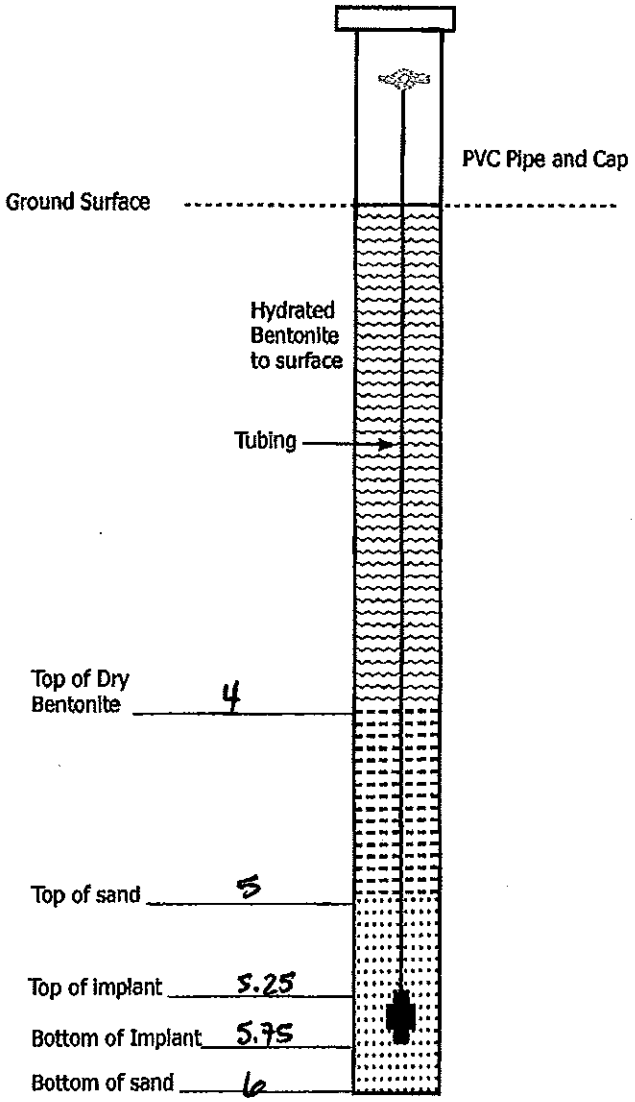
PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						0	SM	Silty sand (SM), dry, loose, brown (10YR 4/3) fine to medium sand, medium dense from 1'-4' bgs; becomes dk yellowish brown (10YR 4/6) between 2-4' bgs; roots @ 1'; fill material	—	—	10	65	25
0.0		40"	—	N/A none	—	1							
						2			—	—	15	65	20
						3							
						4	SP-SM	Sand w/silt (SP-SM), dry, light yellowish (10YR 6/4), loose, pred. fine sand w/ medium sand, ~15% fines, native/alluvium			25	60	15
						5	SP	Sand (SP), dry, light yellowish brown (10YR 6/4), loose, fine to medium sand, trace pebbles weathered SS; native alluvium			15	80	5
0.0		36"	—	N/A none	—	6							
						7		TD=6'; refusal on weathered SS bedrock; SV probe @ 5-6'					
						8							
						9							

QA/QC
Subsidial media boring log rev 2-25-2014

MWH

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SSV - DG - 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: MARDN ~~[illegible]~~ 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

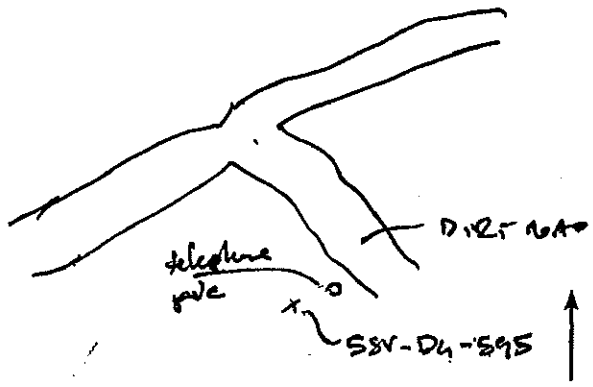
Type: #8
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

Boring ID: SSV-DG-595	Sheet 1 of 1
Project: Phase 3 DOE Data Gap Sampling 2014	
Job #: 10503982.3050106 / 10503982.3060106	Site: 5A
Logged By: AARON DAYNE	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
Soil Vapor ID: SSV-DG-595	Soil Boring Backfill Time/Date:
Soil Vapor Well Completion Time/Date: 6/6/14 1315	Backfill Material: N/A
Soil Vapor Probe Depths (ft.bgs): 5-6	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Well Detail Completed (yes/no)	Surface Completion: SOIL VAPOR PROBE
	Type of Refusal: WEATHERED SS BR. ☒ 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

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Surface Description:	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						0	SM	SILTY SAND (SM), DRY, LOOSE, BROWN (10YR 4/3) TO YELLOWISH BROWN (10YR 5/4), FINE TO MEDIUM SAND, TRACE LEAF SAND, SUBANG TO SUBROUNDED, TRACE GRAVEL < 1/2" DIA (SHALE); FILL MATERIAL	TRACE	5	15	55	25
0.0						1							
						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

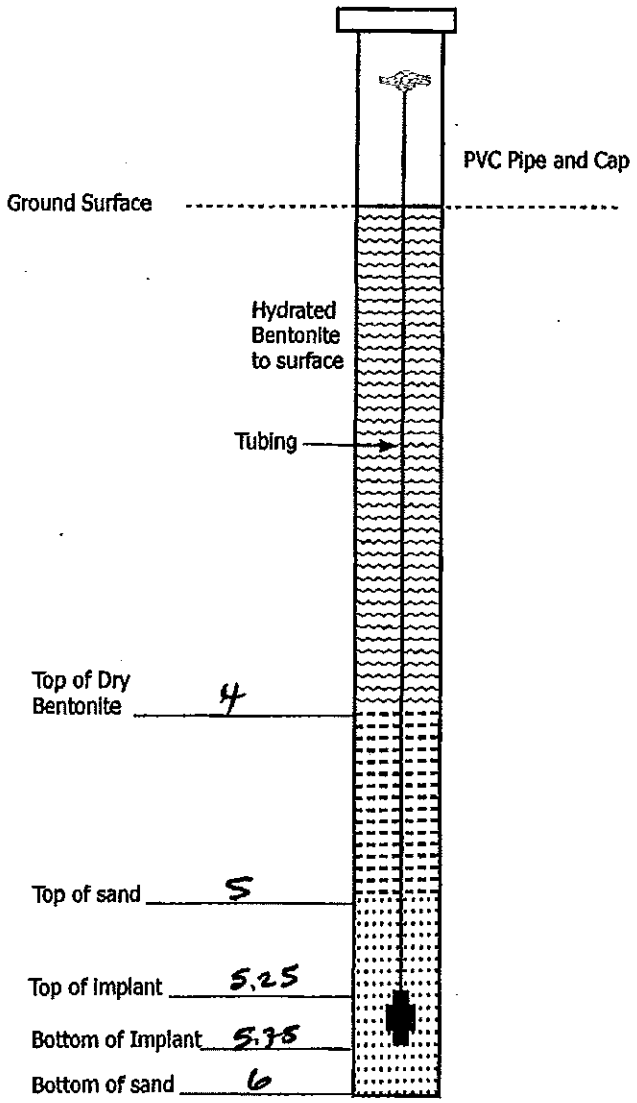
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SSV - DA - 595
Job #: 10503982.3050106/10503982.3060106
Project: Phase 3 DOE Data Gap Sampling 20

Site: SA
Reviewed by:
Logged by: ANDREW DAVIS

Drilling Contractor: EST
Rig Type/Method: HANDAUGER
Driller: MARTIN KILHULEN

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

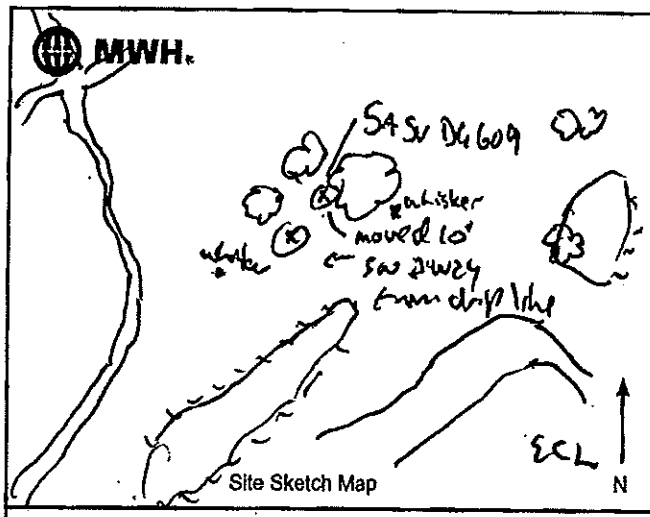
Type: #8
Manufacturer: CETCO

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: MMBSMS	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: 08:20 09 JUN 14	Drill Finish Time/Date: 08:34 09 JUN 14
Soil Vapor ID: SASV_DG-609	Soil Boring Backfill Time/Date: NA
Soil Vapor Well Completion Time/Date: 09 JUN 14; 08:50	Backfill Material: NA
Soil Vapor Probe Depths (ft.bgs): 7.0-8.0'	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Well Detail Completed (yes/no) attached	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	Medium	Fine	Silt/clay
0.0 PM		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 PM		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 changes to light yellow brown (10YR 6/4).	-	-	10	60	30
						8							
TD = 8.0' bgs w/ refusal on sandstone bedrock						9							

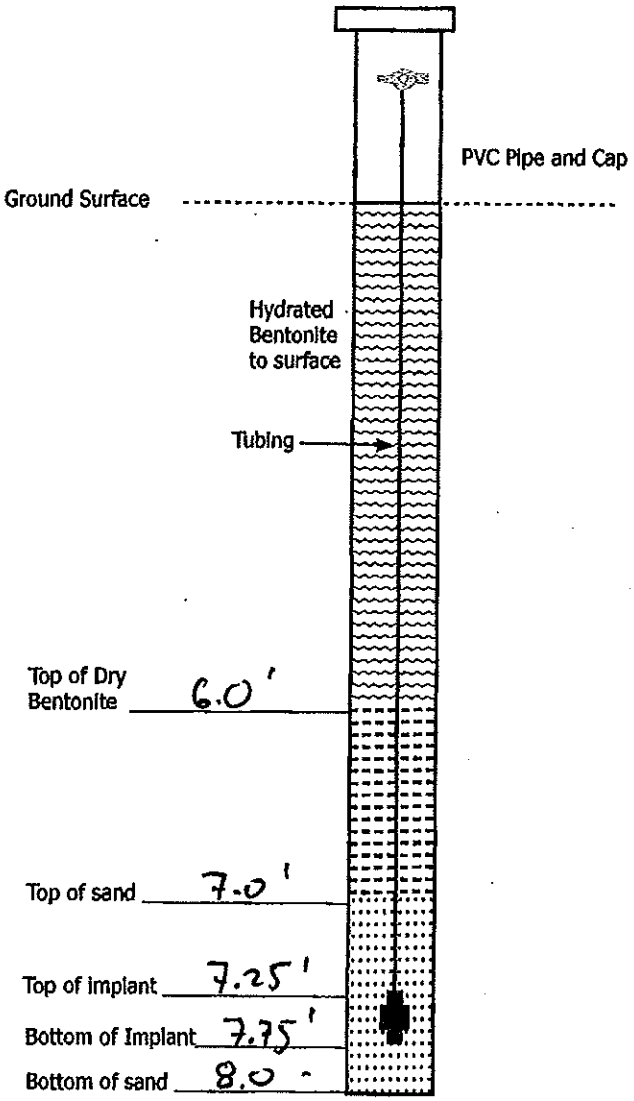
MWH

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASVDG-609
Site: SASV
Drilling Contractor: EST
Borehole TD: 8.0' bgs

Job #: 10503982.3050106/10503982.3060106
Reviewed by:
Rig Type/Method: Geoprobe 5400
Probe Completion Date/Time: 09 JUL 14, 08:50

Project: Phase 3 DOE Data Gap Sampling 20
Logged by: Russell
Driller: Morgan Hughes
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: 5CSV-DG-505 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	Medium	Fine	Silt/clay
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
		42"	NONE			12	SP-SM	low-plasticity silt, fine sand, no odors or stains, native soil, moderate silt cement SP-SM (V.V.)	-	-	-	90	10
						13							
						14		Poorly Graded Sand (SP), pale brown (10YR 6/3), fine sand, non-plastic silt, friable, no odors or stains, native soil					
0.0		12"	NONE			15	SP	@ 14' grades w/ low plasticity fines.					
						16	SP	@15' grades w/o fines (Poorly Graded Sand)	-	-	-	100	-
						17		@ 16' Sandstone, weathered.					
						18							
						19							
						20		(V.V.) TD = 16.0; refusal on bedrock, install pushes at 5.0-6.0, 10.0-11.0, 15.0-16.0					
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

5-6

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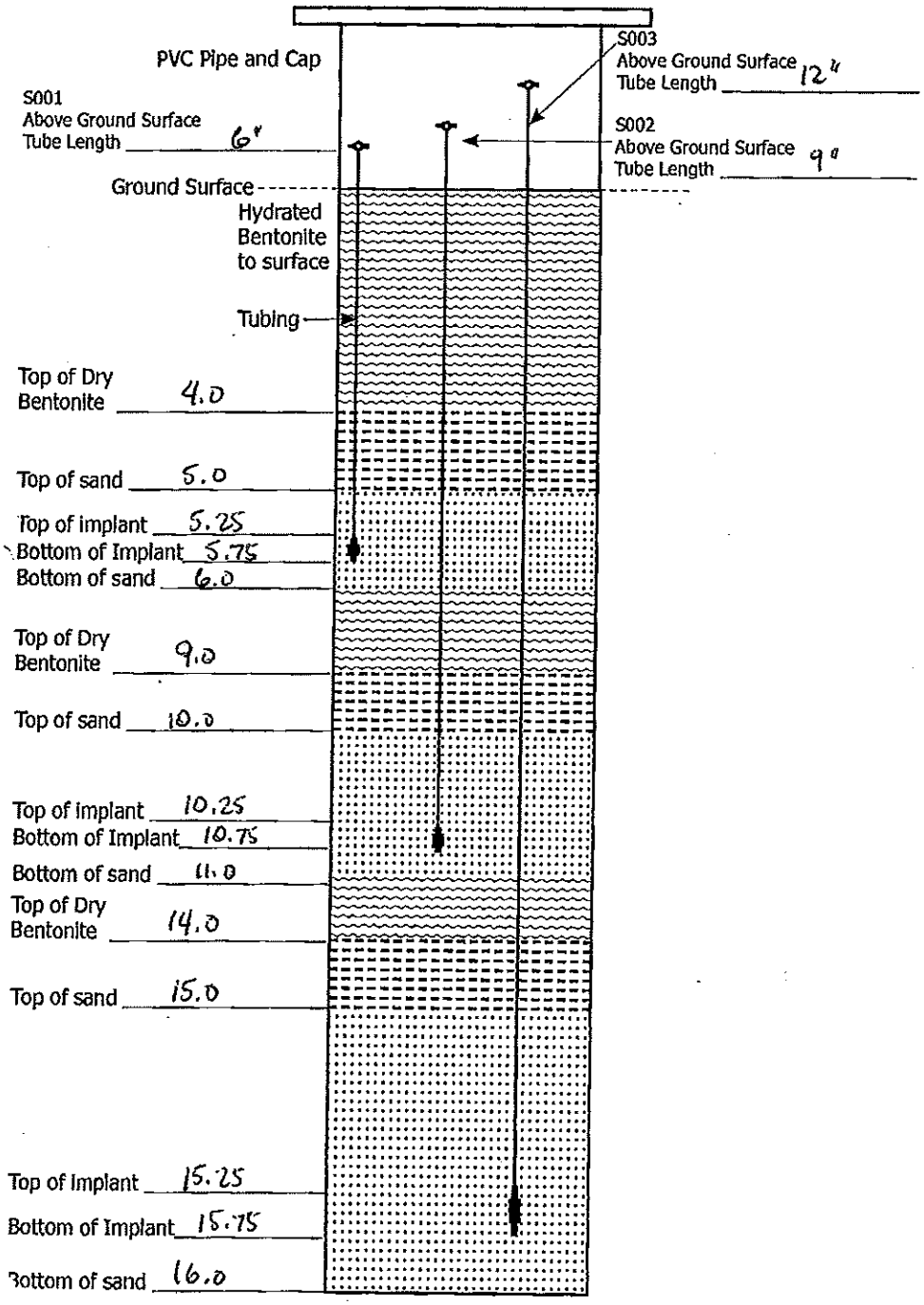
MWH.

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5CSV-DG-505
Project: Phase 3 DoE SVDG
Job #: 10503982
Site: SA 5C
Logged by: U. Vathanasin
Reviewed by:
Drilling Contractor: EST
Driller: Morgan Hughes
Rig Type/Method: Geoprobe 5400/DP
Borehole TD: 16.0
Borehole Diameter: 8.25"
Probe Completion Date/Time: 1505/5-27-1



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

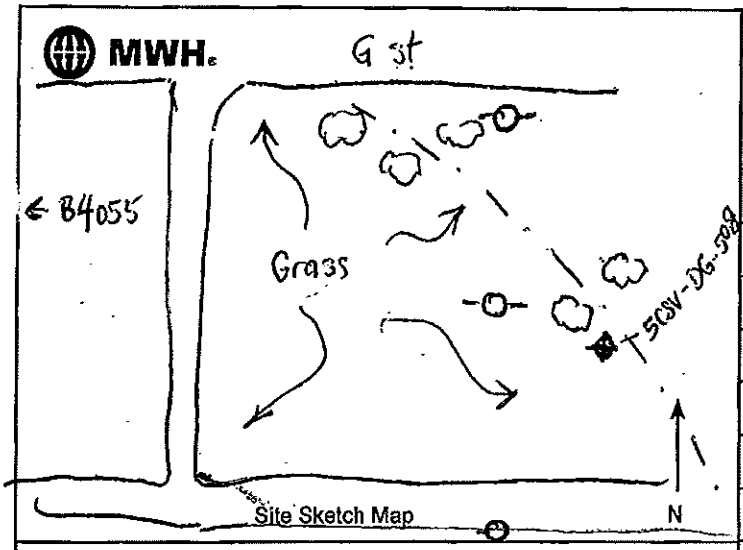
Type: #8
Manufacturer: Cetco

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: 5CSV-DG-508	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SA5C
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
Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None	
Surface Completion: Soil vapor probe	
Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None	

Soil Vapor ID: 5CSV-DG-508	
Soil Vapor Well Completion Time/Date: 0840 / 5-28-14	
Soil Vapor Probe Depths (ft.bgs): 8.25 - 9.25	
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: Hummocky area, grass	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						0	SM	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
28.4		41"	NONE			1							
						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	30
						7							
		15"	NONE			8							
15.1						9							
							Br	@9.25 Sandstone, weathered. TD = 9.25', refusal on bedrock. Install probe at 8.25-9.25					

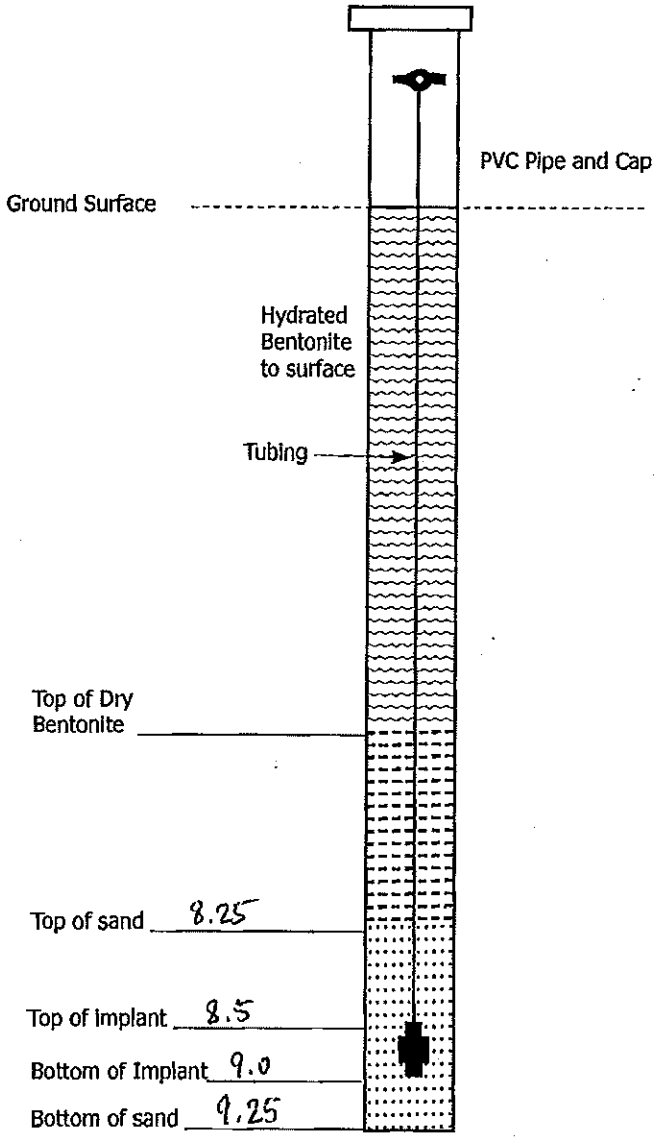
MWH.

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SCSV-DG-508
Site: SASC
Drilling Contractor: EST
Borehole TD: 9.25

Job #: 10503982.3050105/10503982.3060105
Reviewed by:
Rig Type/Method: Geoprobe 5400/DP
Probe Completion Date/Time:

Project: Phase 3 DOE Data Gap Sampling 2
Logged by: V. Vathanasin
Driller: Morgan Hughes
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

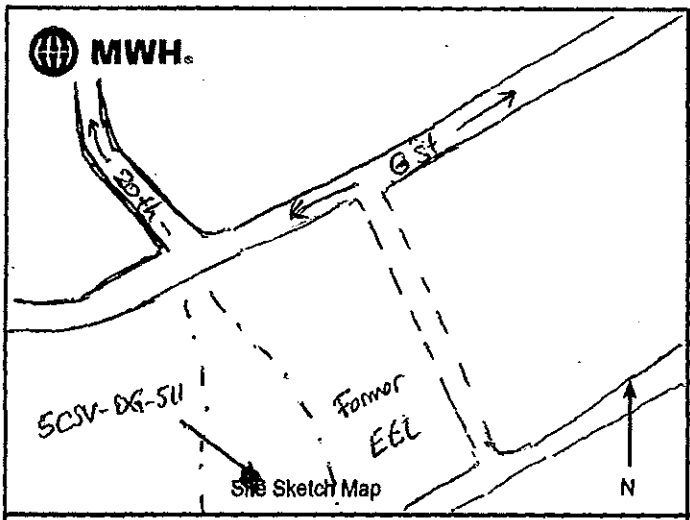
Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:
1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

Boring ID: 5CSV-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. Vathanavin	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: 5CSV-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 bot. drainage Silty Sand (SM), dark yellowish brown (10YR 4/4), loose, moist, fine sand, non-plastic silt, trace medium sand, fill, gravel debris (qtz)	-	-	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 (~~10~~ 10YR 5/4)					
						8							
						9	SM	Silty Sand (SM), yellowish brown (10YR 5/4), loose, dry, fine sand, ~~low~~ plastic silt, no odors, light iron staining (V.F.) (brownish yellow 10YR 6/8), native	-	-	-	65	35/

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Boring ID: SCSV-DG-511 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	Medium	Fine	Silt/clay
						10							
						11							
						12							
						13	SP-SM	(V.V.) Graded Poorly Graded Sand w/ silt (SP-SM) light yellowish brown (10YR 6/4), loose, dry, fine sand, silt, no odors stains, native soil	–	–	–	90	10/
						14	Br						
						15							
						16		Sandstone, weathered					
						17							
						18		TD = 14.0, refusal on bedrock, install vapor probes at 7.0-8.0 and 13.0-14.0. No soil samples collected.					
						19							
						20							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

7-8, 13-14

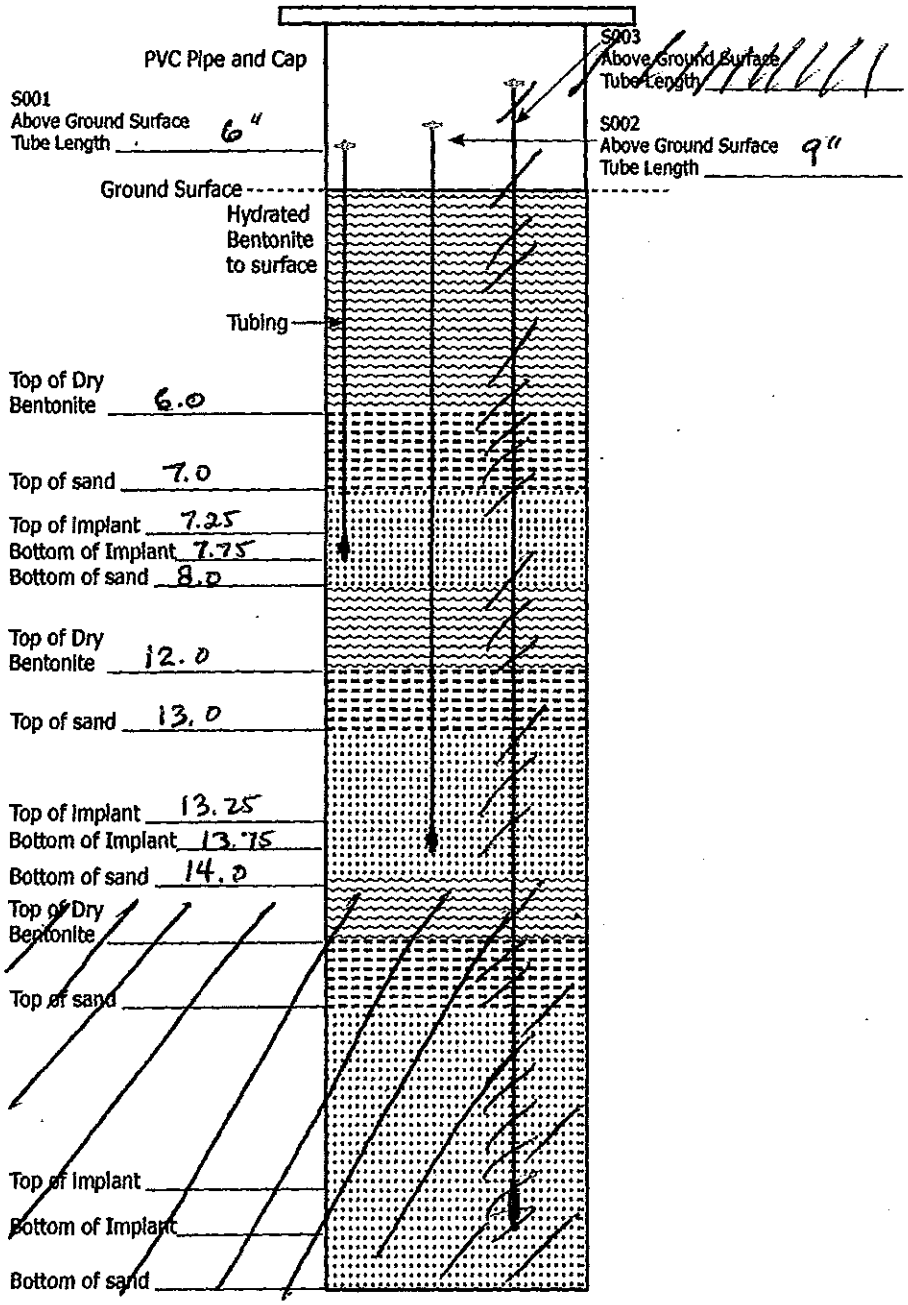
MWH

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5CSV-DG-511
Site: 5C
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

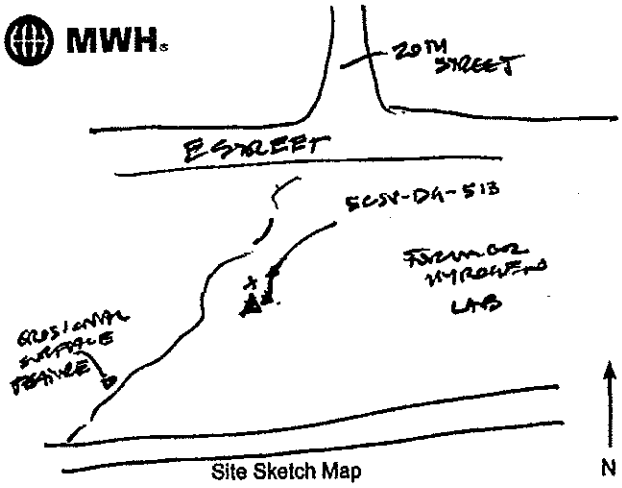
Dry Bentonite
Type: #8
Manufacturer: Cetco

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-DA-513	Sheet 1 of 1
Project: Phase 3 DOE Data Gap Sampling 2014	
Job #: 10503982.3050106 / 10503982.3060106	Site: SA SC
Logged By: ANDREW DAVIS	Reviewed By:
Drilling Contractor: EST	Drillers Name: MARTIN KILHAMAN
Drill Rig Type/Method: HANDAUGER	
Sampler Type: HANDAUGER / LRAS	
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-DA-513	Soil Boring Backfill Time/Date: N/A
Soil Vapor Well Completion Time/Date: 6/11/14 1330	Backfill Material: N/A
Soil Vapor Probe Depths (ft.bgs): 5.0 - 6.0'	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: GRASSES, SHRUBS MUSHRAD

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	Medium	Fine	Silt/clay
						0		SM/SILTY SAND, DRY, BROWN (10YR 4/3), LOOSE, FINE TO MED SAND, SUBANGULAR 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						
						7		TD = 6'; REFUSAL ON LIGHTGRED SS BEDROCK, HARD, FRIABLE.					
						8		SCS VAPOR PROBE @ 5-6' @ 1330					
								- 1ST HOLE REFUSAL @ 6"					
						9		- 2ND HOLE REFUSAL @ 6' (SW PROBE 1' SOUTH					

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MWH.

