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Environmental Services REAC  
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DATE: June 2, 2006  
TO: Jeff Catanzarita, U.S. EPA/ERT Work Assignment Manager  
THROUGH: Parry Bhambra, REAC Operations Section Leader *PB*  
FROM: Christopher Sklaney, REAC Task Leader *CLS*  
SUBJECT: SUBSURFACE SOIL SAMPLING  
LITTLE VALLEY SUPERFUND SITE (CATTARAUGUS CUTLERY AREA)  
LITTLE VALLEY, NEW YORK  
WORK ASSIGNMENT 0-165 - TRIP REPORT

**INTRODUCTION**

The Little Valley Superfund Site is comprised of a plume of trichloroethene (TCE)-contaminated groundwater that extends several miles between Little Valley and Salamanca, Cattaraugus County, New York (NY). This trip report presents the results of an environmental investigation conducted at a potential source area of the plume by personnel from the Lockheed Martin Response Engineering and Analytical Contract (REAC) in consultation with the U.S. Environmental Protection Agency (EPA) Environmental Response Team (ERT) Work Assignment Manager (WAM) during three field events in August, September, and November 2005. The work summarized in this report was conducted at a potential source area of the plume known as the Cattaraugus Cutlery Area (CCA), located at 300-306 Sixth Street in Little Valley. Specifically, the work was conducted at the parcel containing the former Cattaraugus Cutlery buildings currently present at the CCA. The initial event, conducted in August 2005, focused on establishing a sampling grid over an area from which elevated concentrations of TCE in soil were reported during historical sampling activities. The grid was expanded during two subsequent investigations to include areas north of Little Valley Creek and east of the main manufacturing building. Primary site features are outlined on Figure 1.

**SITE BACKGROUND**

The CCA is comprised of several parcels historically and currently zoned for commercial and industrial use. Activities conducted at the site began around 1900, and included the manufacture of cutlery and voting machines, stamping of metal automobile and window parts, and more recently, the storage of commercial and industrial goods. Past owners or operators have included the W.W. Wilson Cutlery Company, Cattaraugus Cutlery, Knowles-Fischer, American Voting Machines (AVM), and according to property records, possibly King Windows. Former employees of AVM and King Windows reportedly alleged that improper disposal of chemicals occurred at the site during manufacturing processes (Tetra Tech FW, 2005).

The parcel on which the Cattaraugus Department of Public Works (CDPW) formerly operated is located immediately east of the existing on-site buildings. The Korn Razor Manufacturing Company was built on this parcel in approximately 1890 and operated as a cutlery, producing straight razors until the mid-1930s. In 1939, the

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The parcel on which the Cattaraugus Department of Public Works (CDPW) formerly operated is located immediately east of the existing on-site buildings. The Korn Razor Manufacturing Company was built on this parcel in approximately 1890 and operated as a cutlery, producing straight razors until the mid-1930s. In 1939, the

building reverted to Cattaraugus County for non-payment of taxes and had been used for storage and equipment repair until being demolished at some time in the 1990s (Tetra Tech FW, 2005). The parcel is currently undeveloped.

In the 1980s, TCE was first detected in groundwater samples collected from the production well of the Luminite Products Corporation (Luminite), an industrial property located approximately four miles southeast and down gradient of the site. Subsequent sampling indicated that a plume of TCE extended down gradient several miles from Little Valley to Salamanca and was impacting as many as 200 drinking water wells. The plume was also found to extend up gradient of the Luminite property, and is currently believed to consist of several contributing sources that may also include the CCA, Bush Industries, the Great Triangle Area (also known as the Drum Storage Area), and the Ninth Street Landfill Area. Analytical results of the majority of soil samples collected from the CCA north of the central portion of the manufacturing building between 1998 and 2003 revealed TCE at concentrations of up to 550 micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ), although TCE was also reported at concentrations up to 72,000  $\mu\text{g}/\text{kg}$  in isolated locations (Tetra Tech FW, 2005).

## METHODOLOGY

Prior to the initiation of soil sampling activities, a 20-foot square grid was established over a portion of the CCA north of the existing on-site buildings where elevated concentrations of TCE were reported during historical investigations. The northwest corner of the central manufacturing building was used as the origin, with the northern and western sides of the building serving as primary axes. In general, soil samples were collected from grid corners, although a fraction of the total sampling locations were either grid centers or random locations. A Trimble™ global positioning system (GPS) unit was used to collect positional data for all sample locations. The data were recorded using the Universal Transverse Mercator (UTM) System, Zone 18 North, based on the North American Datum (NAD) 1983, State Plane Coordinates, Easting and Northing (meters). GPS data are presented in Table 1. Soil boring locations from which samples were collected are presented on Figure 2.

On August 17, 2005, REAC subcontractor Buffalo Drilling of Clarence, NY, used a Geoprobe® Systems (Geoprobe) Model 5400 direct-push device to advance borings at 33 locations. On September 7 and 8, 2005, Zebra Environmental Corporation (Zebra) was subcontracted to conduct additional direct-push work at the site. Zebra used a Geoprobe Model 5400 to advance borings at 44 locations, including borings around the perimeter of the Quonset hut and two borings inside the former cutlery buildings. On November 30 and December 1, 2005, Zebra and REAC personnel advanced borings at 28 locations, including 16 borings inside the former cutlery buildings. Zebra personnel used a concrete corer to breach the building slab, and a Geoprobe Model 54MT portable direct-push device to advance borings in restricted-access areas of the building interior. REAC personnel used a Geoprobe Model 6620DT direct-push device to advance borings in open areas of the building interior and several locations outside the building.

With the exception of the borings advanced with the Model 54MT unit, the Macro-Core™ sampling system with 4- or 5-foot-long sample tubes was used to advance and retrieve the borings. The Large-Bore™ sampling system with 2-foot-long sample tubes was used with the Model 54MT unit. The borings were advanced to a maximum of 10 feet below the ground surface (bgs), although most were advanced no further than 4 or 8 feet bgs, as directed at each location by the WAM. In general, disturbed and reworked material consisting of a mixture of white ash, black coal, construction debris, and soil of varying texture was encountered in the borings. The water table was not encountered in any boring. Qualitative screening of all soil cores was conducted upon retrieval using a RAE Systems® MultiRAE Plus four-gas meter with photoionization detector (PID). The PID had a resolution of 0.1 parts per million (ppm) and was calibrated with isobutylene at a concentration of 100 ppm. PID readings were recorded directly from the retrieved soil cores at 6-inch intervals.

Soil samples collected during the investigations were collected and shipped via courier or hand-delivered to the REAC Laboratory in Edison, New Jersey (NJ) for analysis of Target Compound List (TCL) volatile organic compounds (VOCs). Several samples collected during the September 2005 event were archived in the REAC Laboratory and not analyzed. A subset of samples collected during the August 2005 sampling event were additionally analyzed using the Toxicity Characteristic Leaching Procedure (TCLP) for VOCs, semivolatile organic compounds (SVOCs), and the eight Resource Conservation and Recovery Act (RCRA) Metals (arsenic, barium, cadmium, chromium, mercury, lead, selenium, and silver). All TCLP fractions with the exception of VOCs were

extracted in the REAC Engineering Evaluation Unit (EEU) Laboratory. The TCLP-VOCs were submitted to Accutest Laboratories in Dayton, NJ for extraction and analysis. The TCLP-SVOC and TCLP-Metals extracts were analyzed at the REAC Laboratory.

In September 2005, four samples were submitted to the REAC Laboratory for analysis of polychlorinated biphenyls (PCBs) using a gas chromatograph/electron capture detector (GC/ECD). The samples were composites of samples collected during the August 2005 investigation held in archive at the REAC facility.

## **SUMMARY AND RESULTS**

During the course of the investigation, REAC personnel successfully completed the following tasks at the site:

- Advanced individual soil borings up to 10 feet bgs using direct-push technologies
- Collected and analyzed soil samples for TCL VOCs; several samples were also collected and held at REAC in archive
- Collected soil/sediment samples from Little Valley Creek for TCL-VOCs
- Collected, extracted and analyzed soil samples for TCLP-SVOC and TCLP-Metals analyses
- Collected soil samples for TCLP-VOC analysis; submitted TCLP VOC-samples to a subcontracted laboratory for analysis
- Conducted a GPS survey to precisely record sample locations (Table 1)