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SCSV - DG - ~~SB~~ 513 (SC)

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

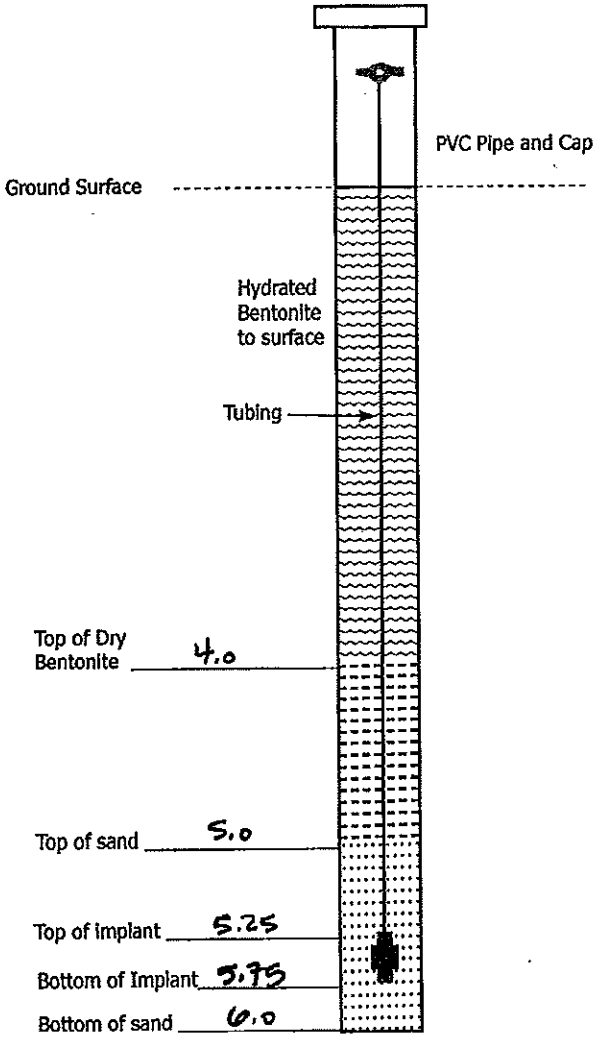
Rig Type/Method: HANDAUGER / GRAB

Driller: NIJOJN VILHUGN

Borehole TD: 6'

Probe Completion Date/Time: 6/11/14 1330

Borehole Diameter: 3.25"



~~SC-S1~~ (SC)

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

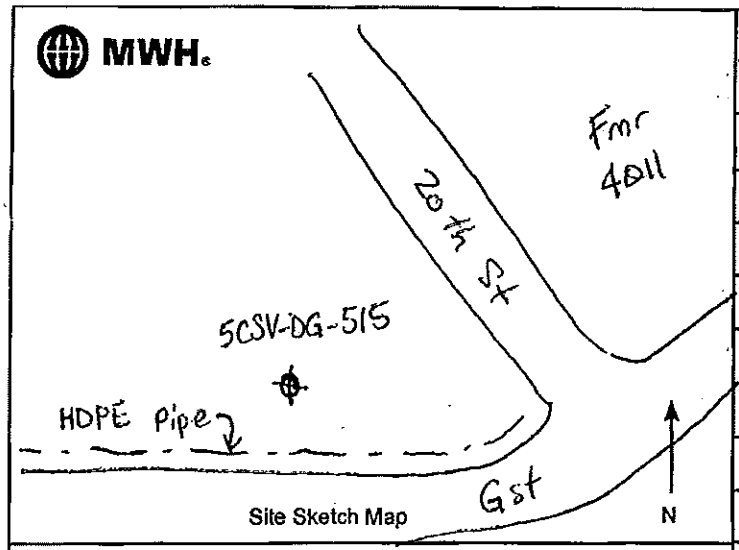
Manufacturer: CETCO

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 (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		Surface Description: Soil and weeds, graded					
							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							
53.6		43"	NONE			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
						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							

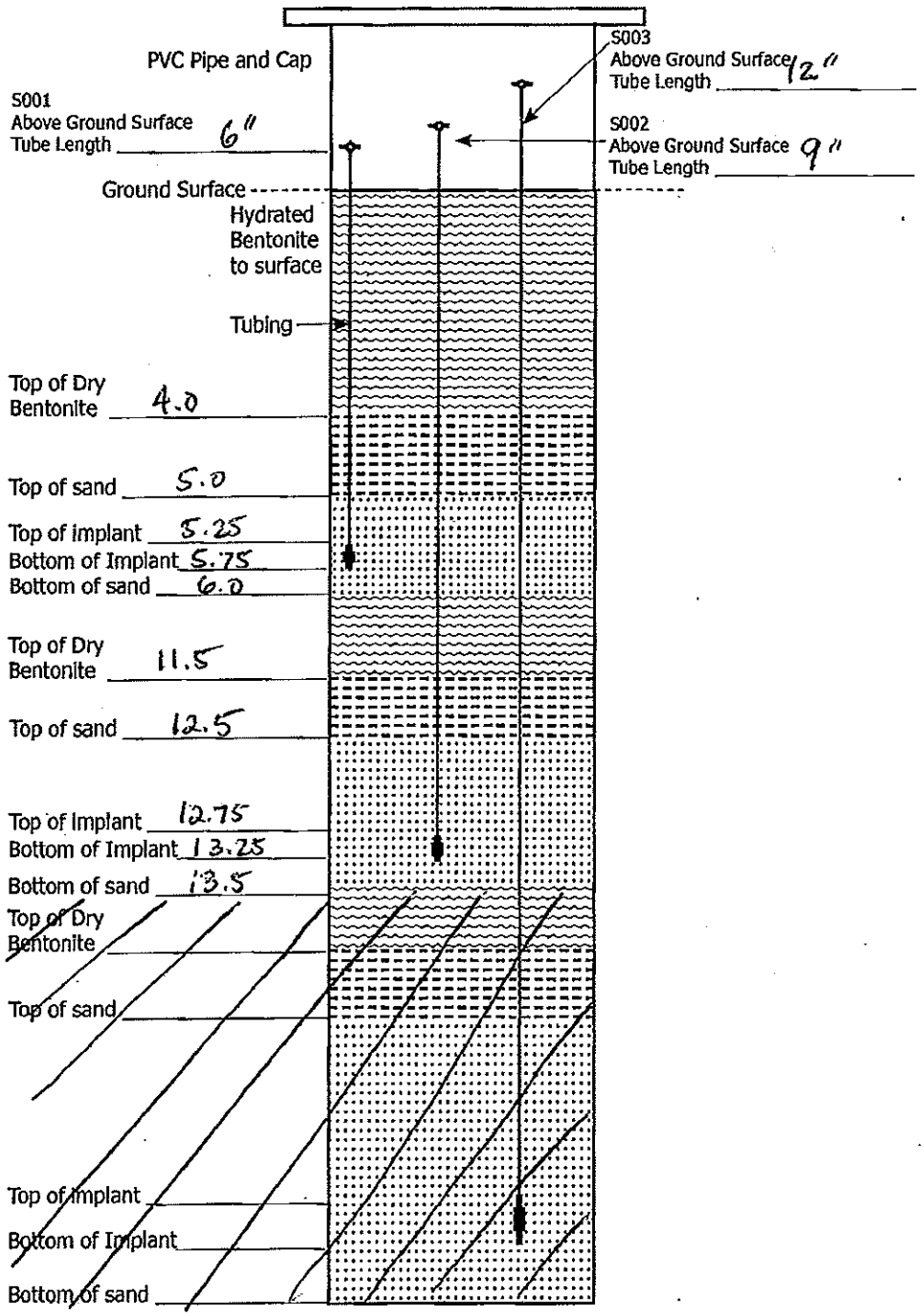
Boring ID: 5CSV-DG-515 Project: Phase 3 DOE SV DG 2014 Sheet 2 of 2

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	Medium	Fine	Silt/clay
	X	NONE				10		~~Silt~~ Silt + Clay increases, med. stiff. (V.V.)	–	–	5	80	10/5
	X	NONE				11	SP	~~Silt~~ Poorly Graded Sand (SP), yellowish brown (10YR 5/4), loose, dry, fine sand, trace silt, brownish yellow (10YR 6/6) stains (oxidation), native soil.	–	–	–	100	TR
0.0	X					12							
						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. PID ~~read~~ @ 53.6 ppm @ 5' bgs.					
						17							
						18							
						19							
						20							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

MWH.

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SCSV-DG-515
Project: Phase 3 DOE SV DG
Job #: 10503982
Site: SA SC
Logged by: Van Vathanasin
Reviewed by:
Drilling Contractor: EST
Driller: Morgan Hughes
Rig Type/Method: Geoprobe 5400 / DP
Borehole TD: 13.5
Borehole Diameter: 2.25"
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

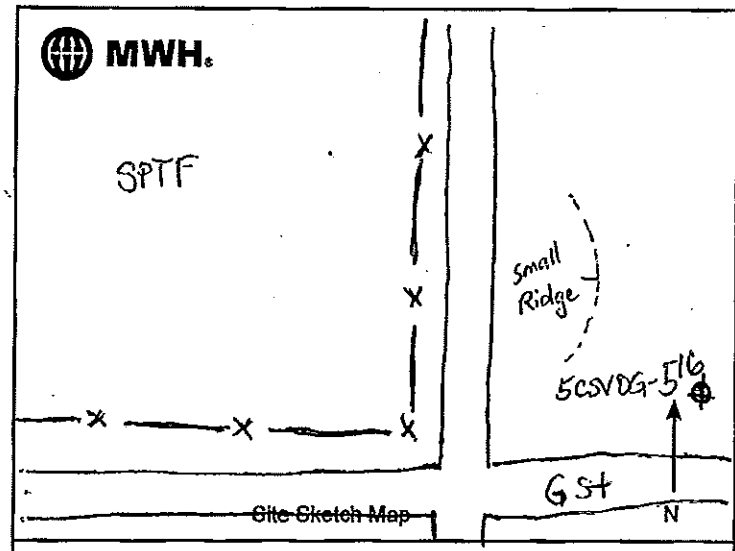
Type: #8
Manufacturer: Cetco

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-OG-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-OG-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 (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistancy/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: Graded area w/ road base. 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							
		36"	NONE					slightly clayey → decomposed feldspars, fill	10	5	10	40	25/10
						6							
						7							
						8							
		36"	NONE			9							

QA/QC

Surficial media boring log rev 2-25-2014

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	Medium	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
0.2		18"	NONE			11	SM		TR	—	—	100	—
						12	SP	~~Silty Sand (SM)~~ Poorly Graded Sand (SP), brown (10YR 5/3), loose, dry, fine sand, trace fine gravel, fill					
		30"	NONE			13							
						14							
						15							
0.7		12"					SM	Silty Sand (SM), brown (10YR 5/3), loose, dry, fine sand, low-plasticity silt; fill	—	—	—	75	25
			NONE			16	VD MS		—	—	—	100	—
		0"				17	SP	Poorly Graded Sand, brownish yellow (10YR 6/6), loose, dry, fine sand, native soil					
						18							
2.3		12"	NONE			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							

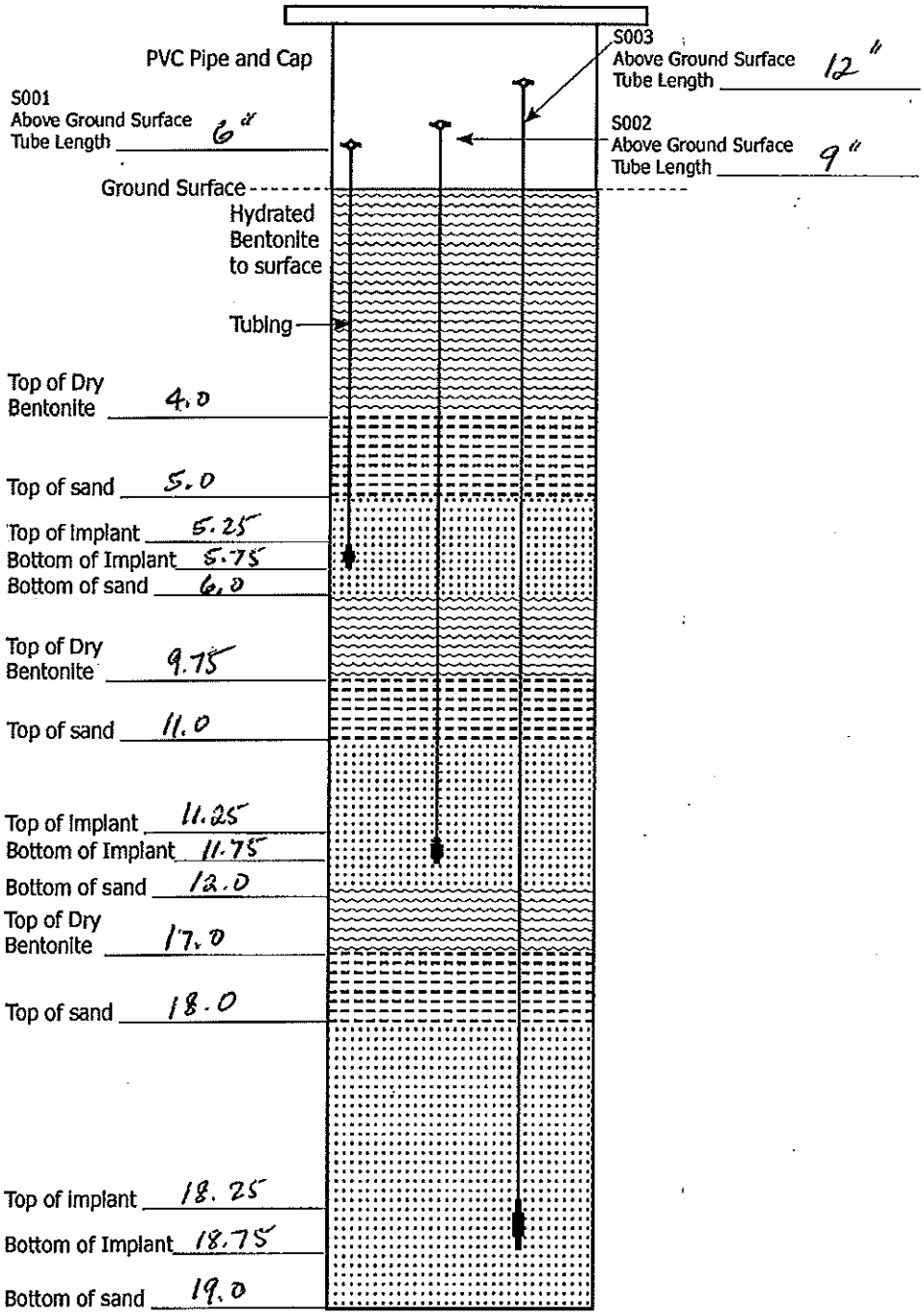
MWH.

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5CSV-DG-516
Site: 5C
Drilling Contractor: EST
Borehole TD: 19.0

Project: Phase 3 DOE 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: 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

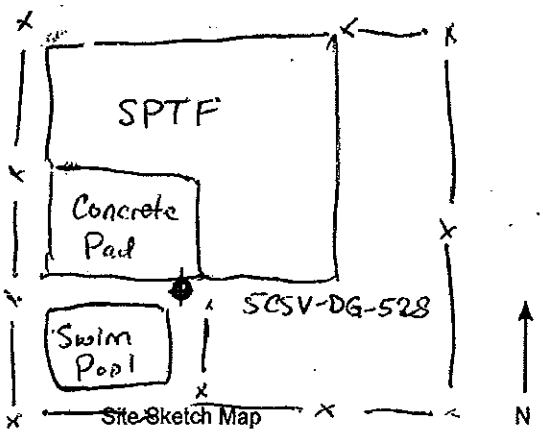
Type: #8
Manufacturer: Cetco

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: 5CSV-DG-528	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5C
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 Vapor ID: 5CSV-DG-528	Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 1334 / 5-28-14	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): 5.5-6.5	Surface Completion: Install 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: Asphalt

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		3" Asphalt	50	10	15	20	5
						1	GW ~~SW~~	Sandy Gravel (GW), brown (10YR 4/3) with					
		40"				2	SM	pale brown (10YR 6/3) gravel, loose, 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							
								@2.5' 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 at 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 5C

Reviewed by:

Logged by: V. Vathanasin

Drilling Contractor: EST

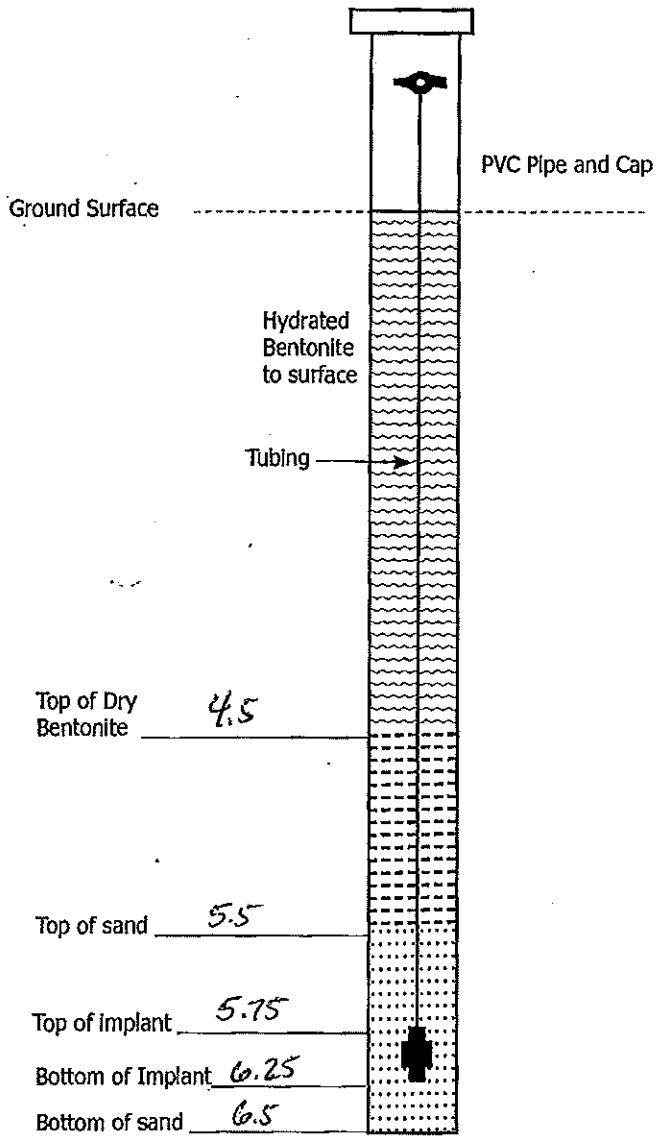
Rig Type/Method: Geoprobe 5400 / DP

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: (V.V.) ~~Cetco~~ Cemex

Dry Bentonite

Type: #8

Manufacturer: CETCO

Hydrated Bentonite

Type: #8

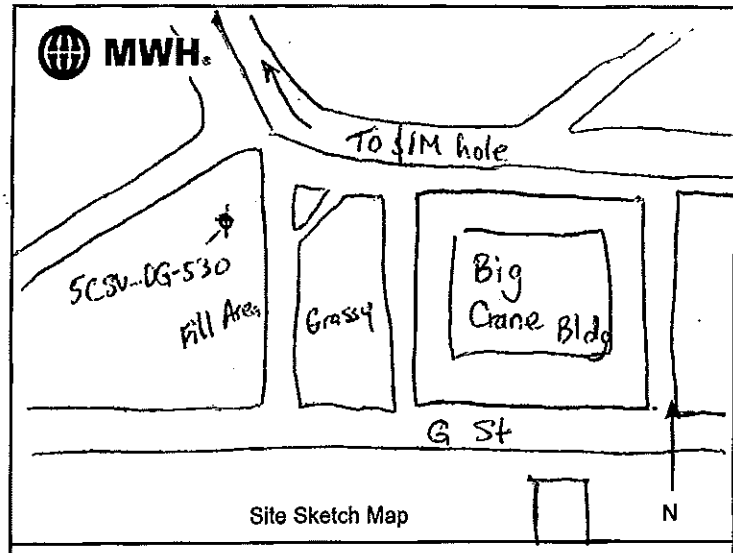
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

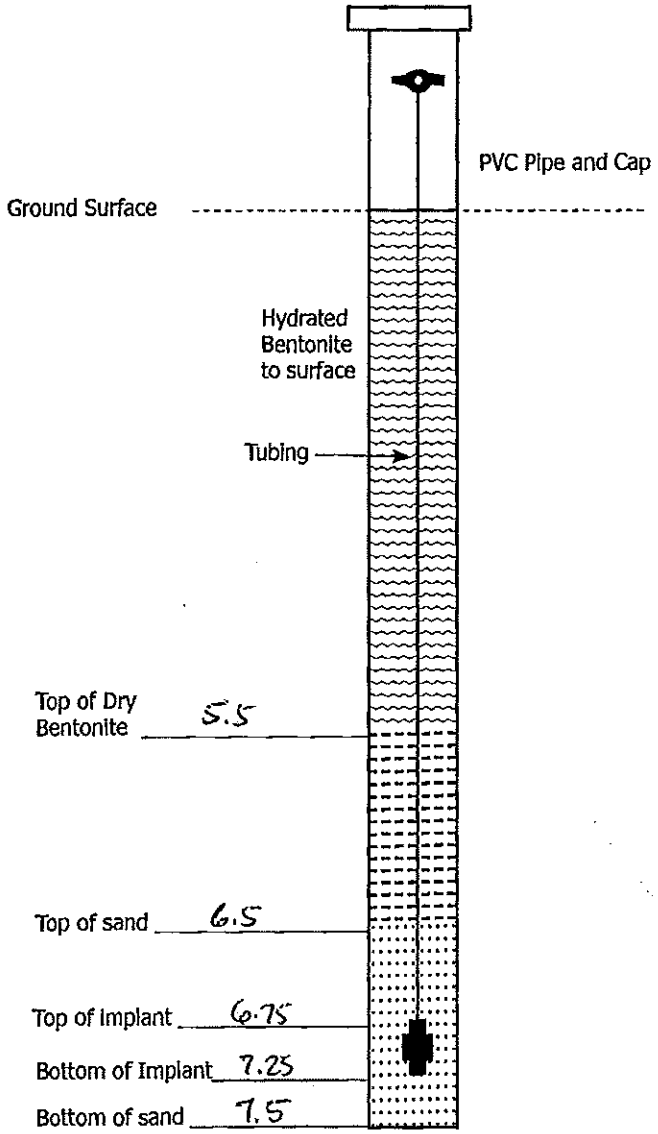
Boring ID: 5CSV-DG-530	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SA 5C
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
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 Vapor ID: 5CSV-DG-530	Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 1504 / 5-20-2014	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 (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: Gentle Slope, gravel, grass	Gravel	Estimated % of Sand: Coarse	Medium	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		@1' asphalt staining, very dark gray (10YR 3/1).					
						2	ML	@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 (V.)
						3							
						4							
						5							
		36"	NONE			6	SP	SP (V.) Poorly Graded Sand (SP), very pale brown (10YR 7/4), loose, dry, fine sand, fill.	—	–	–	100	–
						7		color changes to brownish yellow (10YR 6/6), native					
						8		@ 7.5 Sandstone.					
						9		TD = 7.5', refusal on bedrock, install vapor probe 6.5'-7.5' bgs.					

MWH.

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5CSV-DG-530
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 2
Site: 5C
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

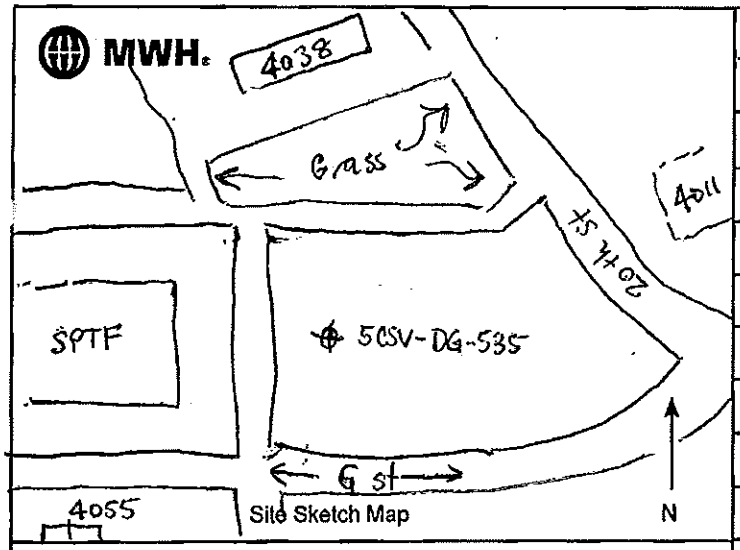
Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

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. Vathanaom	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 Vapor ID: 5CSV-DG-535	Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 1145 / 5-28-14	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 10.0-11.0, 15.0-16.0	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: Dry grass, E of SPTF					
								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 modules, ~~very~~ low to med plasticity clay, fill					
						3							
0.0			NONE			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: 5CSV-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	Medium	Fine	Silt/clay
		24"				10	SM	Same as above - chromogenous fill material.					
1.4						11							
						12							
		36"				13		Grades w/ fine angular gravel and low plasticity clay	10	5	5	35	35/10
			NONE			14		@ 14' grades w/o gravel (Silty Sand w/ clay)	-	-	-	50	30/20
1.8		12"				15	SP	Poorly Graded Sand w/ Silt (SP-SM), very pale brown (10YR 7/4), loose, dry fine sand, silt, micaceous, brownish yellow (10YR 6/8) oxidation, native soil	-	-	-	90	10/
						16	Br						
						17							
						18		Sandstone, weathered					
						19		TD = 16.0 ft; refusal on bedrock - installed 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							

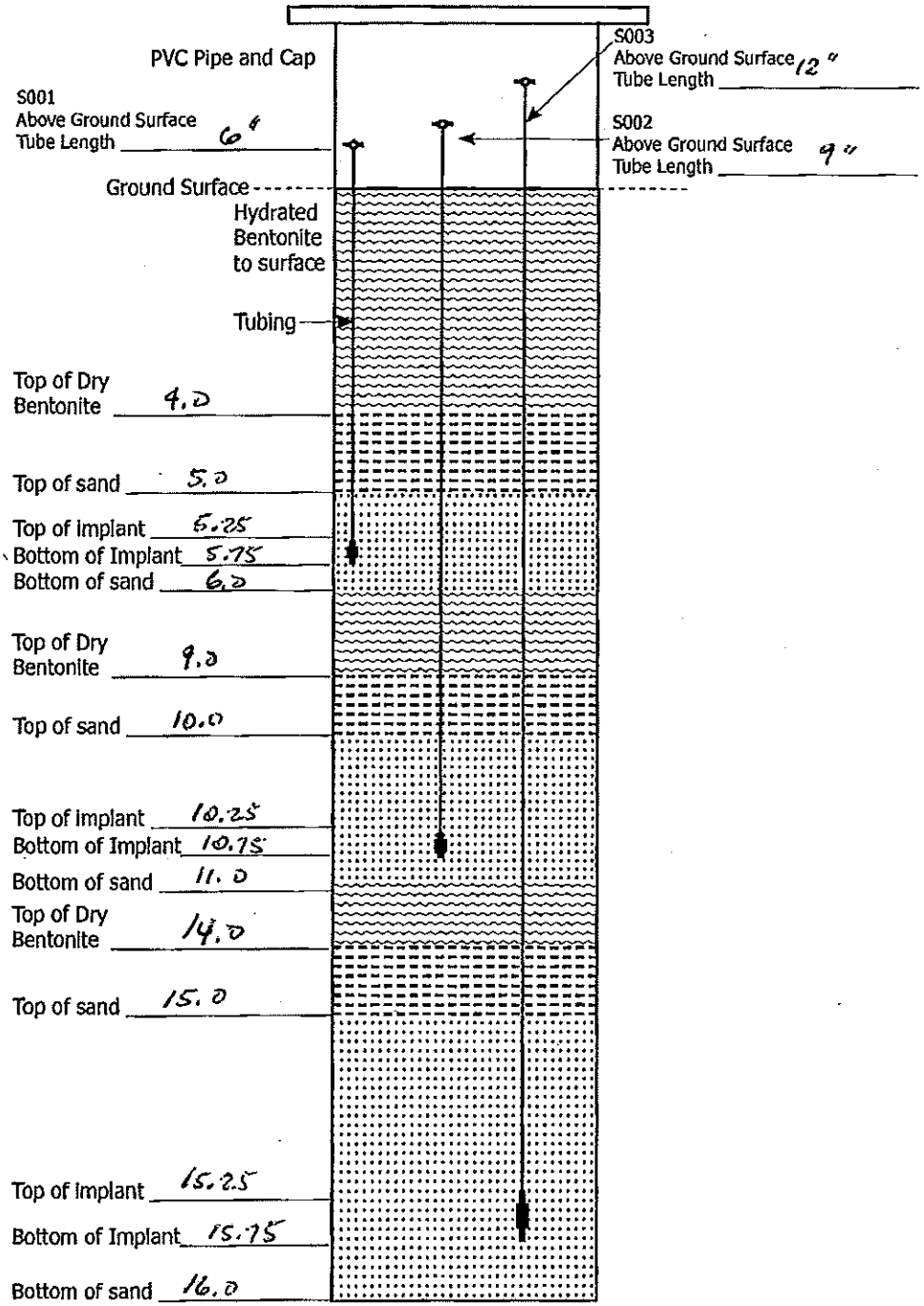
MWH.

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

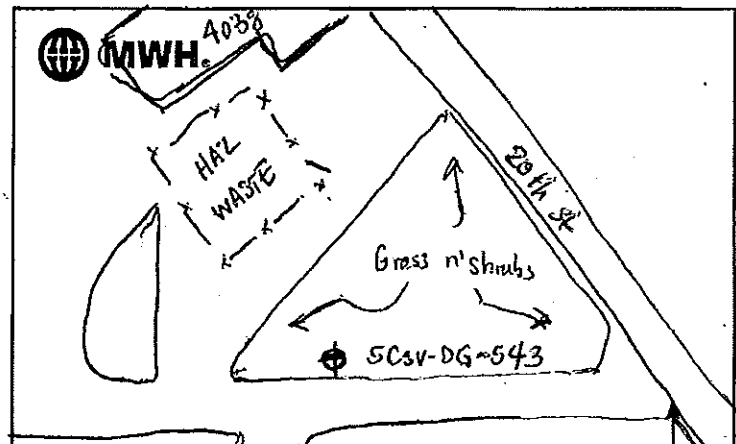
Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

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



Site Sketch Map

Boring ID: 5CSV-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. Vathanosin	Reviewed By:		
Drilling Contractor: EST	Drillers Name: Morgan Hughes		
Drill Rig Type/Method: Geoprobe 5400/OP			
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: 5CSV-~~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 (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: Graded backfill					
								Silty Sand (SM), dark yellowish brown (10YR 4/6), loose, dry, fine sand, non plastic silt, no odors or stains, fill.	–	–	–	60	40/
						1							
								@1.4' becomes slightly stratified with very pale brown (10YR 8/3) nodules (weathered sand?).					
		46"				2							
						3							
						4							
						5							
0.0													
		48"				6							
						7		grades to medium dense, less silt content faint oxidation (brownish yellow (10YR 6/6)), no longer stratified.	–	–	–	70	30/
						8							
						9							

QA/QC
Surficial media boring log rev 2-25-2014

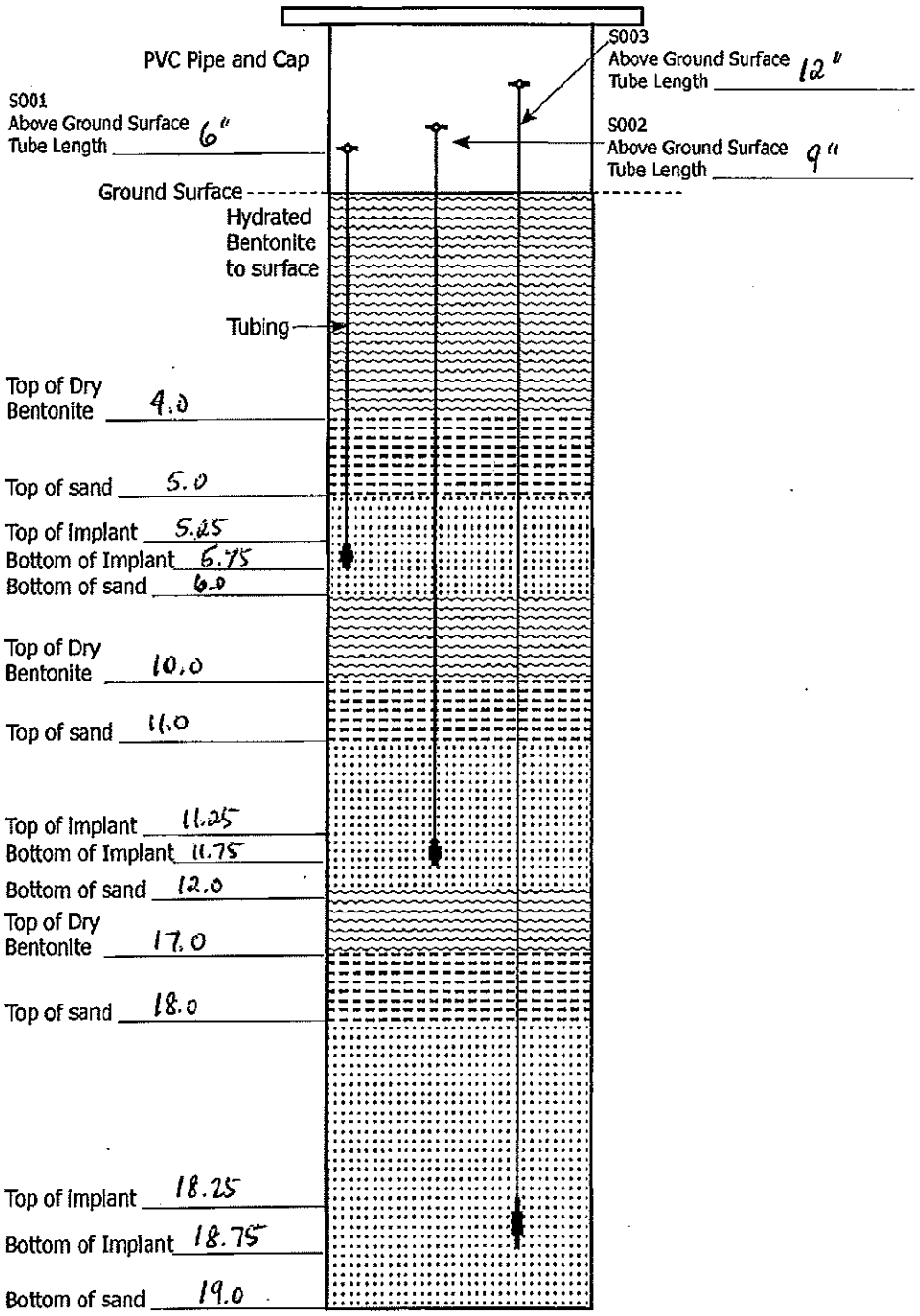
Boring ID: 5CSV- DG-543 Project: Phase 3 DOE SV DG Sampling 2014 Sheet 2 of 2

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	Medium	Fine	Silt/clay
V.V. 0						10	SP	Poorly Graded sand (SP), light yellowish brown (10YR 6/4), loose, dry, fine sand, no odors	-	-	-	100	-
0.0		36"				11	V.V.	~~no stains~~, yellowish brown (10YR 5/6) oxidation,	fill				
						12	SW SM	11.75 - 12.1 = well Graded Sand (SW) medium to fine sand,					
						13		@13' very dark grayish brown (10YR 3/2) staining, ~~light yellowish brown (~~ V.V. Silty Sand (SM)	-	-	30	45	25
		30"				14		dark yellowish brown (10YR 4/6), ~~loose~~ med. dense, dry, fine sand, non-plastic silt, few dark stains, no odors,	V.V. -	-	-	100	-
						15	SP		-	-	-	80	20
		30"				16	SM	@14.5' - 15.1 Poorly Graded Sand (SP) yellowish brown (10YR 5/6), loose, dry, fine sand, native (?), no stains or odors.	-	-	-	~~100~~	- V.
						17		Silty Sand (SM), yellowish brown (10YR 5/4), loose, slightly moist, fine sand, non-plastic silt, very weak silt cement, native soil					
0.0						18							
						19	B1	@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: 5CSV-DG-543
Project: Phase 3 DOE SV DG
Job #: 10503982
Site: SA 5C
Logged by: V. Vathanesin
Reviewed by:
Drilling Contractor: EST
Driller: Morgan Hughes
Rig Type/Method: Geoprobe 5400 / DP
Borehole TD: 19.0 ft
Borehole Diameter: 2.25"
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

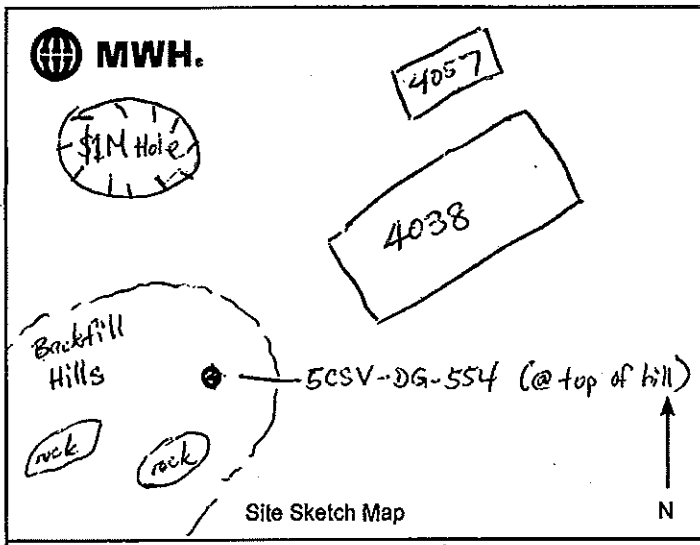
Type: #8
Manufacturer: Cetco

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.



Site Sketch Map

Boring ID: 5CSV-DG-554	Sheet 1 of 2		
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014			
Job #: 10503982.3050105/ 10503982.3060105	Site: 5C		
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 Vapor ID: 5CSV-DG-554	Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A	
Soil Vapor Well Completion Time/Date: 0905 5-29-14	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None		
Soil Vapor Probe Depths (ft.bgs): 5.0 - 6.0 ; 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 Surface Description: On bedrock outcrop	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
		NONE				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
0.0						4		Grades w/o cobbles, color changes to brownish yellow (10YR 6/6)					
		NONE				5							
0.0		NONE				7	ML	Silt (ML), dark yellowish brown (10YR 4/6), med. stiff, dry, non-plastic silt, fill	-	-	-	-	100
						8	SM	Silty Sand (SM) brownish yellow (10YR 6/6), loose, dry, backfill, no stains or odors, backfill.					

Boring ID: 5CSV-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	Medium	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							

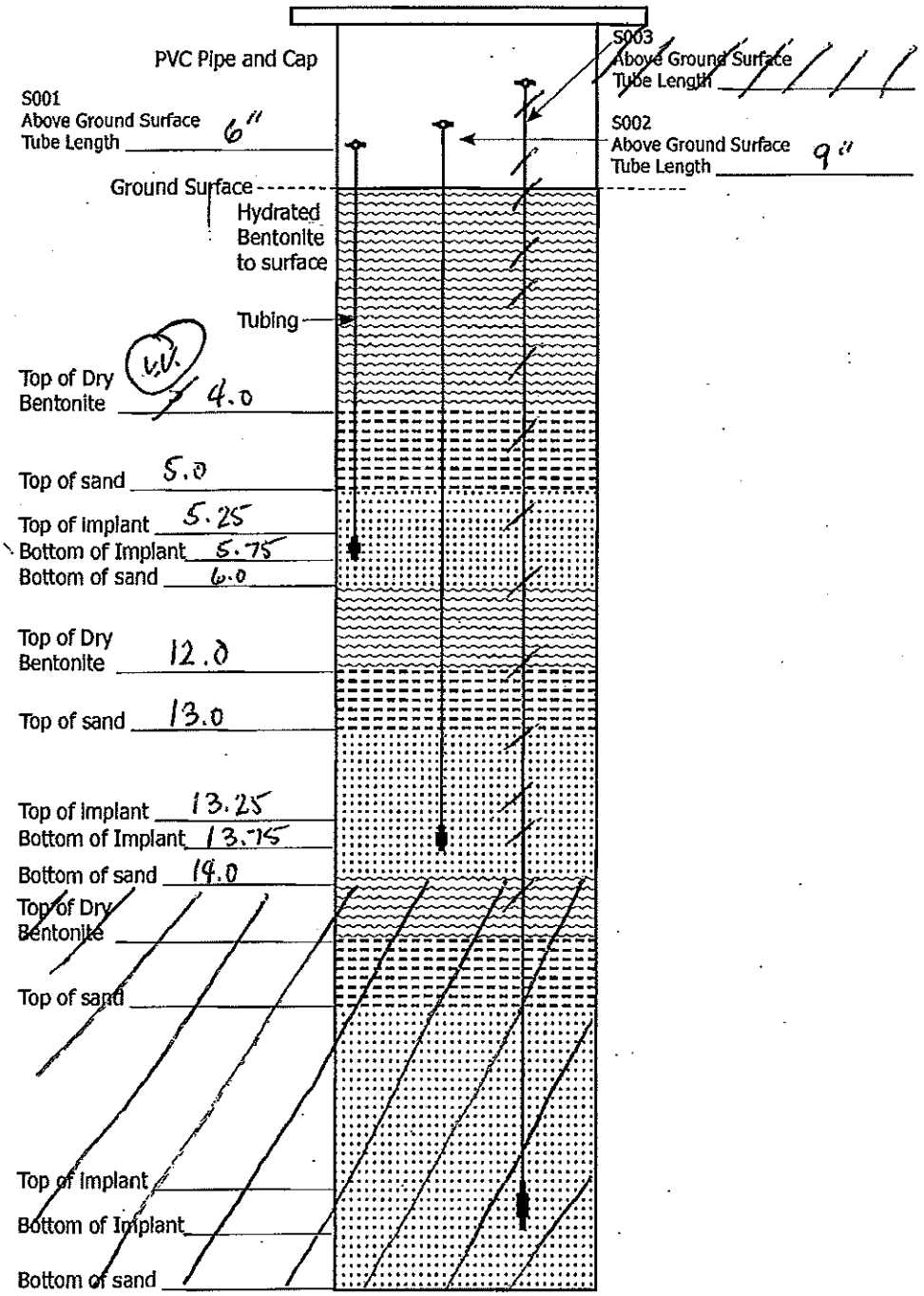
MWH.

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5CSV-DG-554
Site: SA 5C
Drilling Contractor: EST
Borehole TD: 14.0

Project: Phase 3 DOE SVDG
Logged by: V. Vathanazin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 0905 / 5-27-1



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

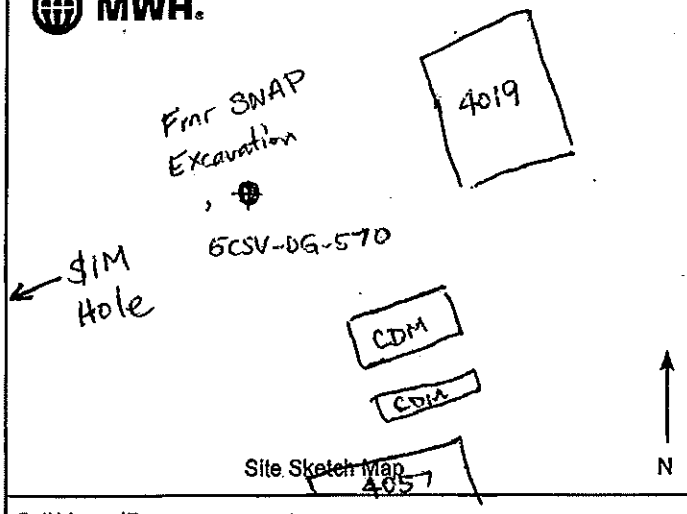
Dry Bentonite
Type: #8
Manufacturer: Cetco

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: 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 Vapor ID: 5CSV-DG-570	Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A	
Soil Vapor Well Completion Time/Date: 1630 / 5-29-14	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, 30.0-31.0, 40.0-41.0	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; Surface Description:	Gravel	Estimated % of Sand: Coarse	Medium	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	ML	@1.7' Silt (ML), dark yellowish brown (10YR 4/4), stiff dry, low plasticity silt, moderate cementation, no stains or odors, fill	–	–	–	–	100/
						2							
						3							
						4	SM	Silty Sand (SM), brownish yellow (10YR 6/6), loose, dry, fine sand, silt, fill	–	–	–	80	20/
0.0						5							
		48"	NONE			6		Grades to → Color changes to yellowish brown (10YR 5/4), Trace subrounded quartz gravel	TR	10	5	55	30/
						7							
						8							
			NONE			9							
		36"											

Cont next page

Boring ID: 5CSV-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	Medium	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.V.)					
						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' ~~cool~~ (V.V.) color changes back to dark yellowish ~~brown~~ (V.V.) brown (10YR 4/4)					
		36"	NONE			21							
						22							
						23							
		36"	NONE			24							
						25		@24.5 fine angular gravel (road base??)					
0.0						26							
		36"	NONE			27	SP	@ Poorly Graded Sand (SP), very pale brown	-	-	20	80	-
						28	SM	(10YR 8/4), loose, dry, fine sand, medium sand, no stains or odors, fill	TR	-	-	70	30/
						29	(V.V.)	@28.5 Silty Sand (SM), brown (10YR 5/3), loose, dry, fine sand, silt, fill trace fine gravel					
						30							

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Boring ID: SCSV-DG-570 Project: Phase 3 DOE 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 (Ei, alluvium, bedrock) (10) Misc. Observations	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.0						30		@30' yellow (10YR 7/6) oxidation.					
		36"	NONE			31							
						32							
						33						0.0	
		36"	NONE									60	
						34		Grades to Silty Sand w/gravel →	10	–	10	70	20/
						35							
						36							
		36"	NONE			37							
						38	SP	Poorly graded sand (SM), light yellowish	–	–	–	100	–
							SM	brown (10YR 6/4), loose, dry, fine sand,	–	–	–	75	25/
						39		fill					
								@38' Silty Sand (SM), brown (10YR 5/3),					
		36"	NONE			40		med. dense, dry, fine sand, non-					
								plastic silt, no odors, yellow stains					
						41		(5Y 7/8), fill					
						42							
						43							
		36"	NONE										
						44							
						45		No refusal! Drilling halted due to lack of drilling mud and time of day					
						6		TD= 45.0; borehole collapsed to ~~44.5~~ 44.0 during trip out. Install vapor probes at 5.0-6.0, 10.0-11.0, 15.0-16.0, 20.0-21.0, 30.0-31.0, 40-41.0. Backfill 41.0 to 44.0 w/ med. chips					
						7							
						8							
						9							

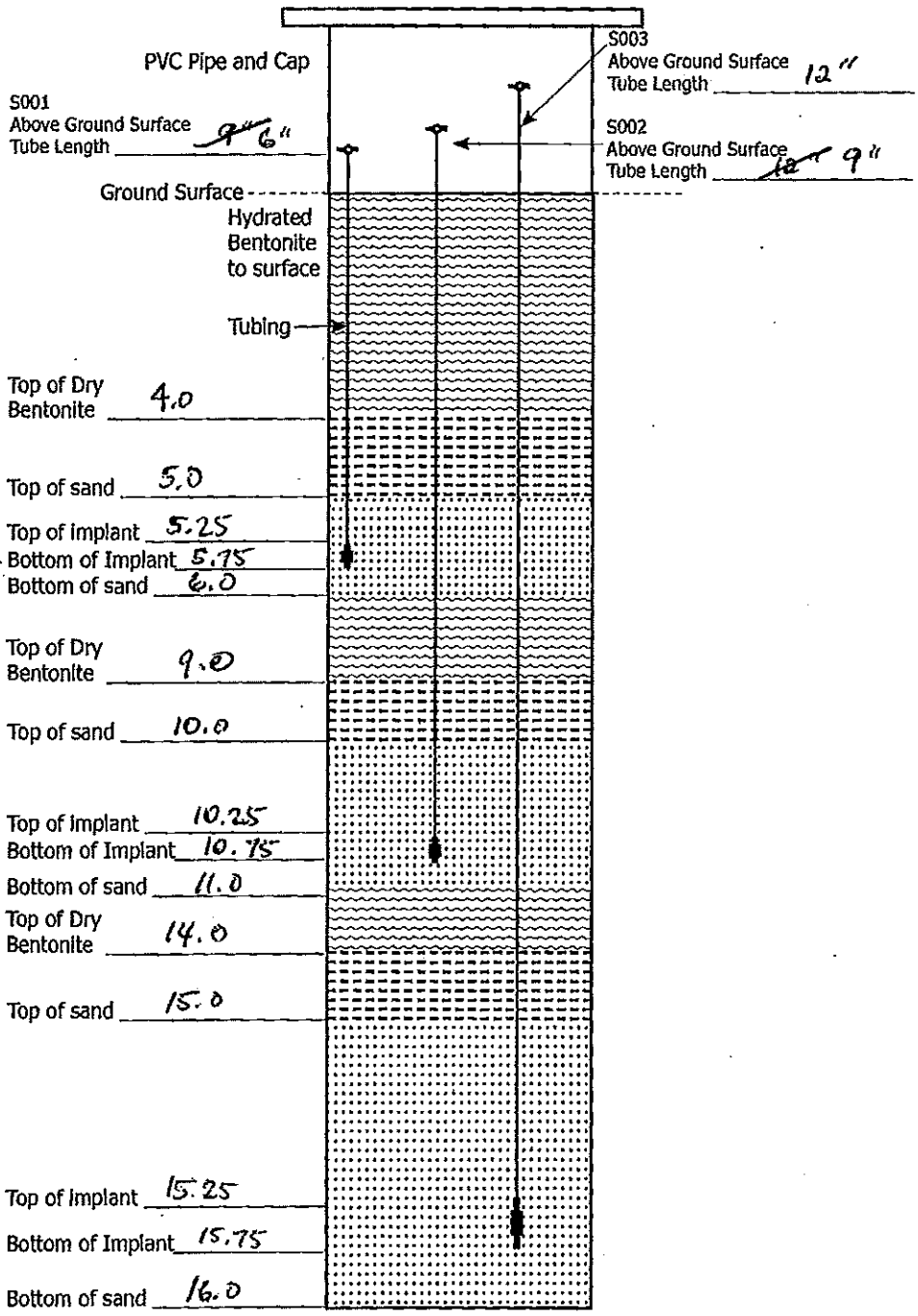
MWH.

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SCSV-DG-570
Site: SASC
Drilling Contractor: EST
Borehole TD: 45.0

Project: Phase 3 DoE 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: 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

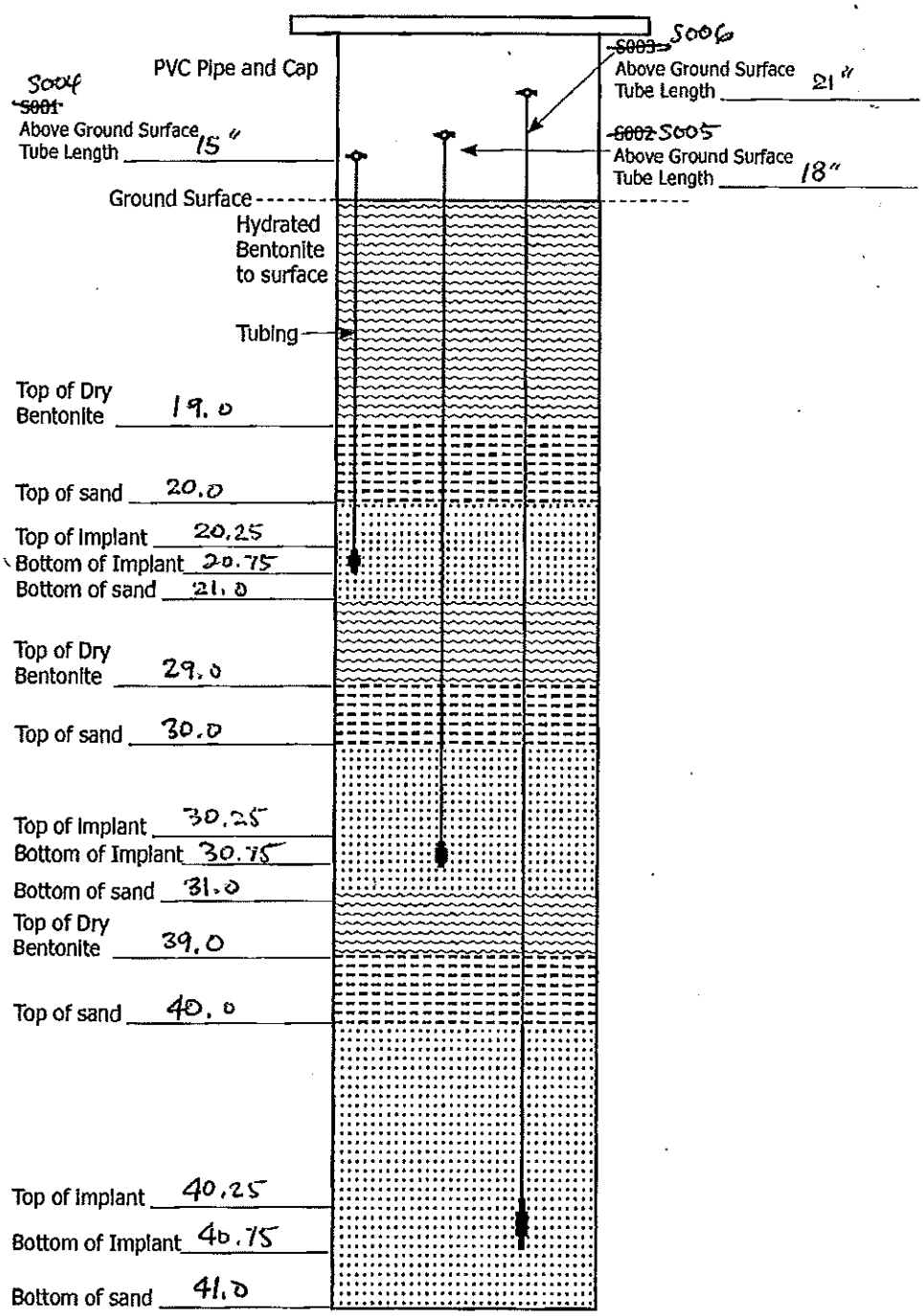
MWH.

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5CSV-DG-57D
Site: SASC
Drilling Contractor: EST
Borehole TD: 45.0

Project: Phase 3 DOE SV DG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe
Probe Completion Date/Time: 1630/5-28-14



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: ~~6"~~ (V.V.) 1/4"
Color: ~~3/8~~ (V.V.) clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

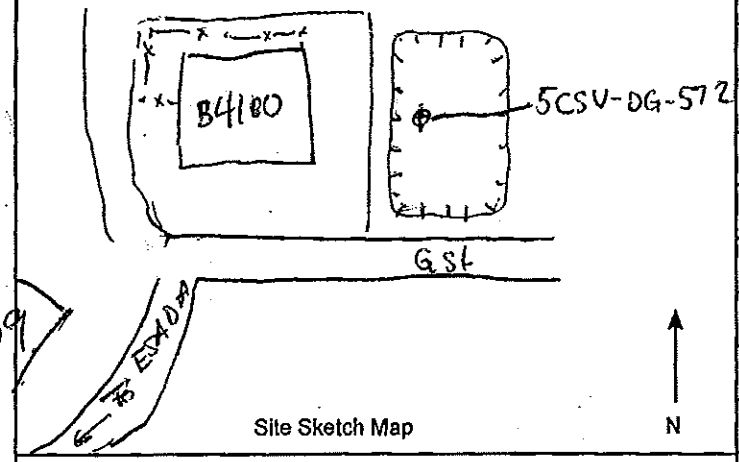
Dry Bentonite
Type: #8
Manufacturer: Cetco

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.