### **Soil Sampling Analytical Results**

The REAC Laboratory analyzed 299 soil and sediment samples, including field quality assurance/quality control (QA/QC) samples, for TCL VOCs. Eight VOCs, including ethylbenzene, naphthalene, toluene, TCE, tetrachloroethene (PCE), cis-1,2-dichloroethene (DCE), o-xylene, and p/m-xylene were detected at concentrations above laboratory reporting limits (RLs). TCE was the only compound detected at concentrations exceeding compound-specific soil cleanup objectives as outlined in New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) #4046 (NYSDEC, 1994). TCE was detected at 35 sample locations at concentrations above the TAGM soil cleanup objective of 700 micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ). Two of the 35 samples were collected from beneath the slab of the former cutlery building, at borings BLD05 and BLD12. TCE analytical results with those results exceeding the TAGM soil cleanup objective are shaded in Table 2. Complete VOC laboratory analytical data reports for soil samples collected in August, September, and November 2005 are provided as Appendices A, B, and C, respectively.

The REAC Laboratory analyzed four samples and one extraction fluid blank for TCLP-SVOCs and TCLP-Metals. Accutest Laboratories extracted and analyzed eight samples, including field QA/QC samples, for TCLP-VOCs. No compounds or elements were detected above their respective regulatory levels as outlined in 40 CFR 261.24. The preliminary analytical reports for all TCLP analyses are provided as Appendix D.

In September 2005, the REAC Laboratory analyzed four samples for PCBs using a GC/ECD. The samples were composites of samples collected during the August 2005 investigation. No PCB compounds were detected above laboratory RLs. Sample locations from which the composites were formed and the preliminary analytical report is presented in Appendix E.

## **REFERENCES**

Lockheed Martin. 2005. Field Logbook, Little Valley, REAC IV-B-0140.

New York State Department of Environmental Conservation. 1994. Determination of soil cleanup objectives and cleanup levels. Technical and Administrative Guidance Memorandum #4046.

Tetra Tech FW, Inc. 2005. Remedial Investigation Report for OU-2 Remedial Investigation and Feasibility Study, Little Valley Superfund Site, Cattaraugus County, New York. EPA Region II Response Action Contract, Contract No. 68-W-98-214.

TABLES

Little Valley Superfund Site  
Cattaraugus Cutlery Area  
Trip Report  
June 2006

TABLE 1  
GLOBAL POSITIONING SYSTEM DATA  
LITTLE VALLEY SUPERFUND SITE  
CATTARAUGUS CUTLERY AREA  
LITTLE VALLEY, NEW YORK

Location	Easting	Northing
A4	186735.577	4684785.542
A5	186741.205	4684782.141
B1	186722.320	4684798.260
C2	186730.807	4684801.860
C3	186735.464	4684799.403
C8	186763.972	4684786.880
D4	186744.304	4684802.205
D5	186749.708	4684799.764
D6	186755.008	4684796.995
D7	186760.761	4684793.927
N01	186725.461	4684813.486
N02	186722.778	4684808.111
N03	186720.363	4684803.125
N04	186718.369	4684797.329
N05	186715.695	4684792.282
N07	186728.517	4684806.243
N08	186726.252	4684800.623
N09	186723.497	4684794.191
N11	186736.447	4684808.909
N13	186731.713	4684797.944
N14	186729.762	4684791.908
N17	186739.297	4684801.008
N18	186736.942	4684795.450
N19	186735.161	4684789.446
N21	186747.304	4684804.073
N22	186745.095	4684798.417
N23	186742.816	4684792.999
N24	186740.107	4684787.092
N26	186753.682	4684801.968
N27	186751.018	4684796.131
N28	186748.485	4684790.661
N29	186744.711	4684785.369
N30	186741.536	4684779.417
N32	186756.360	4684793.617
N33	186764.623	4684796.852
N35	186770.061	4684794.388
N36	186767.370	4684788.785
N37	186775.675	4684792.306
N38	186773.336	4684786.518
N39	186773.377	4684785.608
N41	186739.951	4684780.012
N42	186763.879	4684776.104
N43	186764.890	4684770.815
N44	186727.956	4684819.499