Site Sketch Map

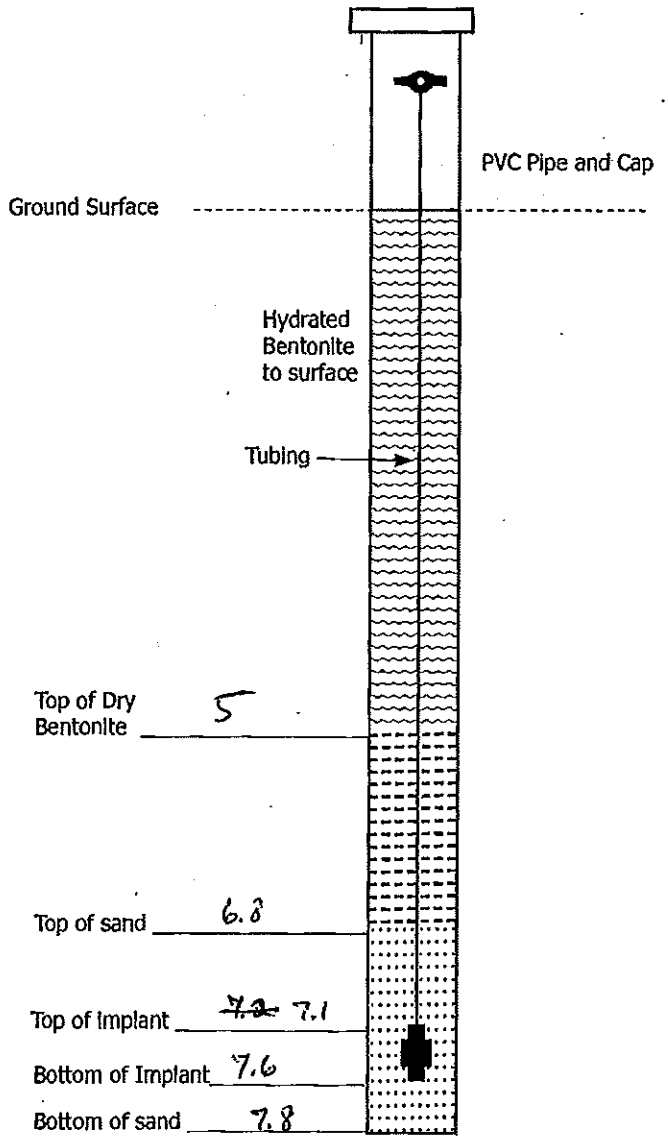
Boring ID: 5CSV-DG-572	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5C
Logged By: V. Vathanagin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400/ DP	
Sampler Type: Macrocore	
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 Vapor ID: 5CSV-DG-572	Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 1326 / 5-20-14	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): 6.8-7.8	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	Medium	Fine	Silt/clay
						0	SM	Surface Description: Grass, in a depression E of B100					
							SM	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"	NONE			6	SM	@5.5 Silty Sand (SM) very pale brown (10YR 7/4) with yellow (10YR 7/8) iron staining.					
						7							
0.0						8		@7.8' Sandstone, weathered.					
						9		TD= 7.8', refusal on bedrock. Install vapor probe at 6.8-7.8 ft bgs.					

MWH.

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5C8V-DG-572
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling
Site: 5C
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: Comery

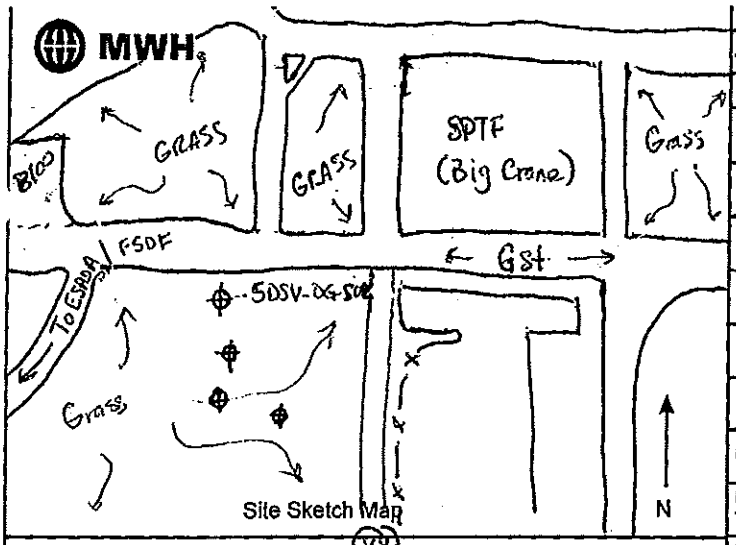
Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:
1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: 5DSV-DG-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. Vatharasu	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 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:	5DSV-DG-~~503~~ 502
Soil Vapor Well Completion Time/Date:	0935 / 5-21-14
Soil Vapor Probe Depths (ft.bgs):	5.0-6.0, 13.0-14.0, 18.0-19.0
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	Gravel	Estimated % of Sand Coarse	Sand Medium	Sand Fine	Silt/clay
								Surface Description: Grass, gravel debris					
						0	GW	Gravel (Road Base) (GW), light gray	100	—	—	—	—
						1	ML	(10YR 7/2), loose, dry, fine to coarse	—	—	—	10	90/
								gravel, fill, no stains or odors,					
		42"	NONE			2		at 2" Silt w/ sand (ML), brown (10YR					
								5/3), very stiff, dry, non-plastic					
						3		silt, fine sand, moderate cementation,					
0.1						4							
								Sandy Silt (ML), pale brown (10YR 6/3),	—	—	—	25	75/
						5		stiff, dry, non-plastic silt, fine sand,					
		24"	NONE			6							
						7							
						8		color changes to brownish yellow (10YR					
							SM	6/6),	—	—	—	70	30
						9		Silty Sand (SM), brownish yellow (10YR 6/6					
								to very pale brown (10YR 7/4), loose, dry					

cont next page

cont 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 (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
		30"	NONE			10		fine sand, non-plastic silt, interlayered color changes, native coal					
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							

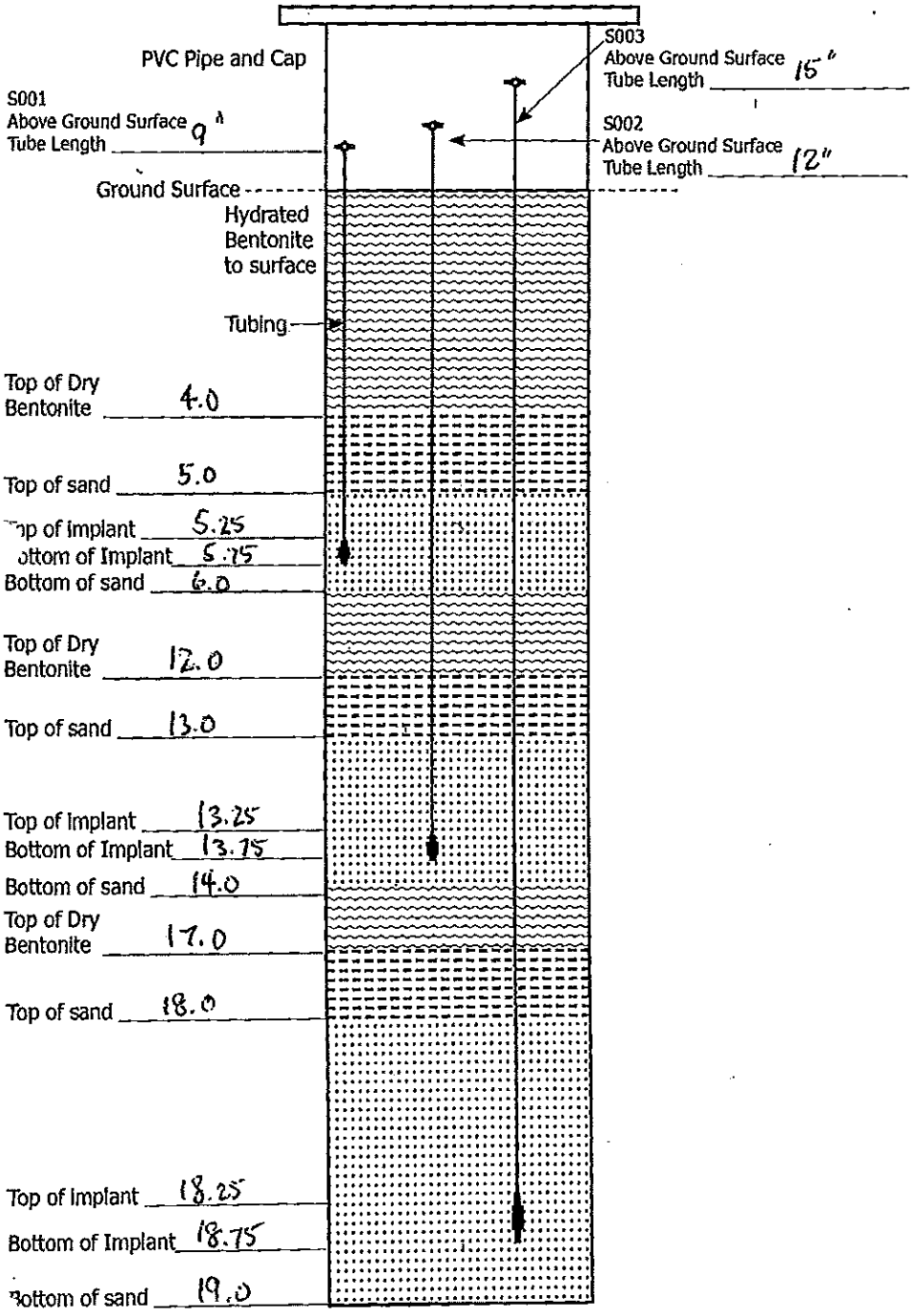
MWH.

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SD3V-DG-502
Site: 3A 5D
Drilling Contractor: EST
Borehole TD: 19.0

Project: Phase 3 DOE SVDG
Logged by: V. Vathanaan
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10509382 (V.V.) 3982
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 0935 / 5-21-14



Vapor Implant Specs (V.V.)

Material: Stainless ~~Stel~~ 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

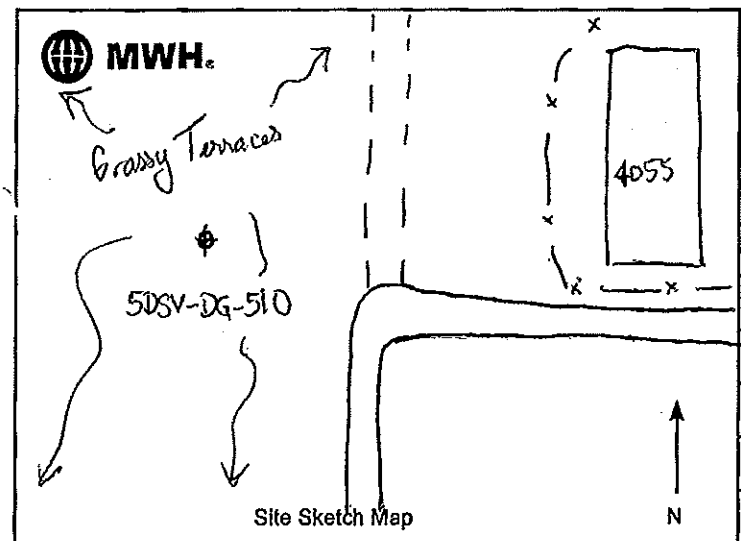
Hydrated Bentonite

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



Site Sketch Map

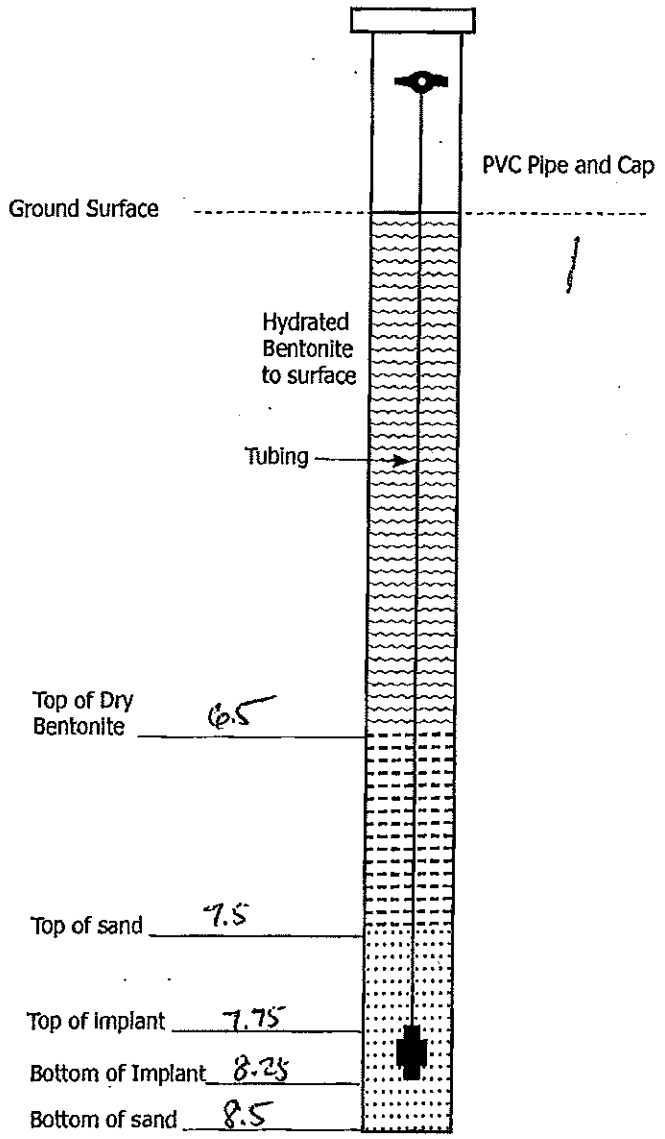
Boring ID: 5DSV-DG-510	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 3A 5D
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
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 — Surface Description: In depression, grassy	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						0	SM	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		@ 1.5' grades w fine angular gravel	10	10	30	20	30
						2	CL	Clay (CL), brown (10YR 5/3), stiff, moist, medium plasticity clay (lean), weathered qtz and clay grains, no stains or odors, fill	—	-	10	-	90
0.0						3							
						4		@ 4.5' Silt w/ clay (ML), brownish yellow (10YR 5/6), stiff, ~~dry~~ (Dv) to very slightly moist, low to non-plastic fines, white (10YR 8/1) streaks (weathered qtz), 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		6"				8							
						9		@ 8.5 Sandstone. TD= 8.5'. Refusal on bedrock. Install vapor probe at 7.5-8.5'					

MWH.

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5DSV-DG-510
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling
Site: 3A5D
Reviewed by:
Logged by: V. Vathanosin
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

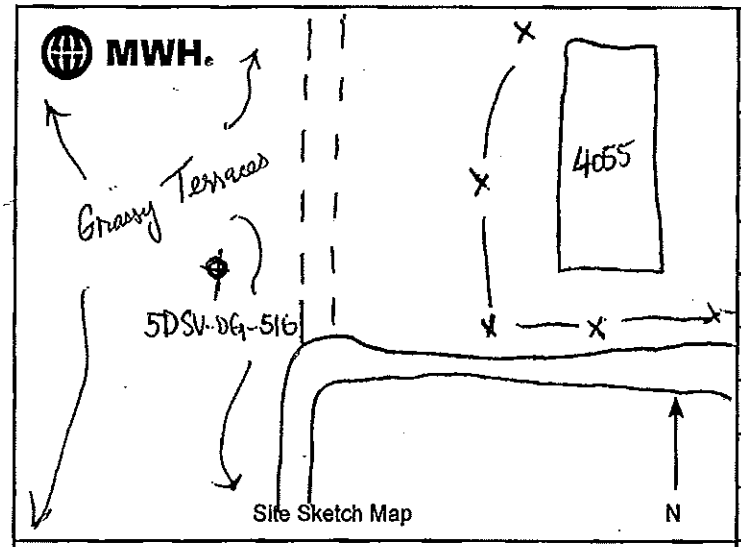
Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1



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-~~24~~ 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: 10:19 / 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; Surface Description: Grass	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						0	ML	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.) ~~Clay~~ Fat Clay (CH), brown (10YR 4/3), stiff, moist, medium to high plasticity clay, trace ~~interbedded~~ (V.V.) fine granitic gravel, fill	TR				
		40"				5							
						6	CL ~~SC~~ SW-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						(V.V.) 7	CH						
						8		@6.25 – Same as 4 ft.					
						9		@ 8' 1.5-inch granodiorite (?) gravel					
		30"											

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	Estimated % of Gravel	Sand Coarse	Sand Medium	Sand Fine	Silt/clay
						10							
						11	CL	Silty Clay (CL), dark yellowish brown (10YR 4/6), stiff, dry, medium plasticity, clay and silt, native soil	--	--	-	-	30/70
		34"	NONE			12							
						13							
0.0		24"	NONE			14	SM	Silty Sand (SM), light yellowish brown (10YR 6/4), loose, dry, fine sand, non-plastic silt, non-cemented, native soil	--	-	-	60	40
						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							

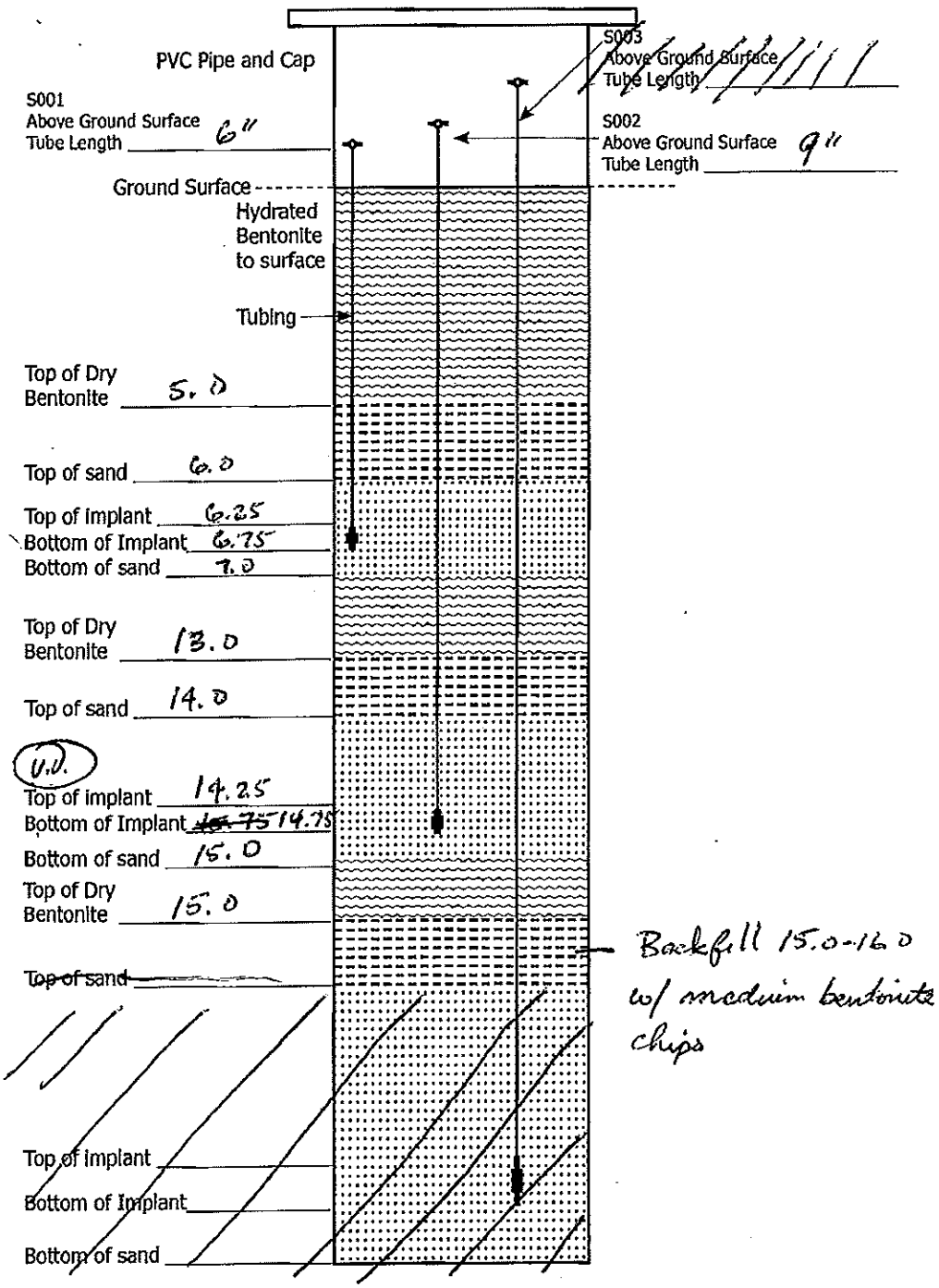
MWH.

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SDSV-DG-516
Site: 3A 5D
Drilling Contractor: EST
Borehole TD: 16

Project: DOE Phase 3 SVDG
Logged by: V. Vathanavin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503982
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

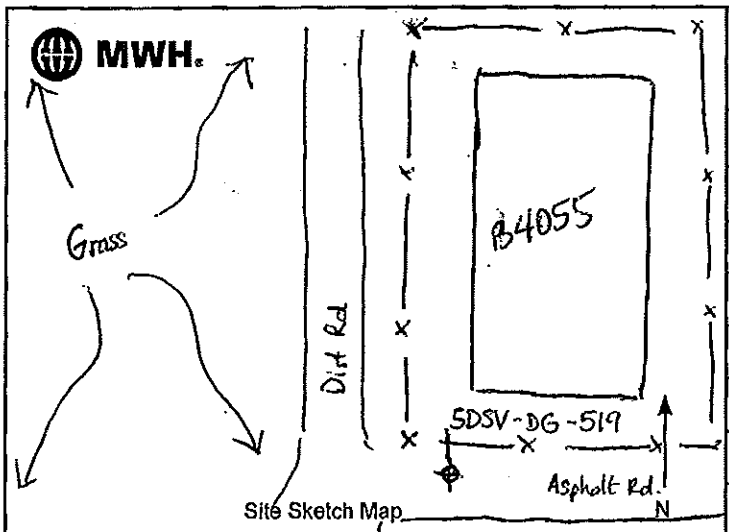
Dry Bentonite
Type: #8
Manufacturer: Cetco

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

Soil Description
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 6) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Asphalt

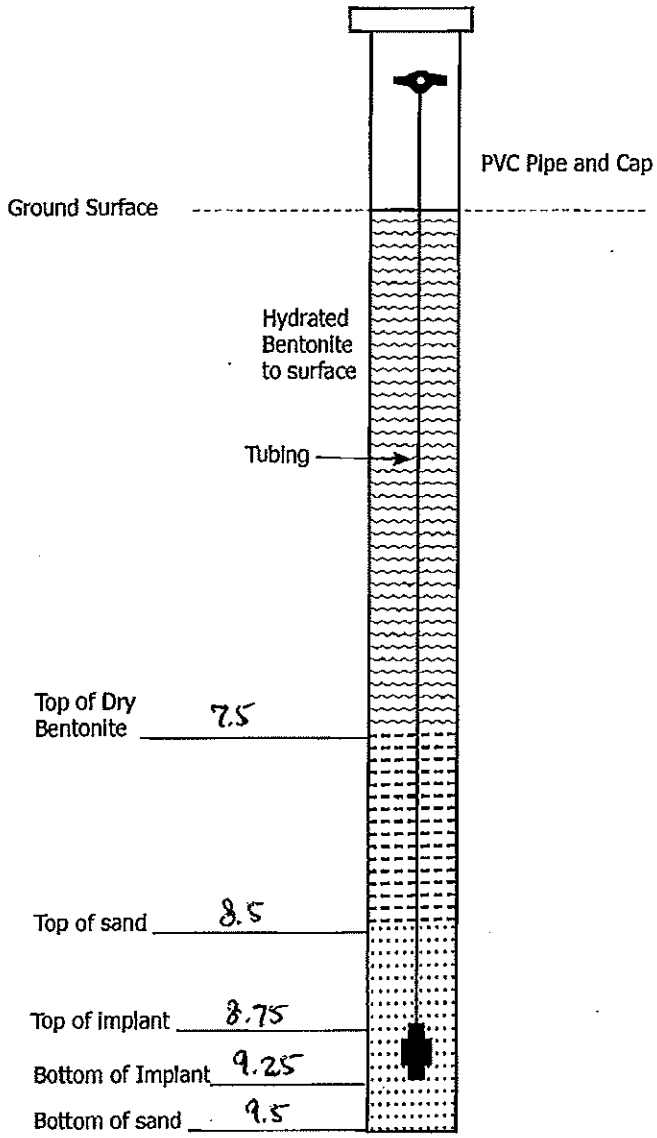
PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0		9" Asphalt					
						1	CL	Clay (CL), very dark gray (10YR 3/1), med. stiff, moist, medium plasticity clay, asphalt staining, faint asphalt odors, fill	-	-	-	-	/100
		48"	NONE			2							
						3		color changes to yellowish brown (10YR 5/4)					
00						4							
						5		trace gravel	TR	-	-	-	/100
		45"	NONE			6		color lightens to brownish yellow (10YR 6/6)					
						7	CL	Sandy Clay (CL), yellowish brown (10YR 5/4), med. stiff, dry, low plasticity clay & fine sand, white streaks (10YR 8/1), @8.5 Very dark gray (10YR 3/1) stains, no odor					
00						8							
						9			-	-	-	65	35
							Br	@9.0 ft Silty Sand (SM), v. pale brown (10YR 7/3) fine to [illegible] sand silt					

*TD = 9.5 ft. Refusal on bedrock. Installed probe 8.5-9.5'

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

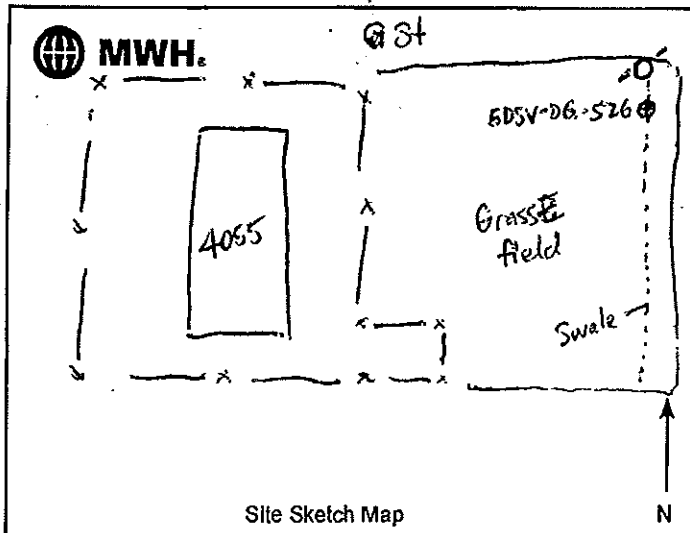
Dry Bentonite
Type: #8
Manufacturer: Cetco

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: ~~A~~ UV 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

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: N. flowing drainage swale

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	Medium	Fine	Silt/clay
						0	ML	Silt (ML), brownish yellow (10YR 6/6), stiff, dry, low plasticity (UV) 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	Silty Sand (SM), very pale brown (10YR 7/4)	-	-	-		
0.1		6"				9	Br	with brownish yellow staining (10YR 6/6), med stiff, dry, fine sand, non-plastic silt, native soil					

TD = 8.5', refusal on bedrock. Install probe 7.5 - 8.5

@ 8.5' Sandstone

QA/QC

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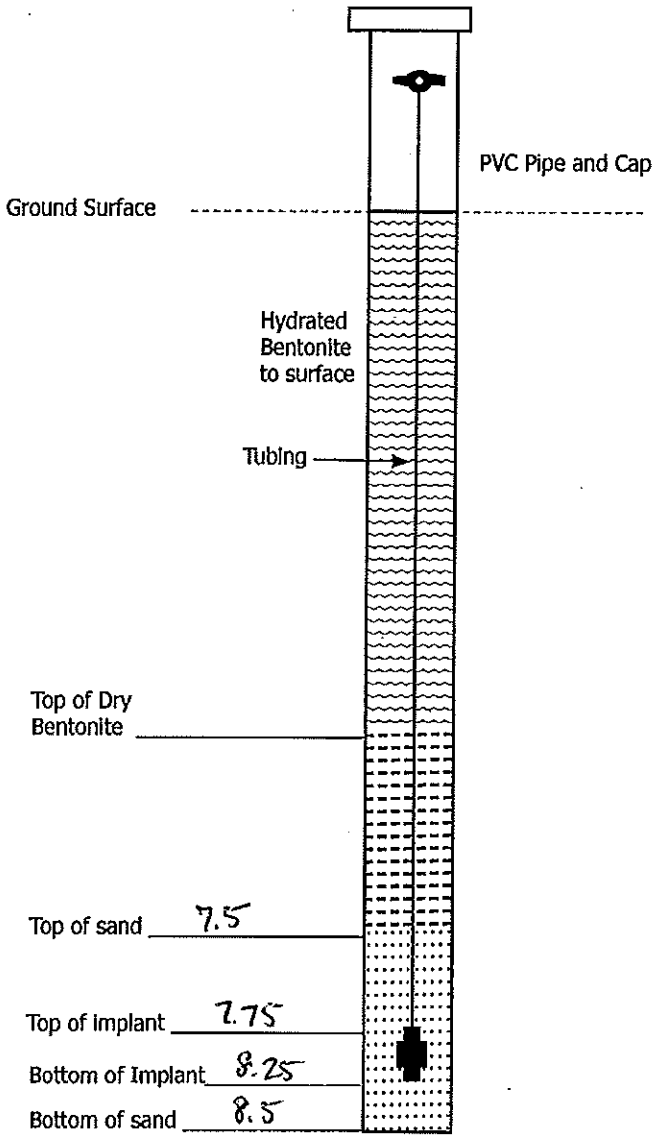
MWH.

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5DSV-DG-526
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling
Site: 3A 5D
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

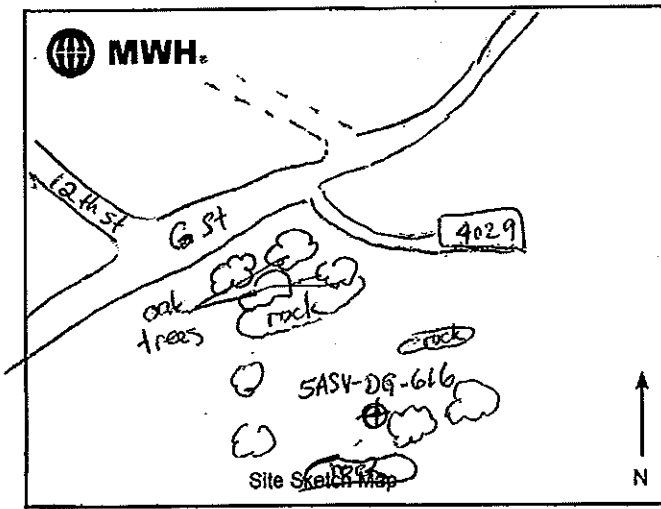
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

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 (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	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							
		42"				5	SP-SM	Poorly Graded Sand w/ Silt (SP-SM) yellowish brown (10YR 5/6), loose, dry, fine sand, silt, native soil	–	–	–	70	30
						6		@6' color changes to brownish yellow, minor reddish yellow (7.5YR 7/6) iron stains (N.V.)					
						7							
						8	Br	Sandstone, weathered.					
						9							

QA/QC
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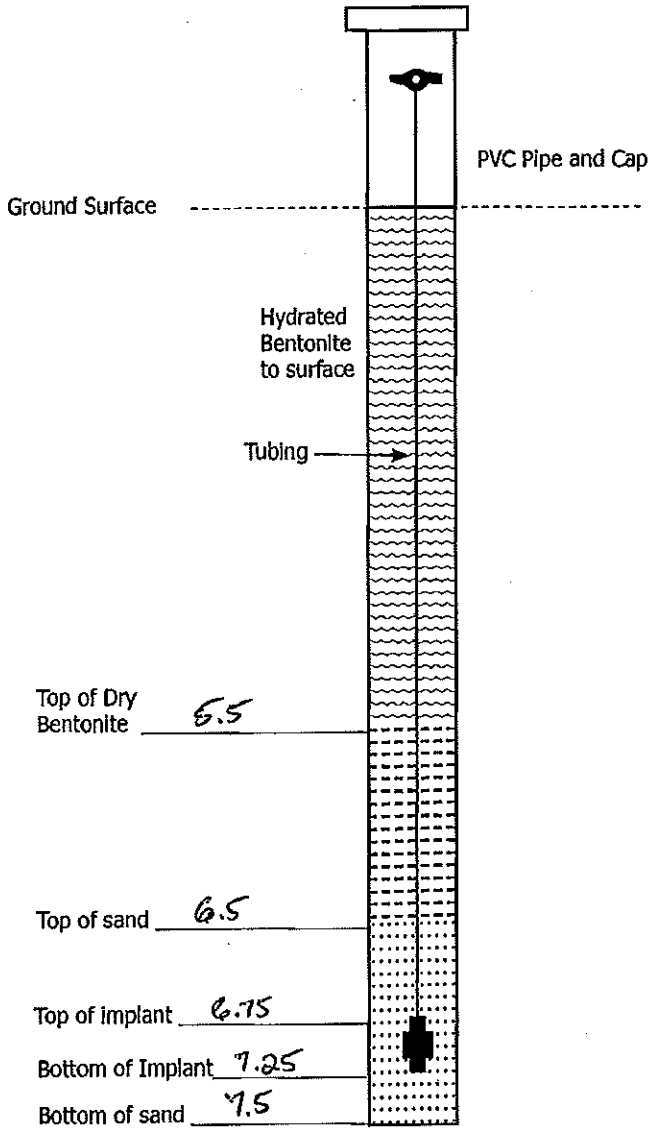
MWH.

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

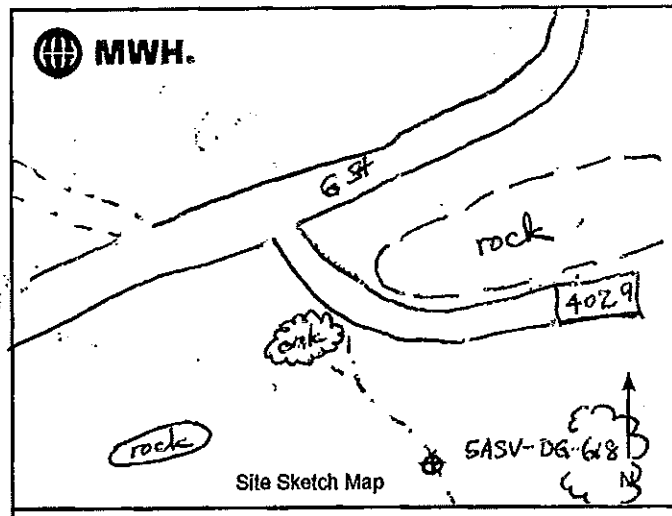
Dry Bentonite
Type: #8
Manufacturer: Cetco

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 — Backfill Material:
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	Medium	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"	NONE			5	SP	Poorly Graded Sand (SP), brownish yellow (10YR 6/6), loose, dry, fine sand, trace silt, weak, roots, fill.	-	-	-	100	TR/
						6	WB	5.5-6.0 - Clump of silty sand w/ roots					
						7		Weathered bedrock - Shale & mud. to high plasticity clay, fissile.					
						8		TD=7.0, refusal on shale bedrock, backfill w hydrated chips to 6.0 ft and install vapor probe 5.0-6.0 ft					
						9							

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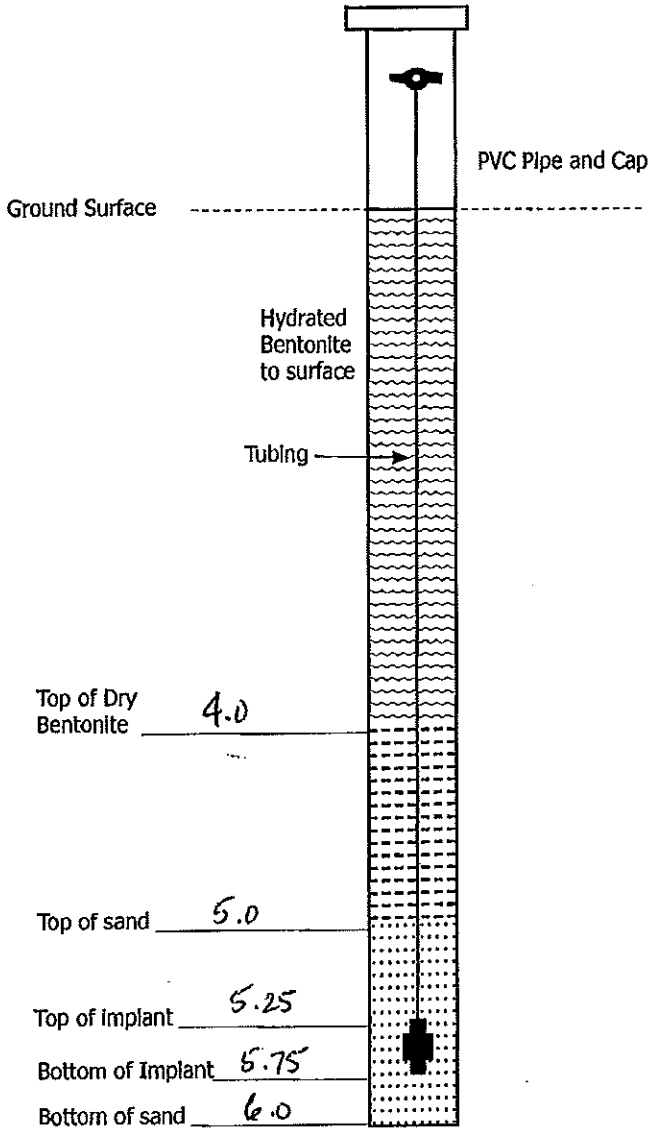
MWH.

Single Soil Vapor Probe Construction Diagram

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

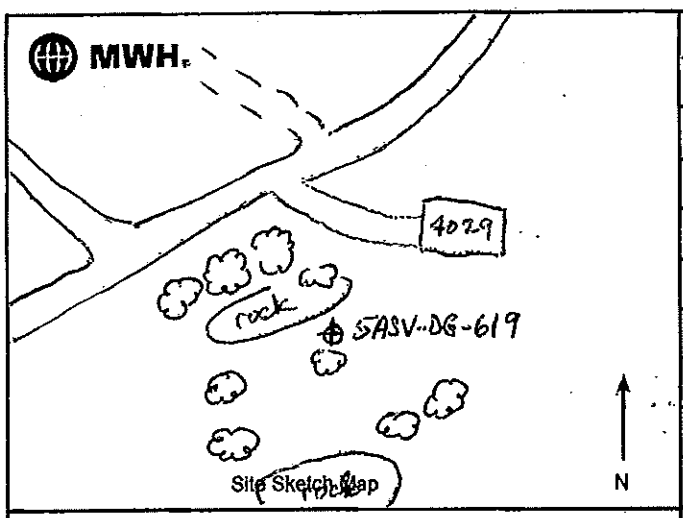
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

* 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.



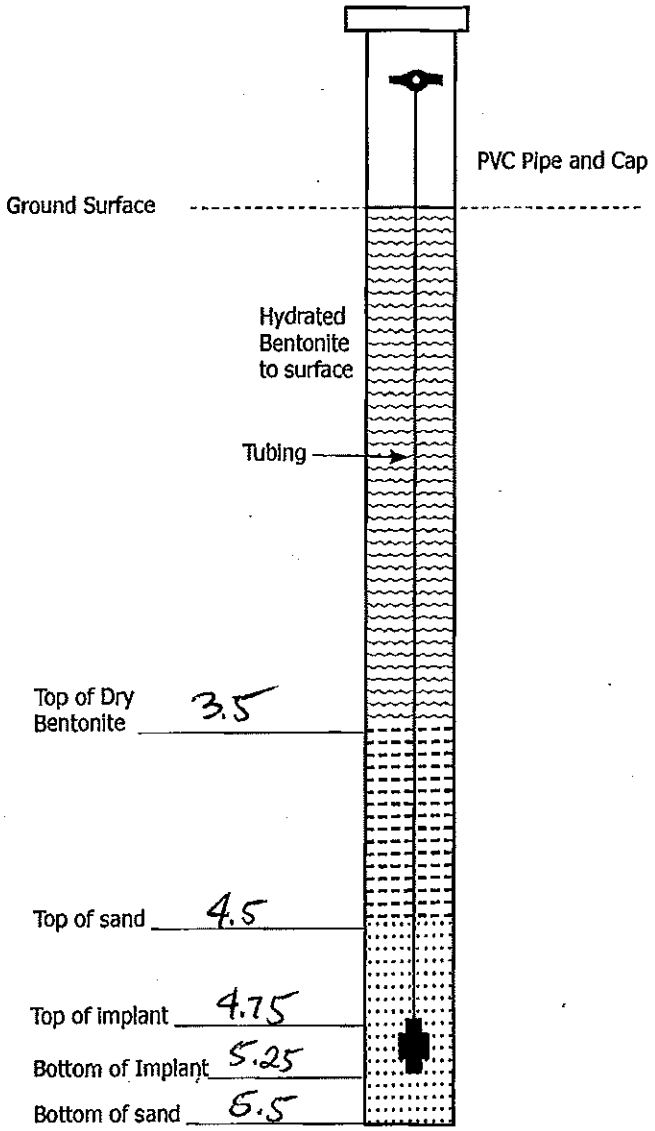
Boring ID: 5ASV-DG-619	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5A
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method:	
Sampler Type: Macro core	
Borehole Diam (inch): 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: 5ASV-DG-619	Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 1216/6-6-2014	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 (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	Medium	Fine	Silt/clay
	X					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
	X	45"				1							
	X		NONE			2							
0.0						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
	X	30"				4							
	X		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
0.0	X					6	Br	Shale, weathered.					
						7							
						8		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					
						9							

MWH.

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5ASV-DG-619
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: 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

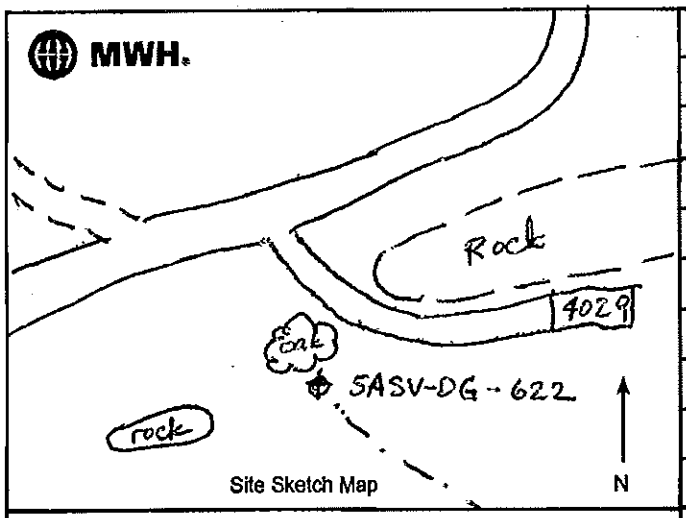
Dry Bentonite
Type: #8
Manufacturer: Cetco

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: 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: 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
Soil Vapor Well Completion Time/Date: 1110 / 6-6-14	Backfill Material: N/A
Soil Vapor Probe Depths (ft.bgs): 6.0 - 7.0	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Well Detail Completed (yes/no)	Surface Completion:
	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

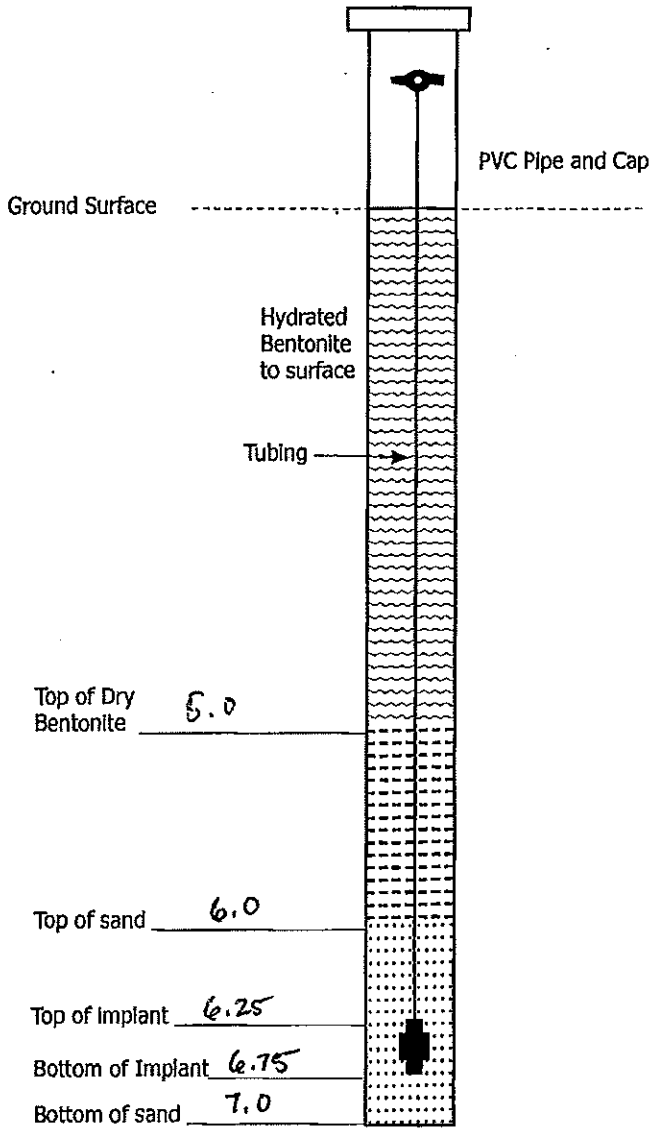
Surface Description: ~10' from culvert, asphalt chunks

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	Medium	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			2		@2' color changes to yellowish brown (10YR 5/4), grades w/ med. sand, fill	–	–	15	50	35
0.0						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	Sandstone, weathered. TD = 7.0, refusal on bedrock, install probe at 6.0 - 7.0.					
						8							
						9							

MWH.

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5ASV-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

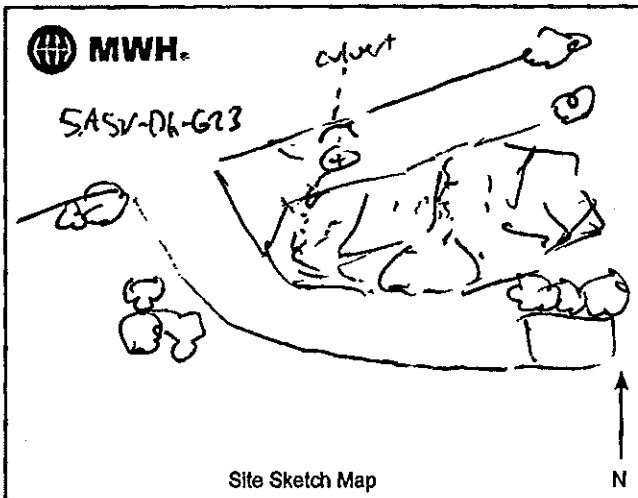
Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:
1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

Boring ID: 5A SV DA-623	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5A
Logged By: JGM Ellis	Reviewed By:
Drilling Contractor: EJT	Drillers Name: Michael Hughes
Drill Rig Type/Method: Geoprobe 5400	
Sampler Type: Bucket Auger 1 of 2b	
Borehole Diam (inch): 3.5"	Total Depth (ft.bgs): 1.5'
Drill Bit Type: Bucket auger	
Drill Start Time/Date: 09 JUN 14 13:05	Drill Finish Time/Date: 09 JUN 14 13:25
Soil Vapor ID: N/A	Soil Boring Backfill Time/Date: 09 JUN 14 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 (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: drainage; eff of culvert	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.0	X	16"				0	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 sd coarse sand - No stain, no odor. Possible native.		TR	TR	85	15
0.0	X				TD 1.5'	1							
						2							
						3							
						4		TD = 1.5' bgs w/ refusal on sandstone bedrock					
						5							
						6		Backfilled at 13:26 w/ soil cuttings.					
						7		Stepped out to (5) and (E) to confirm, refusal at 12"					
						8							
						9							

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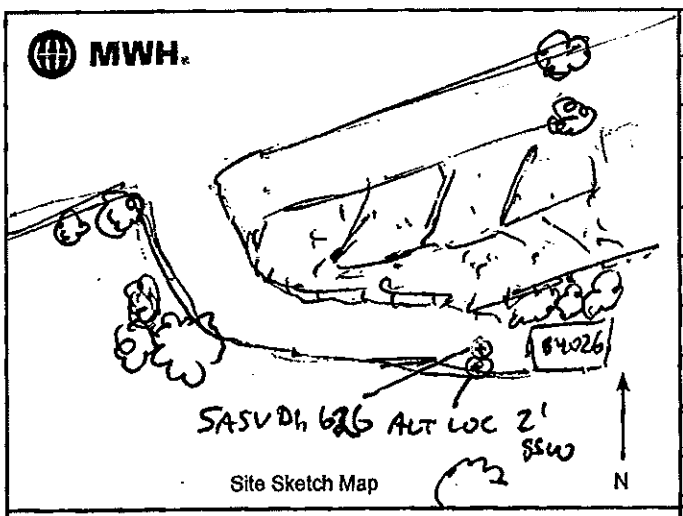
Surficial media boring log rev 2-25-2014

MWH.



Site Sketch Map

Boring ID: SASV DG-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: 09 JUN 14 11:35	Drill Finish Time/Date: 09 JUN 14 11:41
Soil Vapor ID: SASV DG-626	Soil Boring Backfill Time/Date: N/A
Soil Vapor Well Completion Time/Date: 09 JUN 14 - 11:55	Backfill Material: N/A
Soil Vapor Probe Depths (ft.bgs): 5.5 - 6.5	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Well Detail Completed (yes/no): attached	Surface Completion: SV probe
	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description used aft 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

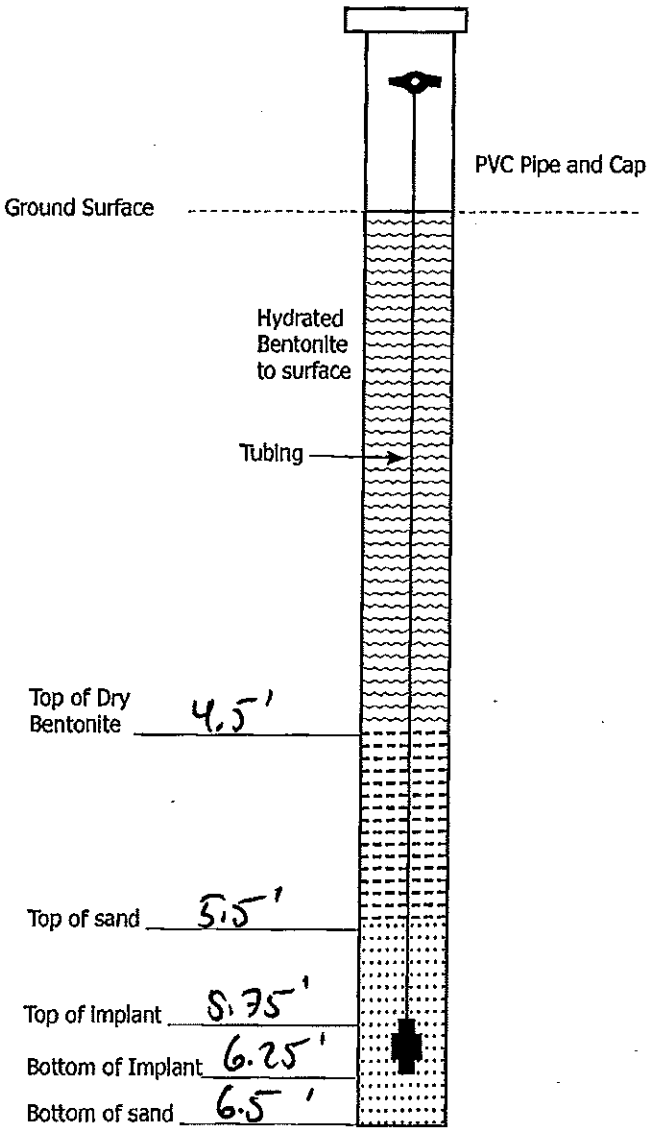
Surface Description: Asphalt

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
		40"				0		0.0 - 0.35 4" asphalt					
							SM GP	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 as base., few coarse sand (10). No stain, no odor. Fill.	20	10	-	40	30
						2							
						3							
		28"				4	SM	0.9 - 2.3 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
						5							
						6							
						TD = 6.5'							
TD = 6.5' bgs w/ refusal on sandstone bedrock								2.3 - 6.5 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
						8							
						9							

MWH.

Single Soil Vapor Probe Construction Diagram

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: Rob Ellis
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

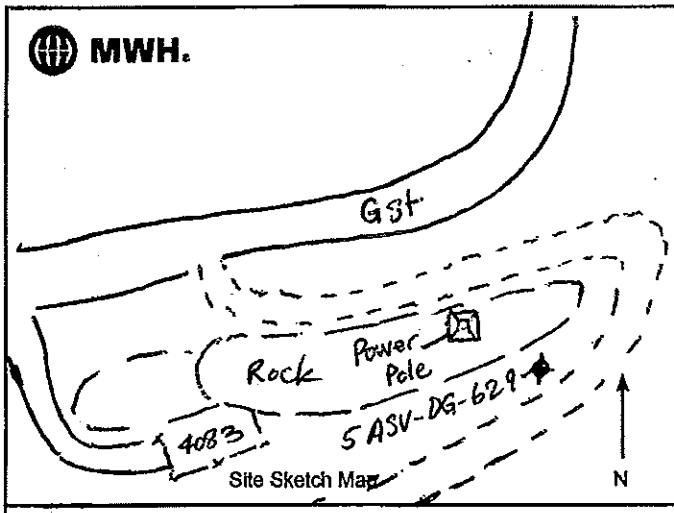
Dry Bentonite
Type: #8 bent crumbles
Manufacturer: Cetco

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

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: Veg. cleared, @ base of rock outcrop	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
	X					0	SM	Silty Sand (SM), yellowish brown (10YR 5/4), loose, dry, fine sand, non-plastic sand, no odors or staining, fill	-	-	-	65	35/
	X	48"	None			2		@2 color changes to brownish yellow (10YR 6/6), slightly more silty, native soil.				60	40/
	X	48"	None			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.					
						8	Br	Bedrock, sandstone, weathered T.D = 8.0, refusal on bedrock, install probe 7.0 - 8.0					

QA/QC
Surficial media boring log rev 2-25-2014

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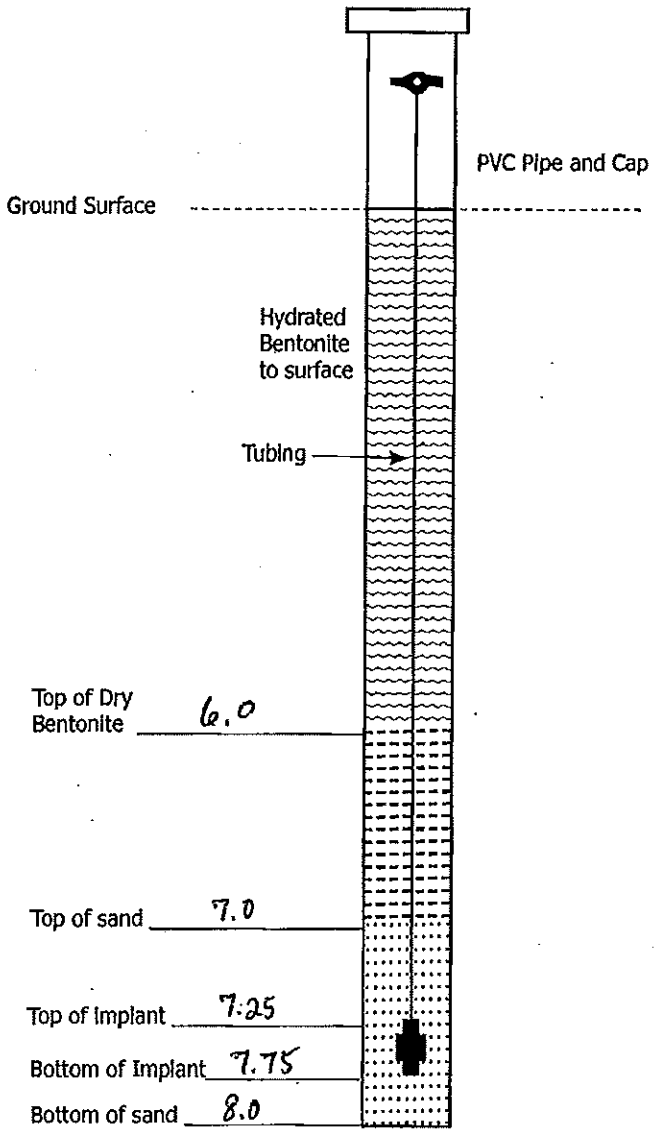
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5ASV-DG-629
Site: 5A
Drilling Contractor: EST
Borehole TD: 8.0

Job #: 10503982.3050105/10503982.3060105
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 0830 / 6-6-2014

Project: Phase 3 DOE Data Gap Sampling
Logged by: V. Vathanasin
Driller: Morgan Hughes
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

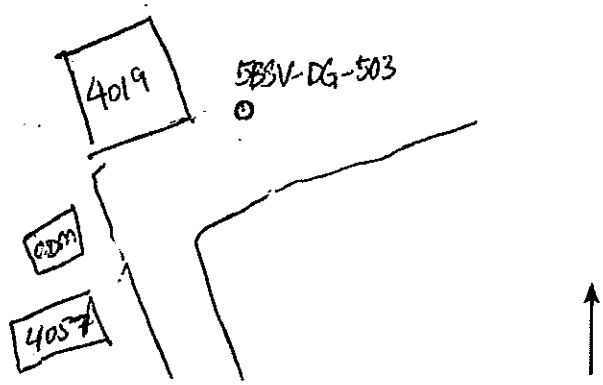
Dry Bentonite
Type: #8
Manufacturer: CETCO

Hydrated Bentonite
Type: #8
Manufacturer: CETCO

Notes:
1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

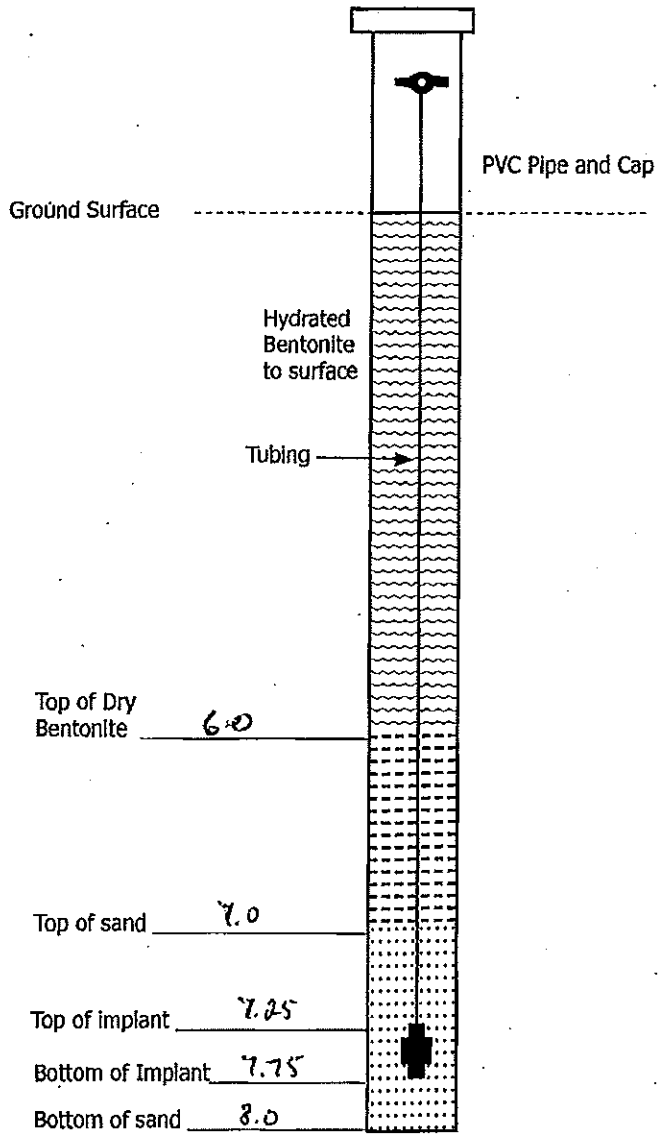
Boring ID: 5BSV-DG-503	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3060105/ 10503982.3060105	Site: 5B
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch) 2.25"	Total Depth (ft.bgs) 8'
Drill Bit Type: Macrocore	
Drill Start Time/Date: 13:30 / 5-12-14	Drill Finish Time/Date: 13:55 / 5-12-14
Soil Vapor ID: 5BSV-DG-503	Soil Boring Backfill Time/Date: / Backfill Material:
Soil Vapor Well Completion Time/Date: 5-12-14 / 14:25	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): 7.0-8.0'	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 (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
								Surface Description: Unpaved Road.					
0.0	X					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
	X	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							
						6	SM	@5.5' Silty Sand, grades w/o gravel and color changes to brown (10YR 5/3), moist fine sand and silt.	—	—	—	60	40
						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.					

MWH

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5BSV-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

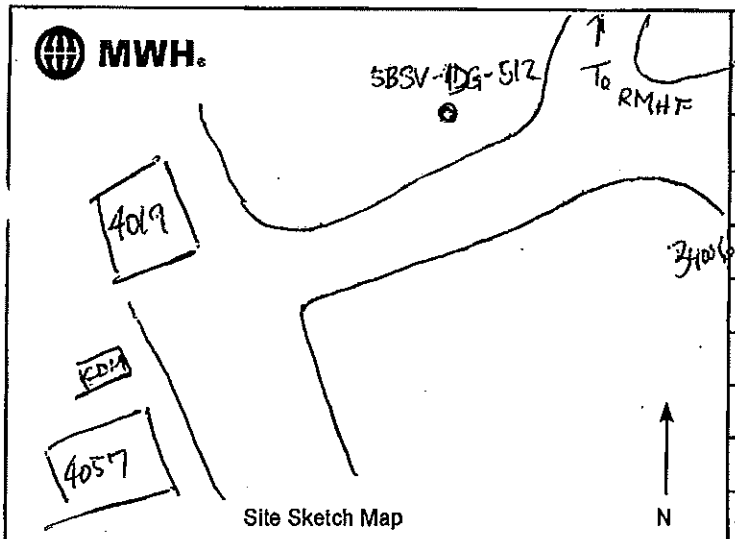
Type: #8
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

Boring ID: 5BSV-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. Vathonasin	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 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	

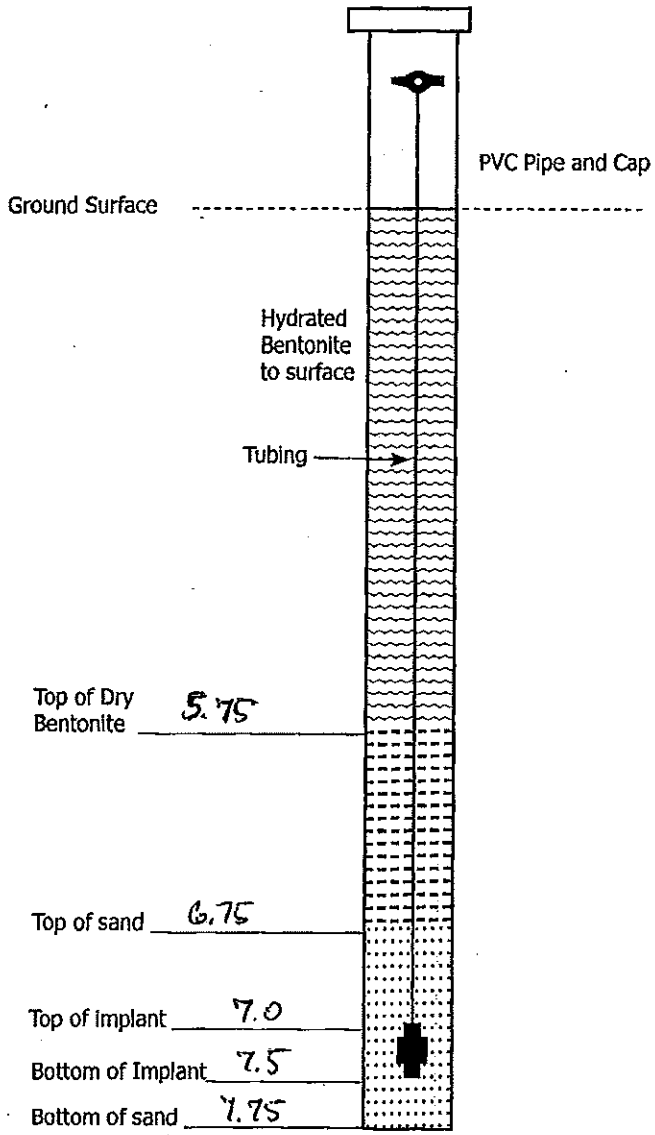
Soil Vapor ID:	5BSV-DG-512-6.75-7.75
Soil Vapor Well Completion Time/Date:	15-13-14
Soil Vapor Probe Depths (ft.bgs):	6.75-7.75
Soil Vapor Well Detail Completed (yes/no)	yes

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
								Surface Description: ~~Graded~~ Graded, 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							
							SM						
						3		Grades to Silty Sand (SM), [No gravel					
								@ 3.5' Minor iron staining					
						4							
0.0								@ 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
						5							
		48"	NONE					@ 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.					
						6							
						7							
						8	Br	@ 8' Shale					
								TD = 8 ft, refusal on shale bedrock.					
						9		Hole collapsed to 7.75 ft bgs.					
								set probe (V.V.) @ 6.75-7.75 ft bgs					

MWH.

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SB3V-DG-512
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 2
Site: 5B
Reviewed by:
Logged by: V. Vathonasin
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

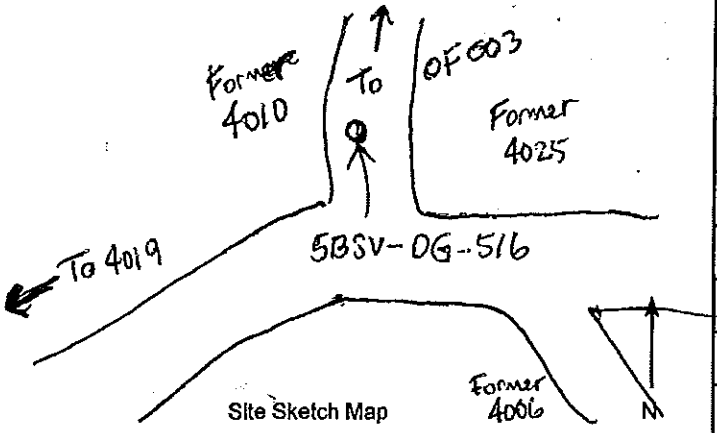
Dry Bentonite
Type: #8
Manufacturer: CETCO

Hydrated Bentonite
Type: #8
Manufacturer: CETCO

Notes:
1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

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. Vathanavin	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 Vapor ID: 5BSV-DG-516	Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 1251 / 5-12-14	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): 6.0-7.0, 12.5-13.5	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: Gravel road

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	Medium	Fine	Silt/clay
						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
0.0		*	Hand auger to 5' due to utilities			1							
						2	SP	soil becomes loose, grades w/o gravel	–	30	70	–	–
						3	SW	@ 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							
						5	SM	@ 3' Well Graded Sand (SW), light yellowish brown (10YR 6/4), loose, dry, fine to coarse sand, friable, fill. low recovery	–	–	–	60	40
		36"				6							
						7		@ 4.5' Color Changes to (1) very pale brown (10YR 7/4) ... Silty Sand (SM), dark brown (10YR 3/3), loose, dry, fine sand, non-plastic silt, non-cemented, fill, minor dark staining no odors	–	–	–	60	10/30
3.0						8							
						9		@ 6' color change to pale brown (10YR 7/3) @ 9.25'	–	–	–	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 (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 Sand: Gravel	Coarse	Medium	Fine	Silt/clay
	X	48"				10		@ ~~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~~ (Vv) 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							

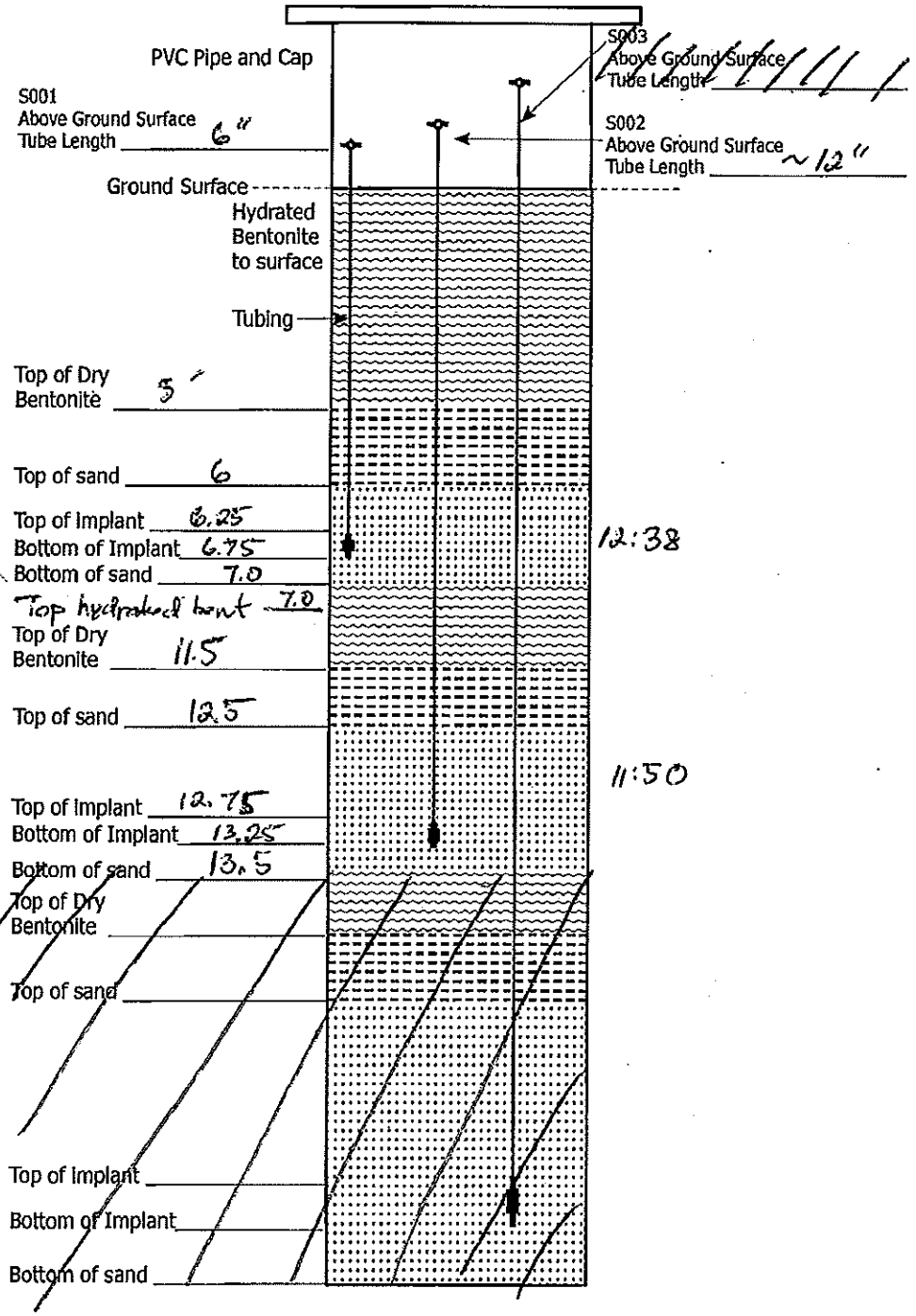
MWH.

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5BSV-DG-516
Site: 5B
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

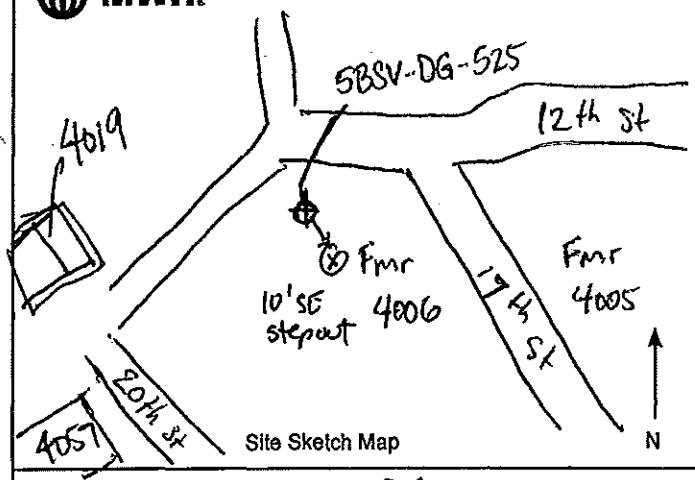
Dry Bentonite
Type: #8 (Crumbles/Granular)
Manufacturer: CETCO

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.



Site Sketch Map

Boring ID: 5B3V-DG-525	Sheet 1 of ~~1~~ 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	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 Vapor ID: NON 5B3SV-DG-525	Soil Boring Backfill Time/Date: ~~0850~~ 5-14-14 Backfill Material: Soil cuttings
Soil Vapor Well Completion Time/Date: ~~N/A~~ 10JUN14;	Observations: ☒ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): ~~N/A~~ 8.0-9.0, 13.0-14.0	Surface Completion: None
Soil Vapor Well Detail Completed (yes/no) attached	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 fill, old road to 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	Medium	Fine	Silt/clay
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 Layer of base gravel 5.0-5.3' bgs ~~TD=1.25', Refusal on concrete.~~ ~~2nd attempt also encountered concrete.~~ 5.0-14.0' Poorly graded sand (SP), yellowish brown (10YR 5/6) (10YR, slightly moist. Mostly fine sand, little silt (15), few medium sand (5) Base gravel throughout, some occasional sandstone clasts, weathered w/ oxide rinds. Base pea gravel layer (6" at 11.5' bgs). Base gravel fraction increases from 12'-13' bgs to poorly graded gravel (GP).	TR	-	20	55	25
0.0 ppm		48"				4							
0.2 ppm		51.5' bgs	PID			5			—	—	5	80	15
						6							
						7	SP						
0.0 ppm		36"				8							
						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 (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
						10		14.0-15.0					
						11	SP	Poorly graded sand. (SP) yellowish brown (10YR 5/8). damp.					
						12		Slightly moist, mostly fine sand (65), little medium sand (20), little silt (15), no stain, no odor, Native weathered bedrock last foun in shale.	30	10	20	30	10
0.0 ppm		36"				13							
						14	SP		-	-	20	65	15
					TD=	15							
						6		- Backfill hole to 14' bgs. w/ bentonite to avoid shale, and weathered bedrock. Will set two probes in fill.					
						7							
						8							
						9		TD = 15.0' w/ refusal on shale + weathered sandstone bedrock (mid-interbed).					
						0							
						1							
						2		- Piece of elec PVC at ~ 3.0' bgs.					
						3							
						4							
						5							
						6							
						7							
						8							
						9							

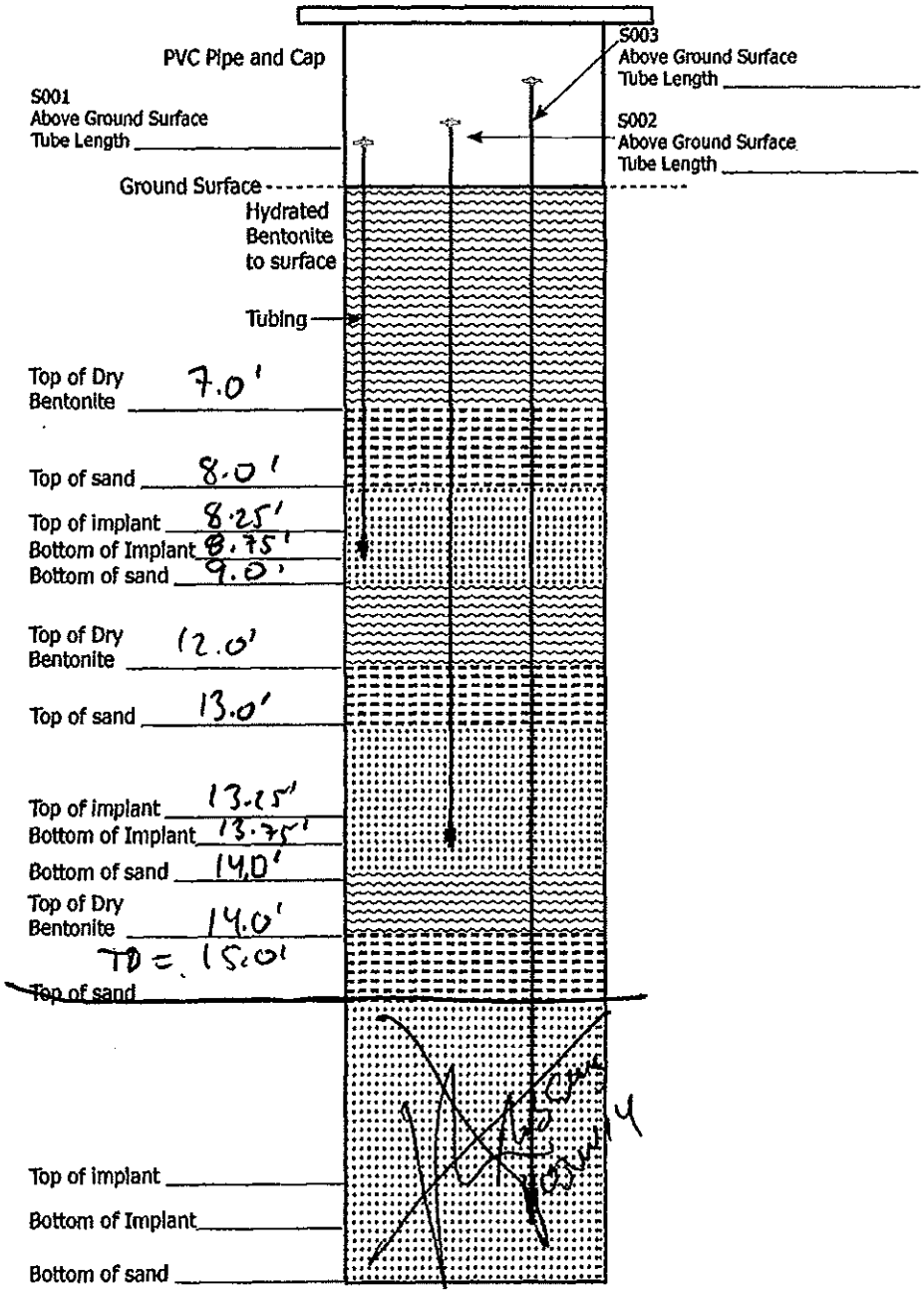
MWH

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5B SV. 04-S25
Site: 5B
Drilling Contractor: EST
Borehole TD: 15.0' bgs

Project: Phase 3 DOE Data Gap Sampling 2014
Logged by: Rosenis
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503982.3050106/10503982.3060106
Reviewed by:
Rig Type/Method: GeoProbe 5400
Probe Completion Date/Time: 10 JUN 14 12:20



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: Lonex

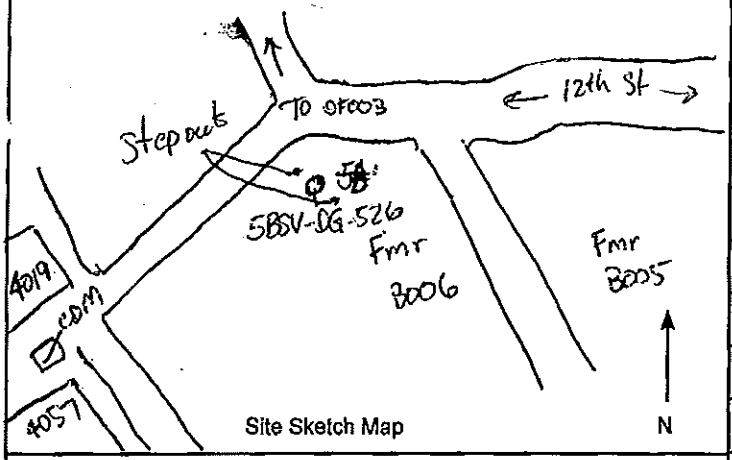
Dry Bentonite
Type: #8 crumbles
Manufacturer: Cetco

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.



Site Sketch Map

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		

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
								Surface Description: Gravel road to Fmr B4006					
						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		~~@3'~~ @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 recall?

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 (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
	X	36d				0							
0.0	X					1	ML	@1' Silt (ML), yellow (10YR 7/6), dense, dry, very low plasticity silt, no odors or stains, ~~native soil~~ fill	-	-	-	-	100/
	X	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~~ (H.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							

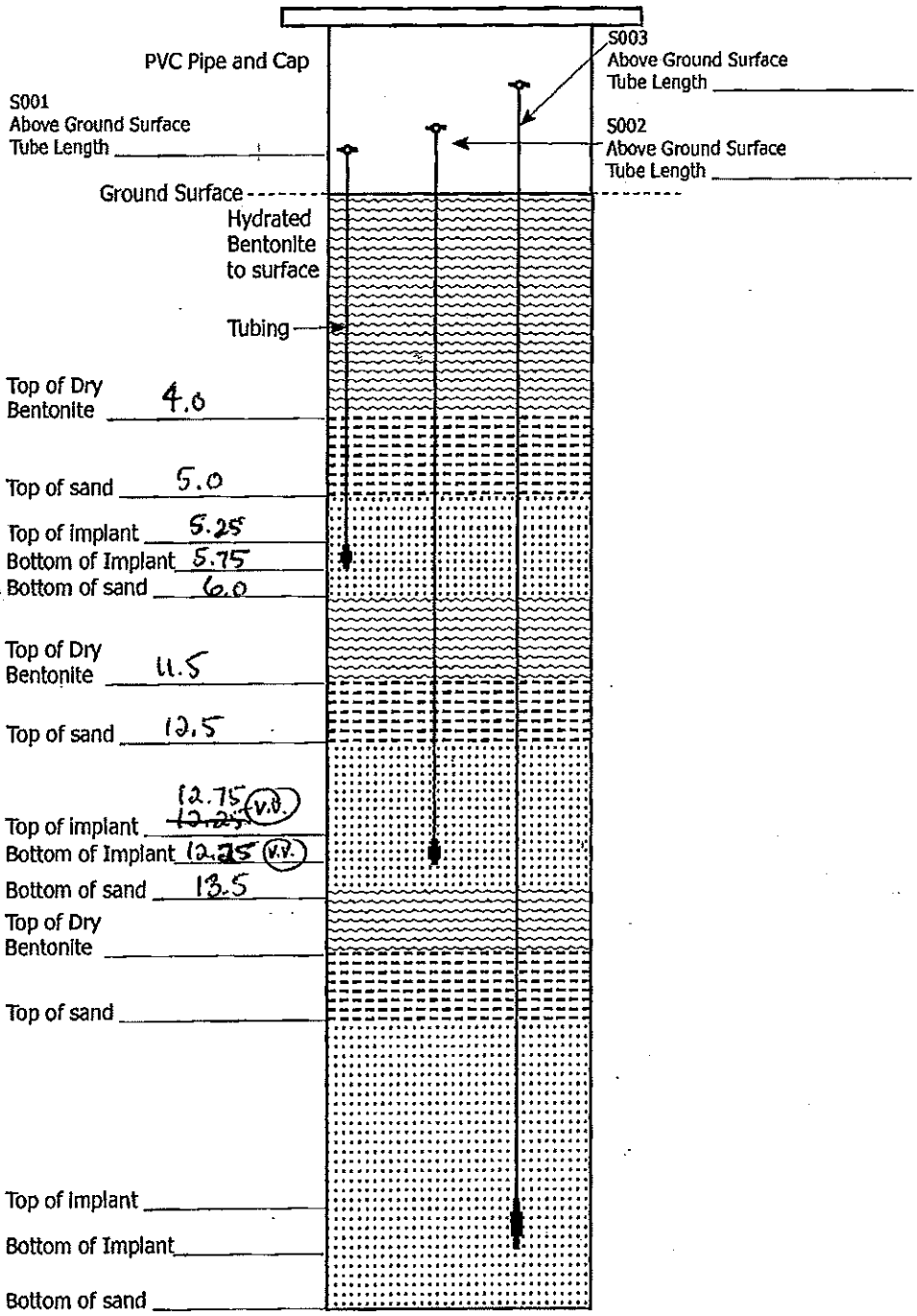
MWH.

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5BSV-DG-526
Site: 5B
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 #: 10503050105
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

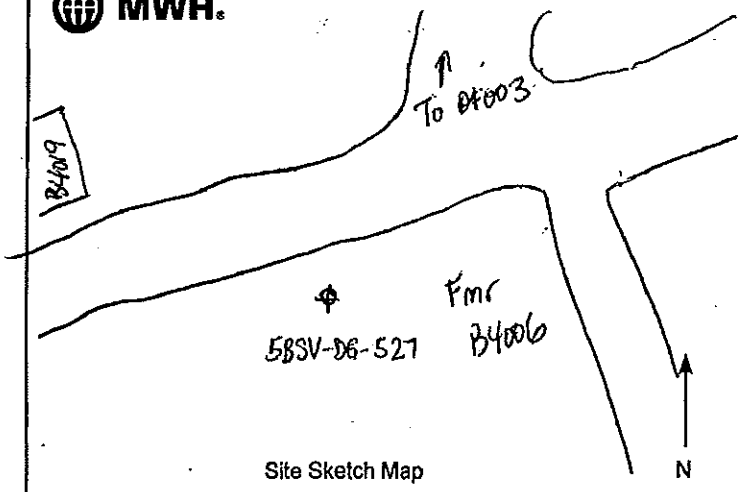
Type: #8
Manufacturer: CETCO

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.

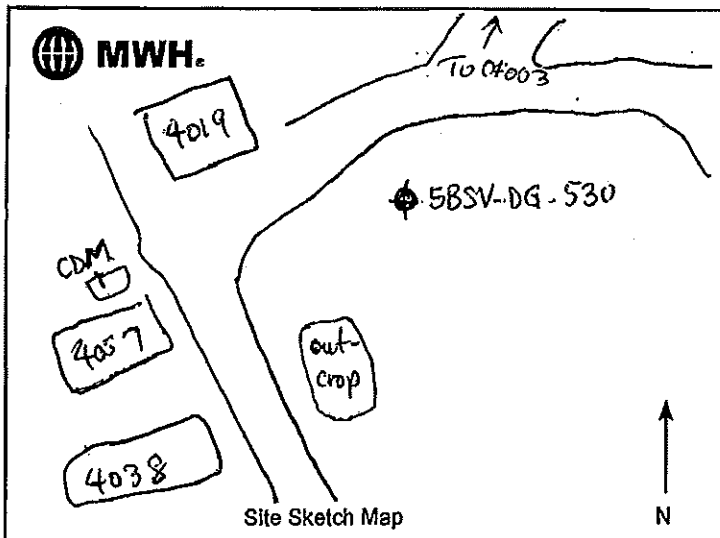


Site Sketch Map

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	Drillers 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: 1224 / 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 (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
	X				NONE	0	SM	Surface Description: Graded surface, mustard. 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	X	24"	NONE	NONE		1		@1' color changes to light yellowish brown (10 YR 6/4); slight iron staining (brownish yellow 10YR 6/6).					
						2		@2' Weathered Sandstone, Chatsworth Fm.					
						3							
						4		TD=2.0', refusal on bedrock, no vapor probe installed, no samples collected.					
						5							
						6							
						7							
						8							
						9							

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 (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
								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							
						5	SM	VV @ 4.5' Silty Sand (SM), very pale brown (10YR 7/4), loose, dry, fine to med. sand, non-plastic fines, non cemented	–	–	10	65	25
		48"	NONE	NONE	NONE	6		@5 grades to w/ increasing medium sand (V.V.)	–	–	20	55	25
0.2						7							
						8	Br	Sandstone, weathered Chatsworth Fm.					
						9		TD= 8.0 ft, refusal on sandstone; install vapor probe @ 7.0-8.0 ft					

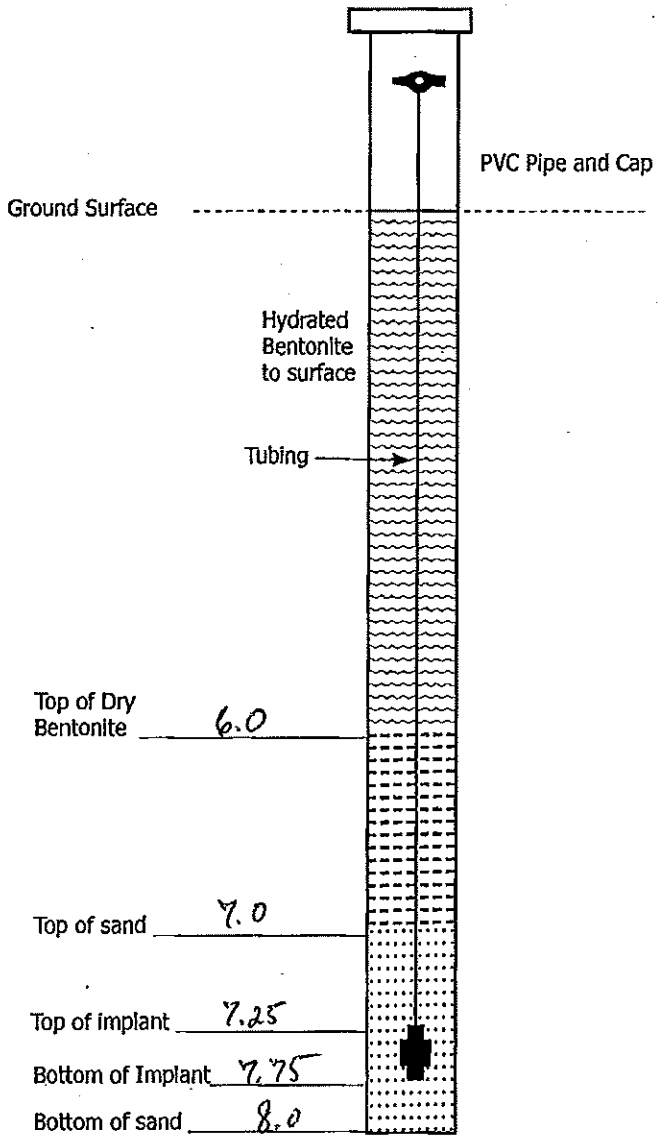
MWH.

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5BSV-DG-530
Site: 5B
Drilling Contractor: EST
Borehole TD: 8.0'

Job #: 10503982.3050105/10503982.3060105
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 10:15 / 5-13-14

Project: Phase 3 DOE Data Gap Sampling
Logged by: V. Vathanasin
Driller: Morgan Hughes
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

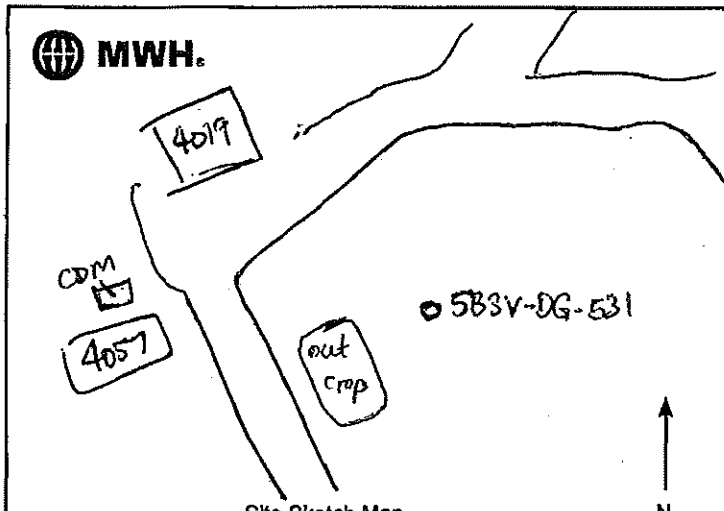
Dry Bentonite
Type: CETCO #8
Manufacturer: CETCO

Hydrated Bentonite
Type: #8
Manufacturer: CETCO

Notes:
1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

Boring ID: 5BSV-DG-531	Sheet 1 of 2
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5B
Logged By: V. Vathanesin	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: 5BSV-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

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 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	Medium	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	SP	Grades with less silt	–	–	–	80	20
						4	SP	Poorly Graded Sand (SP), pale brown (10YR 6/3), loose, dry, fine sand, trace silt, fill, no odors or stains.	–	–	–	100	TR
0.0						5			–	–	30	70	TR
		48"	NONE	NONE	NONE	6		@5' grades with medium sand	10	–	25	65	TR
						7		@6' Poorly graded Sand w/ Gravel (SP), pale brown (10YR 6/3), med. dense, dry, fine to medium sand, fine angular gravel, trace silt, no odors or stains, fill	–	–	–	65	35
0.0						8							
						9		@6.5' Silty Sand (SM), yellowish brown (10YR 5/4), med. dense, dry, fine sand, ~~non-pla~~ (V.V.) very low plasticity silt, no odors, no stains,					

Con't next page

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 (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
		48"	None			10	SM	Grades w/ a few clasts ~~of~~ (w/) of fine gravel (trace amounts)	TR	–		65	35
						11							
0.0						12		* Acetate sleeve jammed inside Macrocore at 16' bgs. (30 mins to remove)					
						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~~ (w/) Install probes at 14.0-18.0, 10'-11', 5'-6'.					
						20							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

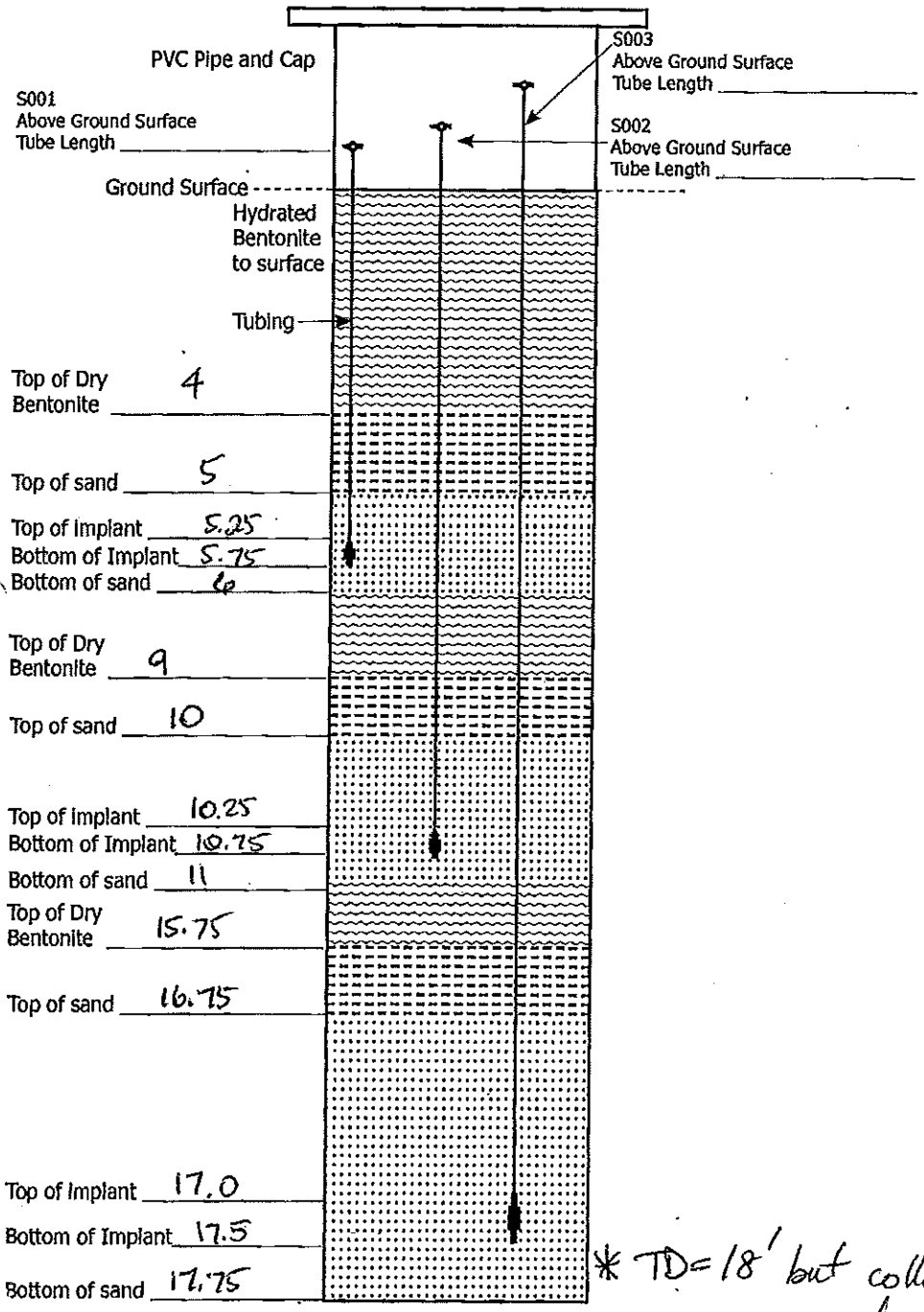
MWH.

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5BSV-DG-531
Site: 5B
Drilling Contractor: EST
Borehole TD: 18, collapse to 17.75

Project: Phase 3 DOE SV DG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 105039~~82~~ 982 (P.D.)
Reviewed by:
Rig Type/Method: Geoprobe 5400/DP
Probe Completion Date/Time: /5-13-14



* TD=18' but collapsed to 17.75 after tripping out.

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

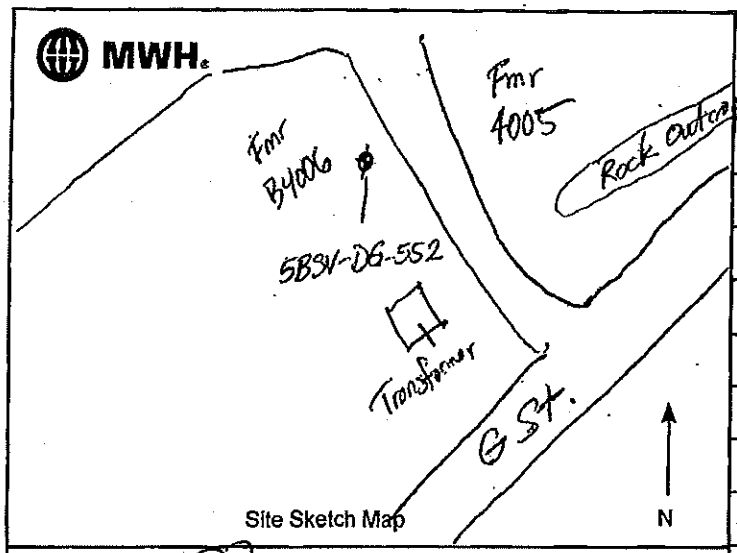
Dry Bentonite
Type: #8
Manufacturer: CETCO

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

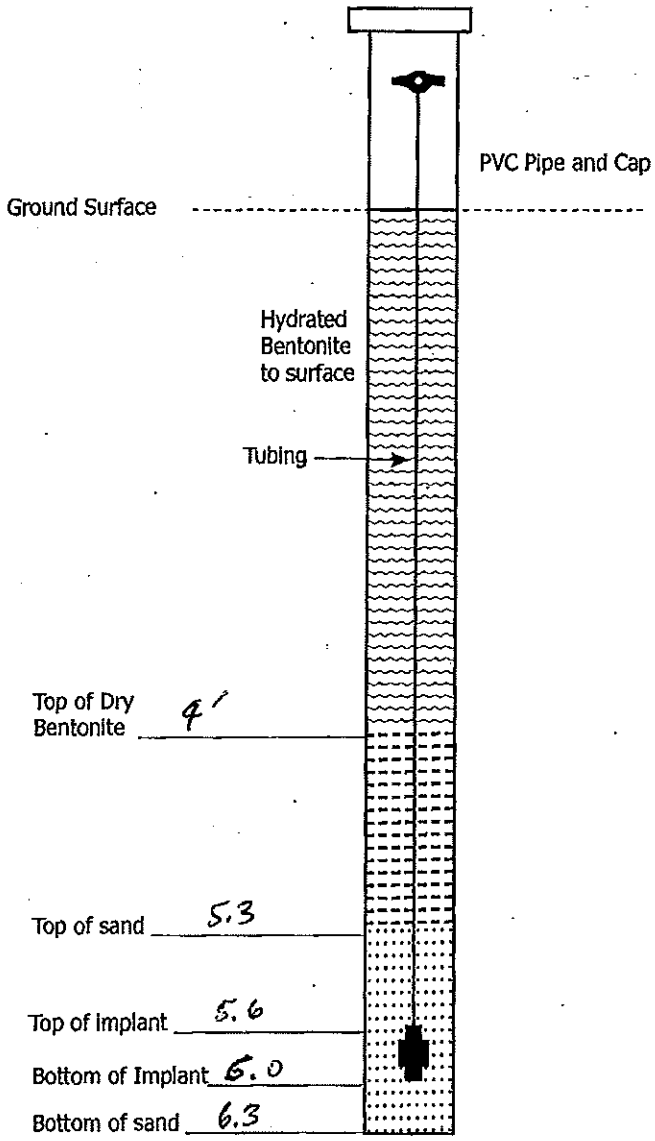
Boring ID: 5BSV-DG-552	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5B
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 6.5
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1030 / (V.V.) 5-14-14	Drill Finish Time/Date: 1050 / 5-14-14
Soil Vapor ID: (V.V.) ~~N/A~~ 5BSV-DG-552	Soil Boring Backfill Time/Date: N/A
Soil Vapor Well Completion Time/Date: (V.V.) ~~N/A~~ 1130 / 5-14-14	Backfill Material: ~~Soil cuttings~~ N/A
Soil Vapor Probe Depths (ft.bgs): (V.V.) ~~N/A~~ 5.3-6.3	Observations: ☒ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Well Detail Completed (Yes/No) (V.V.)	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	Medium	Fine	Silt/clay
								Surface Description: Graded, Fmr B4006					
0.0						0	~~SM~~ ML	Silt (ML), dark brown (10YR 3/3), med. dense, dry, low-plasticity silt, fine sand, no odors or stains, fill.	-	-	-	30	70
						1	SM	Silty Sand (SM), yellowish brown (10YR 5/4) loose, dry, fine to medium sand, low-plasticity silt, fill. ~~slightly~~ slightly clayey	-	-	10	45 ~~45~~	35/10 (V.V.)
		48"	NONE			2							
						3							
						4		@3' minor ~~bur~~ iron (V.V.) staining (yellowish brown 10YR 5/6),					
		14" (V.V.)	~~45~~	~~10:55~~		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 ~~-6.5~~ 6.3 ft (Caved-in) (V.V.)					

MWH.

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5BSV-DG-552
Job #: 10503982.3060105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 2
Site: 5B
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: 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

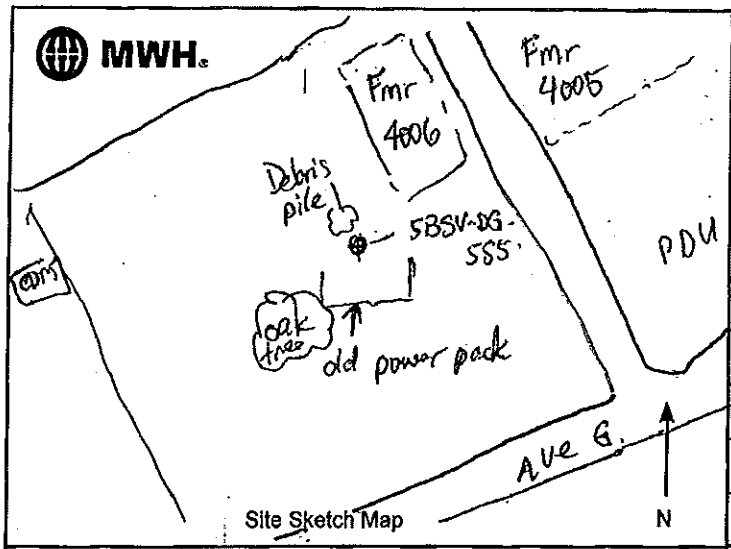
Dry Bentonite
Type: #8
Manufacturer: CETCO

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. 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): 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

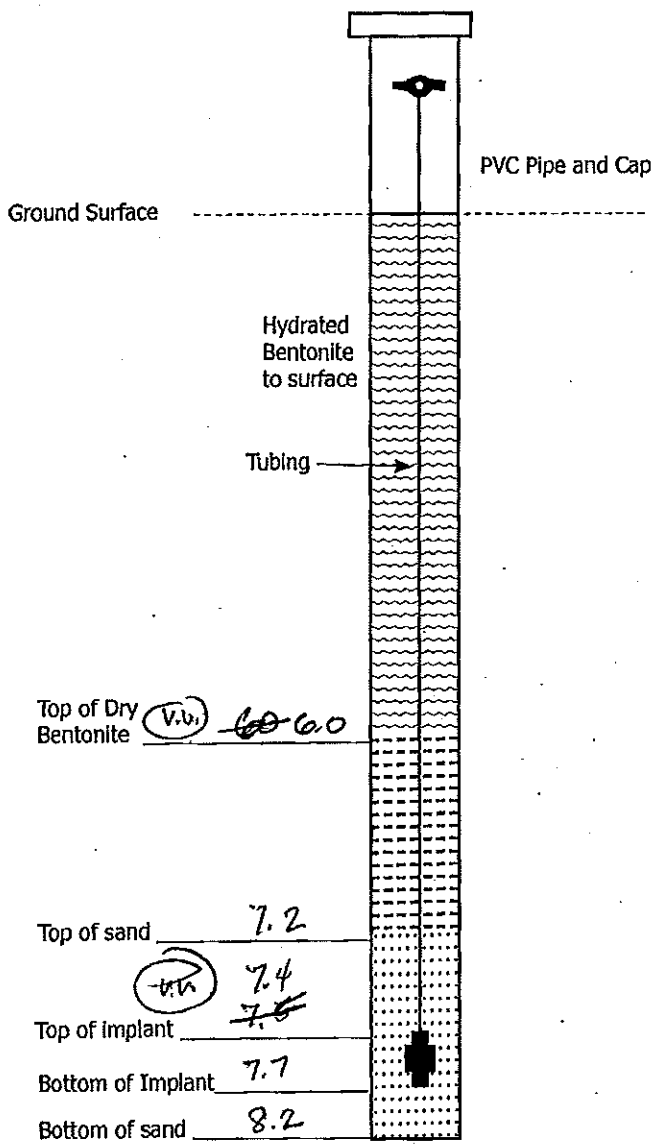
Surface Description: Unpaved Road.

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	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"				1–2	SM	@2' grades w/o gravel	–	5	25	35	35
						2–3	SM	@2.5 no coarse or medium sand	–	–	–	60	40
						3–4		@ 3.75' ~~weak~~ brown stains (10YR 5/3)					
0.0						4–5							
		48"				5–6		@5' grades to →	–	–	10	70	20
						6–7							
						7–8		@7' - brownish yellow (10YR 6/6) iron staining					
		3"				8–9		@ 8.25' Sandstone, weathered. TD = 8.25' ft bgs; refusal on sandstone bedrock. Inst all vapor probe at 7.2'-8.2' bgs					

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. Vathanavin
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: Cemex

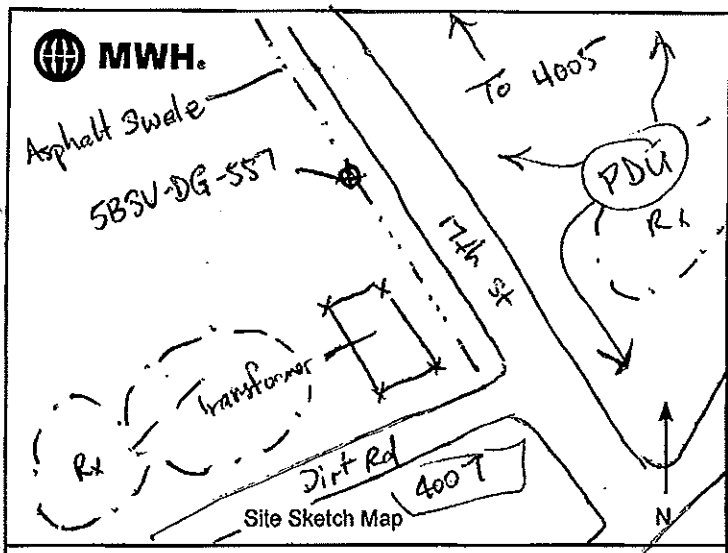
Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1



Site Sketch Map

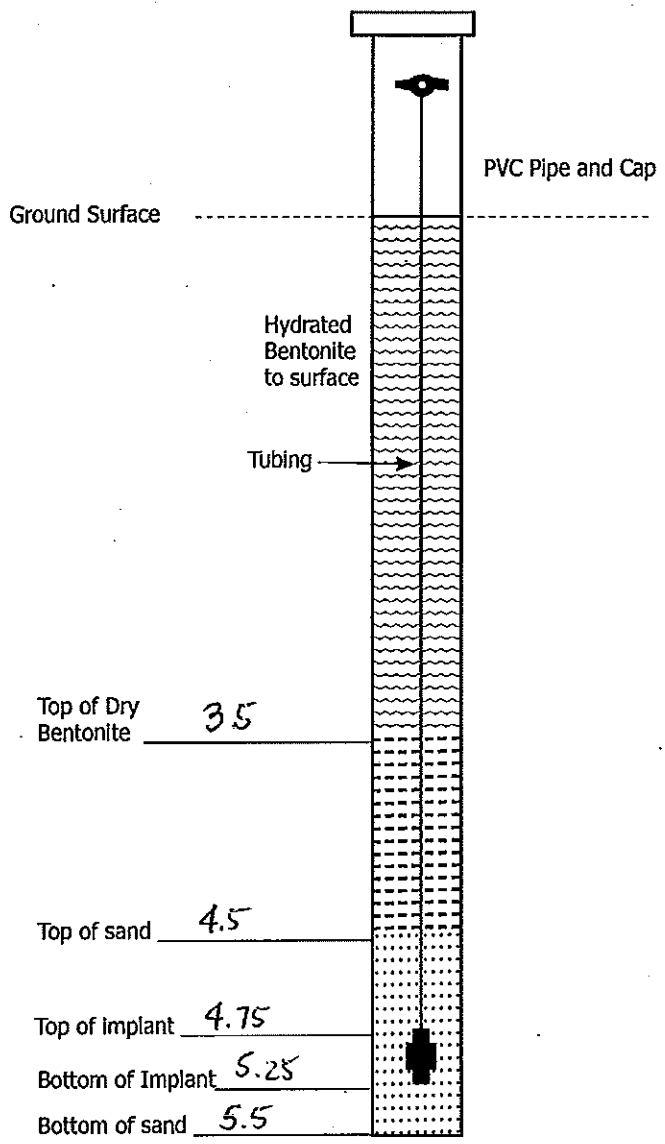
Boring ID: 5BSV-DG-557	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3060105/ 10503982.3060105	Site: 5B
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
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 Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 1440 / 6-2-14	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 (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
								Surface Description: In asphalt drainage swale (V.V.)					
						0	AF	Asphalt 2"	--	-	-	60	40/
						1	SM	Silty Sand (SM), dark brown (10YR 3/3), med. dense, dry, fine sand, non-plastic silt, moderate silt cement, dark asphalt staining, no odors, fill					
		42"	NONE			2							
						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.) ~~or stains~~ reddish yellow iron stain (5YR 7/8)	--	--	--	80	20/
		30"	NONE			5							
						6	Br	@5.5 Weathered Shale.					
						7							
		34"	NONE			8							
						9		@9.0 Refusal in shale. TD=9.0, ~~refu~~ refusal in bedrock. Set probe above bedrock at 4.5-5.5. Backfill w/ med. sand					

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

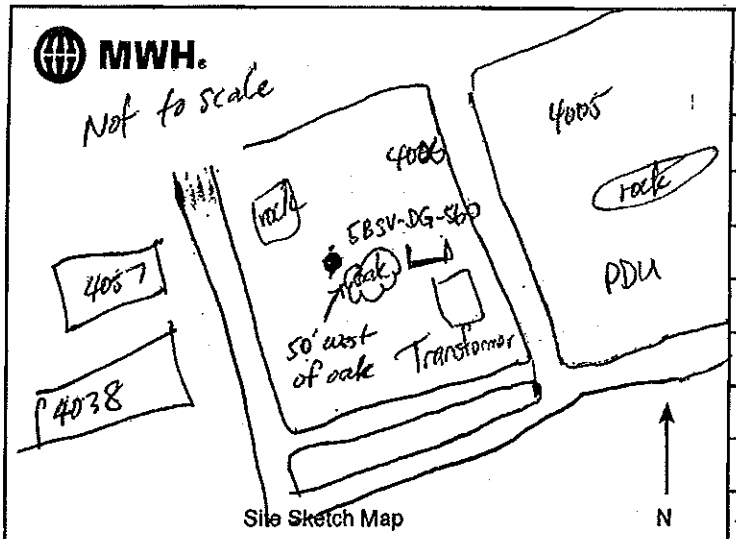
Hydrated Bentonite
Type: #8
Manufacturer: cetco

* 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

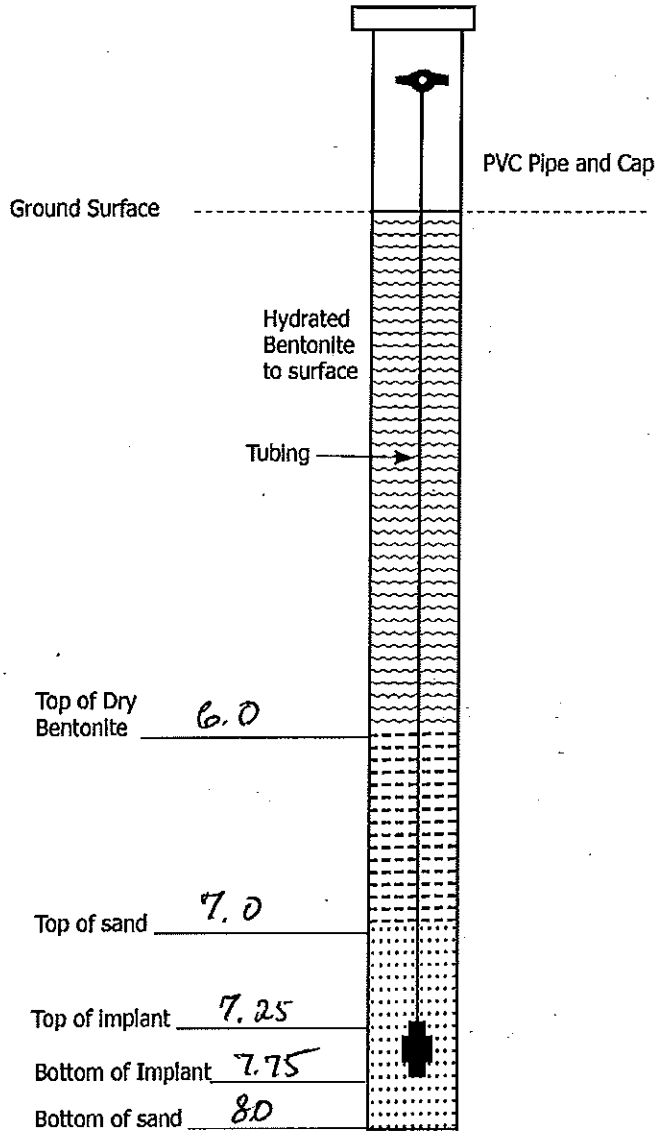
Boring ID: 5BSV-DG-560	Sheet 1 of 1		
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014			
Job #: 10503982.3060105/ 10503982.3060105	Site: 5B		
Logged By: V. Vathanasin	Reviewed By:		
Drilling Contractor: EST	Drillers Name: Morgan Hughes		
Drill Rig Type/Method: Geoprobe 5400 / DP			
Sampler Type: Macrocore			
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 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: 5BSV-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 (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: Backfill, shrubs 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 (V.V.) or stains, fill	–	–	–	60	30/10
0.0						4		@ 4' color changes to light yellowish brown (10YR 6/4)					
		48"	NONE			5	SM	@5' Silty (V.V.) Sand (SM), brownish yellow (10YR 6/6), loose, dry, fine sand, non-plastic silt, non cemented, fill, no odors (V.V.), reddish yellow (5YR 6/8) iron staining.	–	–	–	70	30
0.0						6							
						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

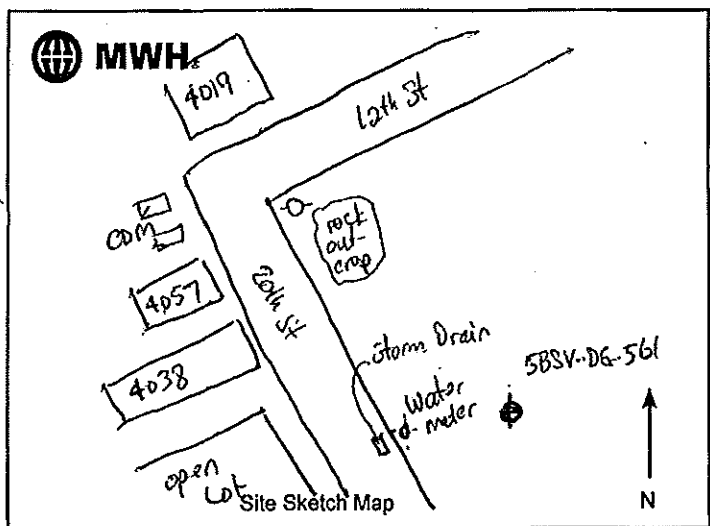
Dry Bentonite
Type: #8
Manufacturer: CETCO

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	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						0	SM	Surface Description: Backfill, old leach field. 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	~~20~~ 30 (V.V.)
		48"	NONE			1							
						2		grades w/ clay, stiff - low plasticity, no roots, no odors	–	–	–	70	20/10
						3	GW ↑ 3.5'	Gravel (GW), light gray (10YR 7/1), fine to coarse, angular to subangular gravel, leach field.					
						4							
						5							
		34"	NONE			6		TD = 10.5' bgs, refusal on shale bedrock. Stepped out 3 times to east and encountered refusal between 1.5 - 2.0 ft. in Sandstone (i.e. not in leach field.)					
						7							
						8							
			NONE			9	SM	~~Clayey~~ Silty Sand (SM), light yellowish brown (10YR 6/4), loose, dry, fine sand, non-plastic silt (MED DENSE (V.V.))	–	–	–	65	35
		12"				10							

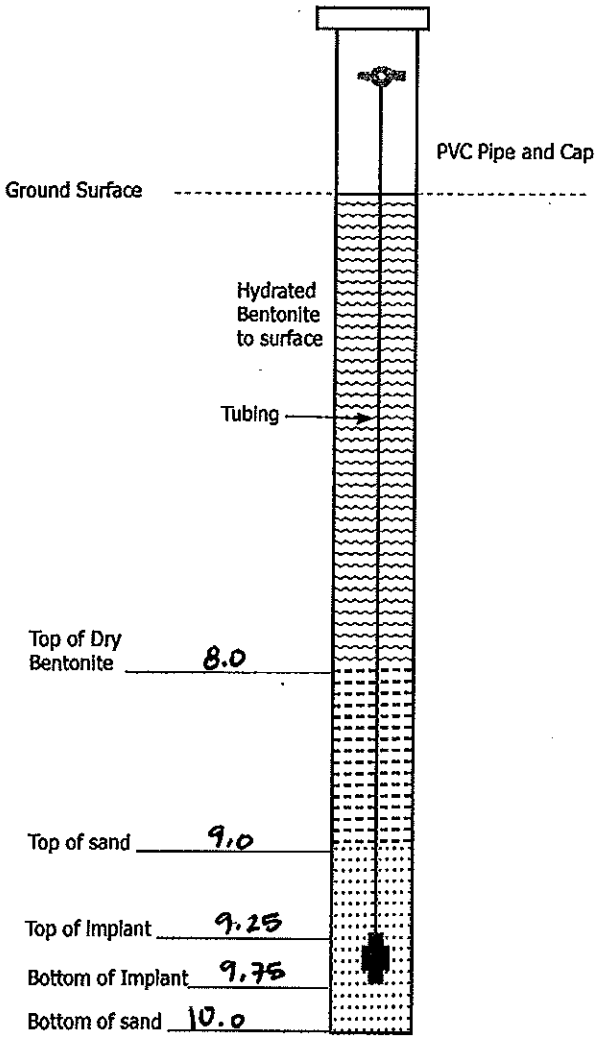
@10.5 Shale bedrock ; ~ 3" WEATHERED SANDSTONE (V.V.)

QA/QC
Surficial media boring log rev 2-25-2014

MWH.

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSV-DG-S01
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 2014
Site: SA SB
Reviewed by:
Logged by: ANDREW PAYNE
Drilling Contractor: EST
Rig Type/Method: GEOPROBE 5400/D.P.
Driller: MARTIN KILLMULLEN
Borehole TD: 10.0
Probe Completion Date/Time: 6/10/14 1400
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

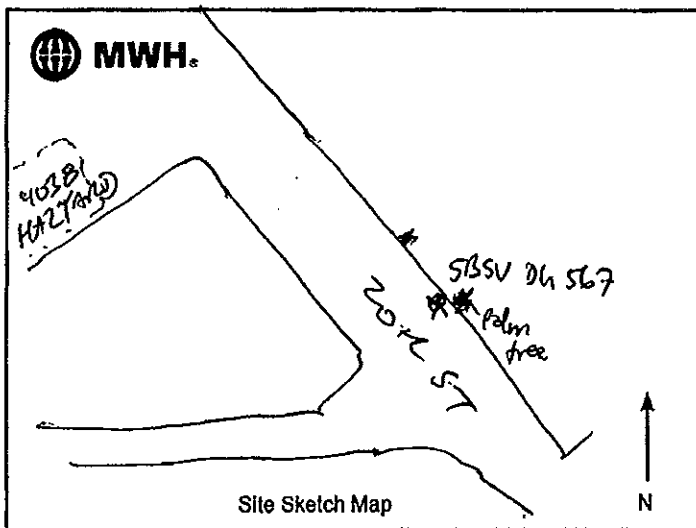
Type: #8
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

Boring ID: SBSV DG 567	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: MARTY KILGALLEN
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: 02JUN14 15:00	Drill Finish Time/Date: 02JUN14 15:10
Soil Vapor ID: SBSV DG-567	Soil Boring Backfill Time/Date: N/A Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 02JUN14, 15:20	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): 4.5 - 5.5	Surface Completion: Asphalt / SV. 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

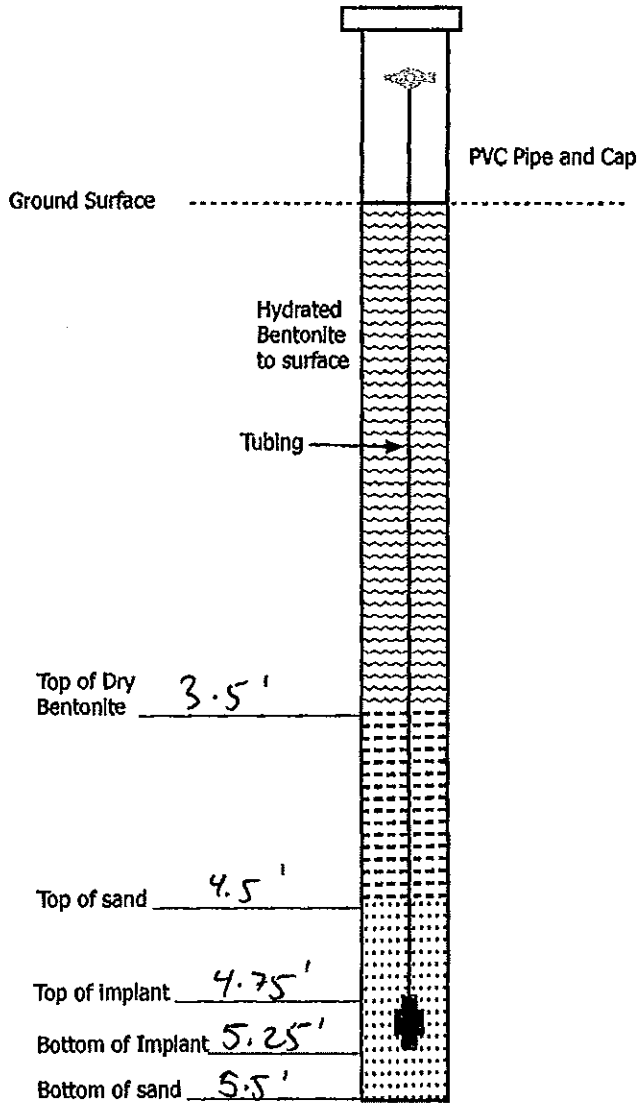
Surface Description: Asphalt swale

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	Medium	Fine	Silt/clay
		48"				0		4" Asphalt					
								0.0 - 0.5					
						1		Silty sand (SM); brown (10YR 4/3),	—	—	10	65	25
						2	SM	very loose, dry, Predominant fine sand (65), little silt (25), few med. sand (10),					
						3		No stain, no odor, fill, There are gravels that are asphalt.					
								0.5 - 4.0					
		18"				4	SM	Silty sand (SM), very dark gray (10YR 3/1), med. dense, dry,	—	TR	TR	60	40
						5	SP	low plastic. Predominant fine sand (60), some silt (40), TR coarse & med					
						TD							
	TD = 5.5' bgs					6		grain sand, No stain no odor, Fill					
	Refusal on							4.0 - 5.0					
	sandstone bedrock					7		Silty sand (SM), dark yellowbrown (10YR 4/6)	—	10	60	30	
						8		similar to above w/ gradational color change and less silt., roots.					
								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: SBSV DG-567
Job #: 10503982.3050106/10503982.3060106
Project: Phase 3 DOE Data Gap Sampling 201
Site: SB
Reviewed by:
Logged by: ROBERTS
Drilling Contractor: EST
Rig Type/Method: GEOPROBE 5400
Driller: MARTY KILHULEN
Borehole TD: 5.5' bgs
Probe Completion Date/Time: 02JUN14, 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: Cemex

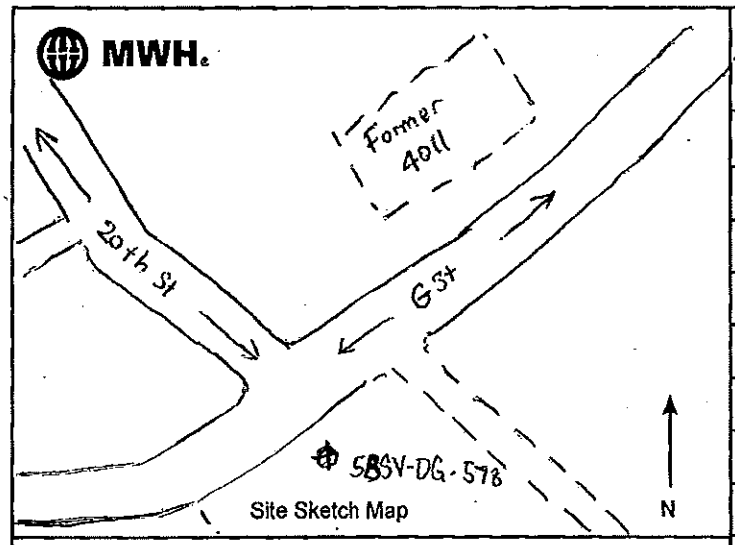
Dry Bentonite
Type: #8 crumble
Manufacturer: Cetco

Hydrated Bentonite
Type: #8 crumble
Manufacturer: Cetco

Notes:
1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

Boring ID: 5B3V-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: 5BSV-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	Medium	Fine	Silt/clay
						0	SM-GW	Surface Description: Hummocky Area. 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"	NONE			1							
						2	SM	@1.7 Silty Sand (SM), dark yellowish brown (10YR 4/4), loose, dry, fine sand, non-plastic silt, no odors or stains, fill.	-	-	-	65	35/
						3							
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 silt, no odors, no stains, native soil	-	-	-	100	TR/
0.0						9	Br	@9' Sandstone, weathered.					

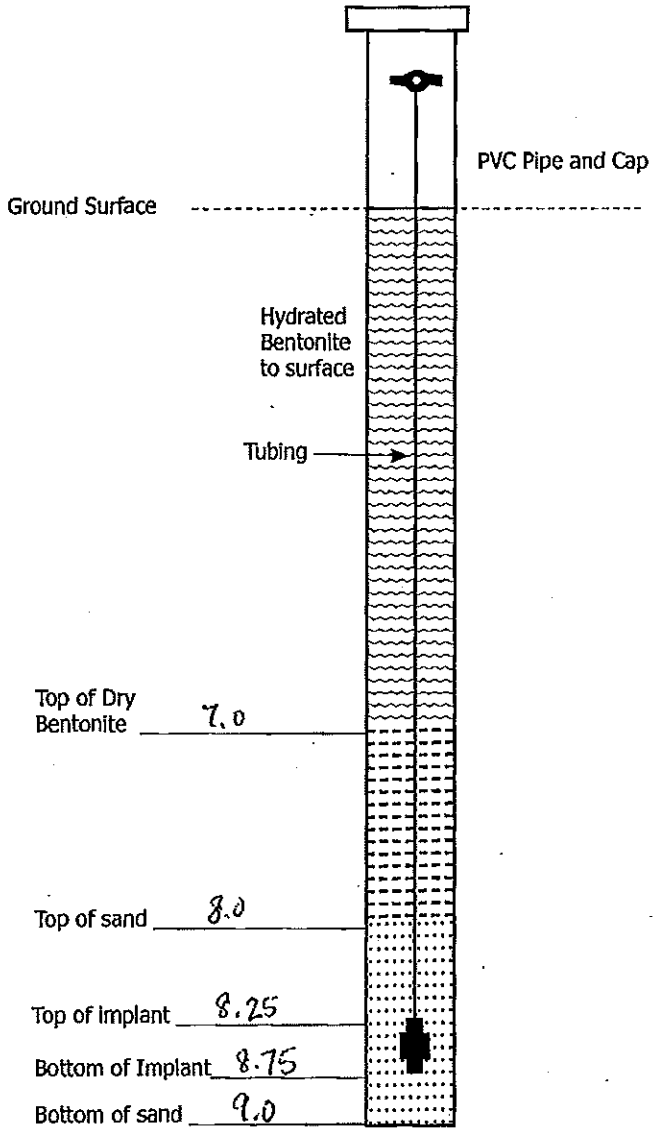
MWH.

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5BSV-DG-578
Site: 5B
Drilling Contractor: EST
Borehole TD: 9.0

Job #: 10503982.3050105/10503982.3060105
Reviewed by:
Rig Type/Method: Geoprobe 5400/DP
Probe Completion Date/Time: 825/6-3-14

Project: Phase 3 DOE Data Gap Sampling
Logged by: V. Vathanasin
Driller: Morgan Hughes
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

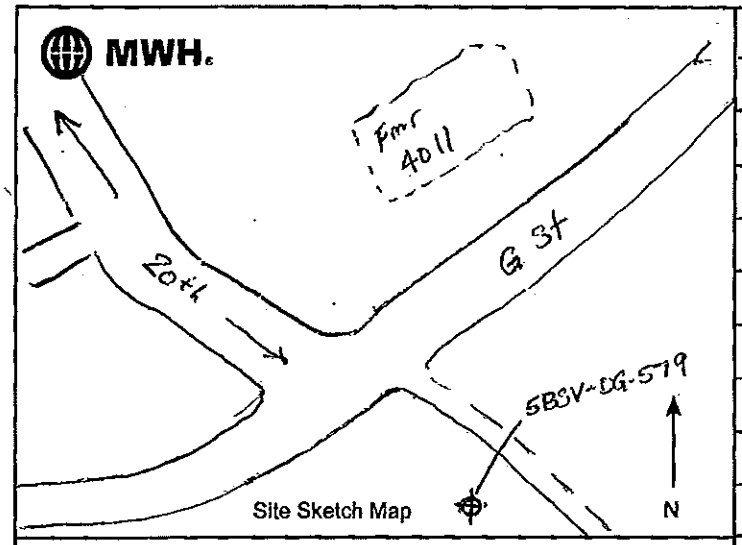
Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:
1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

Boring ID: 5BSV-DG-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. 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: 0835 / 6-3-14	Drill Finish Time/Date: 0845 / 6-3-14
Soil Vapor ID: 5BSV-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

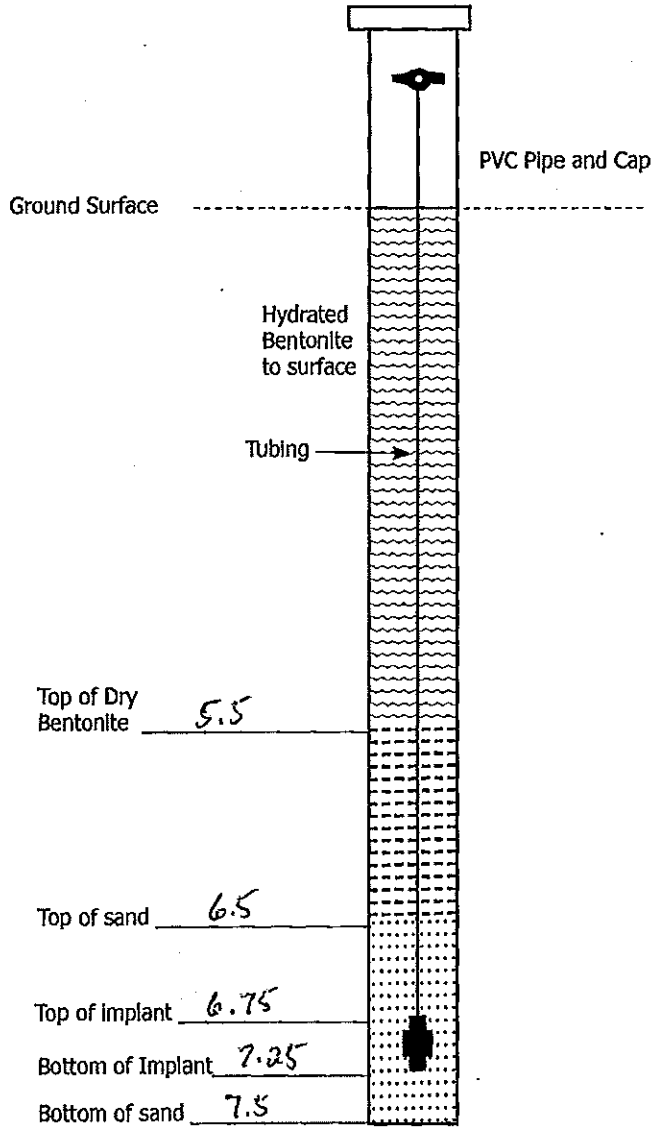
PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
		40"	NONE			0–2	SM	Silty Sand (SM), dark yellowish brown (10YR 4/4), loose, dry, fine sand, silt, friable, no staining, no odors, few roots	--	-	--	65	35
0.0						3–4							
		36"	NONE			5–6	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
						8–9	Br	Sandstone, weathered. TD = 7.5, refusal on bedrock; installed probe at 6.5-7.5					

QA/QC
Surficial media boring log rev 2-26-2014

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

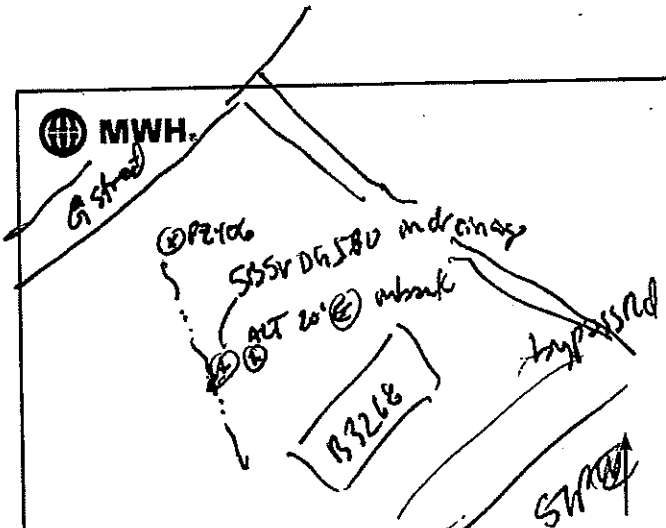
Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:
1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

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: AUBRIAS	Reviewed By:
Drilling Contractor: EST	Drillers Name: Jordan Hughes
Drill Rig Type/Method: HAND AUGER	
Sampler Type: BUCKET AUGER GRAB	
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

Soil Description: metal debris / concrete mud / plaster

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 lots.

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
	↓ to 8.3' 79%					1							
						2							
						3		0.9 – 3.5 Silty sand (SM), brown (10YR 4/3), loose, 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 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 native	–	–	10	60	30
TD = 8.3' w/ refusal on sandstone bedrock						6							
						7							
Used ALT location outside of drainage; ≈ 20' (E) on Fill terrace						8		8.0 – 8.3 Weathered sandstone; brownish yellow (10YR 6/8). Decomposed (W5) very weak (R1) soft (H6). silt fraction: ~ 25-30%					
						9							

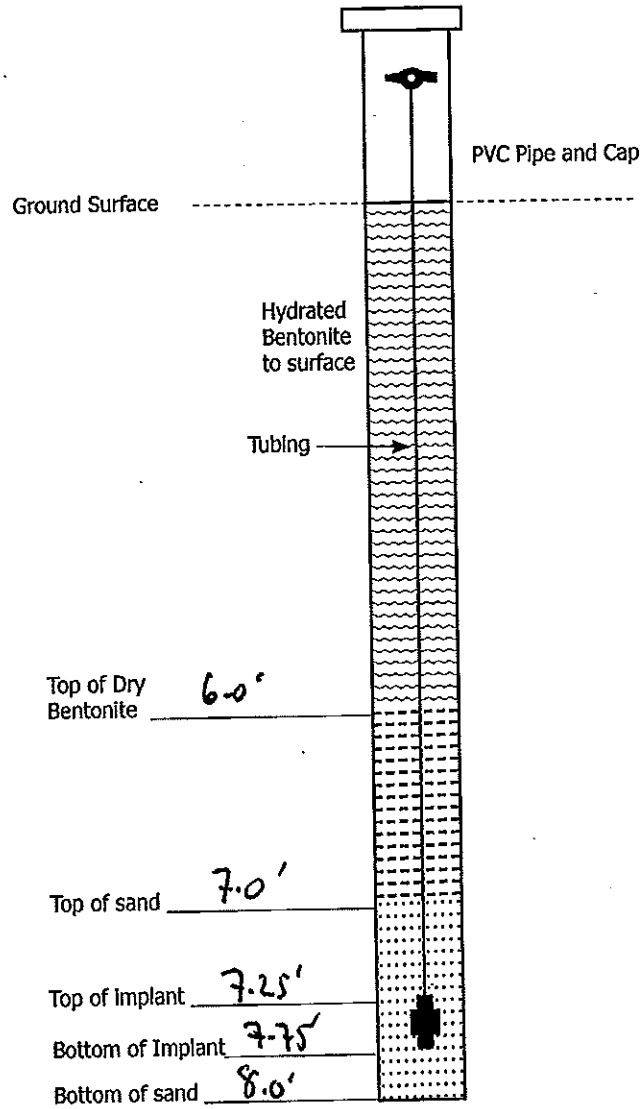
QA/QC

Surficial 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: Rob Ellis
Drilling Contractor: EST
Rig Type/Method: Hand Auger
Driller: Morgan Hughes
Borehole TD: 8.3' bgs
Probe Completion Date/Time: 11 JUN 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

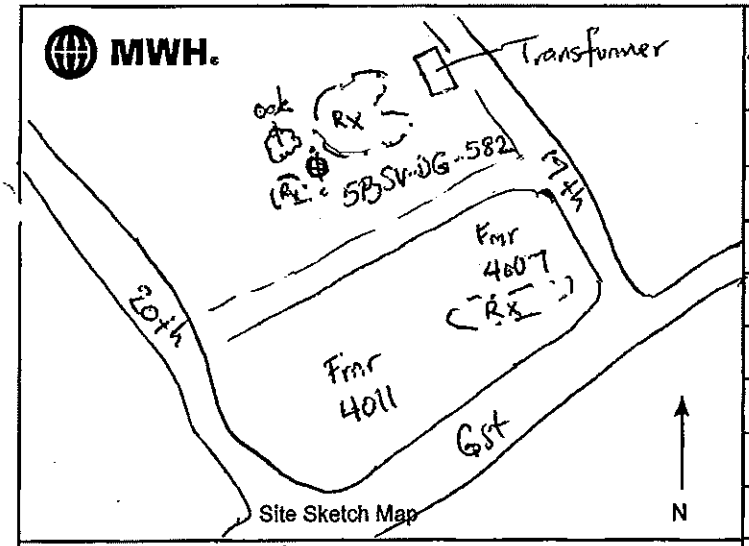
Dry Bentonite
Type: #8 crumbles
Manufacturer: Cetco

Hydrated Bentonite
Type: #8 crumbles
Manufacturer: Cetco

Notes:
1. Probes not drawn to scale.

FIGURE 4-1

MWH.

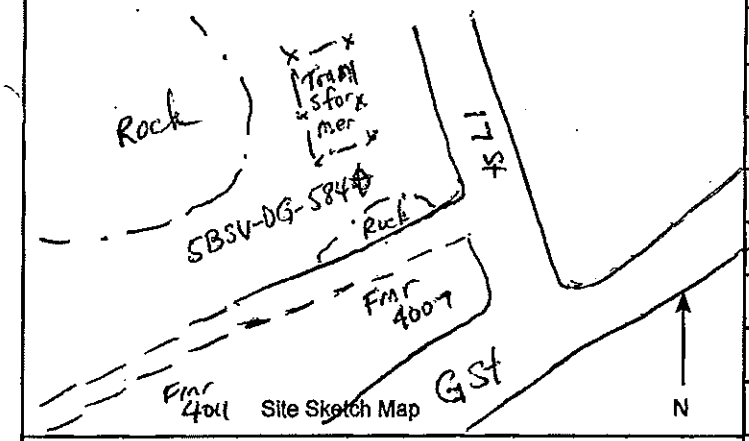


Site Sketch Map

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. Vathanesin	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 — Surface Description: In about surrounded by rock	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.0	X	12"	NONE			0	SM	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
						1							
						2							
						3							
						4		TD = 1.0 ft. Refusal on bedrock. Drill 2-step out borings with similar results. No samples were collected - TD < 1.5' (too shallow per SOP)					
						5							
						6							
						7							
						8							
						9							

MWH.



Site Sketch Map

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. Vathanosin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5460 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.75"	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	Surface Completion: Soil vapor probes
Soil Vapor Well Detail Completed (yes/no) 21.0	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 (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: Heavy veg - mustard.	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						0	SM	Silty Sand (SM), brown (10YR 4/3), loose, dry, fine sand, non-plastic silt, 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), yellowish brown (10YR 5/8), loose, dry,	5	-	20	75	TR
		48"				9	SP-GW	fine to medium sand, fine gravel, trace fines, fill, friable					

Boring ID: SBSV-DG-584 Project: Phase 3 DCE Soil Vapor Data Gap 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 (63, alluvium, bedrock) (10) Misc. Observations	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						10	SP						
			NONE			11							
						12							
						13							
		48"	NONE			14							
						15							
						16	SM	Silty Sand (SM), yellowish brown (10YR 5/6) with pale brown (10YR 6/3) weathered zones, ~~fine sand~~, loose, slightly moist, fine sand, non-plastic silt, fill, no odors or stains.					
		45"	NONE			17							
						18							
						19							
						20	SW	w/ gravel and silt (VW) 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.					
		8"	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							