Location	Easting	Northing
N46	186739.531	4684814.291
N47	186744.707	4684811.649
N48	186750.991	4684810.224
N49	186755.703	4684806.722
N50	186760.942	4684804.331
N51	186766.352	4684801.608
N52	186772.387	4684799.761
N54	186730.939	4684777.302
N55	186735.934	4684775.338
N56	186740.576	4684773.009
N59	186739.160	4684767.489
N60	186726.530	4684766.709
N61	186734.285	4684762.267
N63	186763.806	4684764.741
N64	186769.633	4684768.644
N65	186776.780	4684766.594
N67	186751.092	4684841.811
N68	186743.516	4684844.690
N69	186750.254	4684846.087
N70	186749.971	4684856.229
N71	186759.992	4684850.829
N72	186774.544	4684841.880
N73	186791.871	4684830.781
N74	186792.310	4684818.738
N75	186726.605	4684746.017
N76	186742.663	4684736.075
N77	186749.835	4684733.861
N78	186758.329	4684726.286
N79	186767.174	4684716.877
N80	186776.820	4684727.290
N81	186783.209	4684733.849
N82	186796.135	4684748.077
N83	186735.298	4684820.817
N84	186713.301	4684786.675
N85	186712.311	4684792.130
N86	186741.985	4684819.011
N87	186746.296	4684816.834
N88	186778.686	4684797.421
N89	186784.750	4684791.944
N90	186761.952	4684763.537
N91	186710.777	4684779.036
SD1	186776.809	4684809.620
SD2	186761.683	4684818.984
SD3	186724.815	4684833.210

Data presented from samples collected from the Cattaraugus Cutlery Area from August to November 2005.  
Coordinate System: UTM, Zone 18 North, NAD1983 (CONUS), meters

TABLE 2  
ANALYTICAL RESULTS OF TRICHLOROETHYLENE IN SOIL  
LITTLE VALLEY SUPERFUND SITE  
CATTARAUGUS CUTLERY AREA  
LITTLE VALLEY, NEW YORK

SAMPLE LOCATION	REAC SAMPLE NO.	RESULT	QF	RL
LV-BLD1(0-2)	0-0165-0302	587	J	36.2
LV-BLD1(2-4)	0-0165-0303	9.01	J	30.9
LV-BLD2(0-2)	0-0165-0304	67.5	J	31.6
LV-BLD2(0-2)D	0-0165-0305	104	J	32.9
LV-BLD2(2-4)	0-0165-0306	25.7	J	30.5
LV-BLDG3(3-4)	0-0165-0637	62.5		34.7
LV-BLDG3(4-5)	0-0165-0638	28.4	U	28.4
LV-BLDG4(0-2)	0-0165-0639	25.9	J	36.8
LV-BLDG4(3-5)	0-0165-0640	394		37.3
LV-BLDG5(1-3)	0-0165-0641	<b>1,560</b>	<b>E</b>	32.1
LV-BLDG5(3-5)	0-0165-0642	103		35.7
LV-BLDG6(1-3)	0-0165-0643	55.2		36.8
LV-BLDG6(3-5)	0-0165-0644	29.8	U	29.8
LV-BLDG6(3-5)D	0-0165-0645	30.1	U	30.1
LV-BLDG7(0-2)	0-0165-0646	40.0		30.1
LV-BLDG8(0-2)	0-0165-0647	<b>1,730</b>	<b>E</b>	29.1
LV-BLDG8(2-4)	0-0165-0648	13.2	J	32.9
LV-BLDG9(0-2)	0-0165-0649	40.9		34.7
LV-BLDG9(2-4)	0-0165-0650	30.1	U	30.1
LV-BLDG9(2-4)D	0-0165-0651	30.1	U	30.1
LV-BLDG10(1-3)	0-0165-0652	28.1	U	28.1
LV-BLDG11(0-2)	0-0165-0653	220		33.3
LV-BLDG11(2-4)	0-0165-0654	31.3	U	31.3
LV-BLDG11(2-4)D	0-0165-0655	30.9	U	30.9
LV-BLDG12(0-2)	0-0165-0656	<b>1,560</b>	<b>E</b>	31.3
LV-BLDG12(2-4)	0-0165-0657	21.9	J	31.6
LV-BLDG13(0-2)	0-0165-0658	17.2	J	33.3
LV-BLDG13(2-4)	0-0165-0659	131		33.3
LV-BLDG14(DR)	0-0165-0660	62.6		31.6
LV-BLDG15(0-2)	0-0165-0661	177		33.8
LV-BLDG15(2-4)	0-0165-0662	9.41	J	31.6
LV-BLDG16(0-2)	0-0165-0663	125		29.75
LV-BLDG17(0-2)	0-0165-0664	144		31.3
LV-BLDG17(2-4)	0-0165-0665	31.3	U	31.3
LV-BLDG17(2-4)D	0-0165-0666	31.3	U	31.3
LV-BLDG18(2-4)	0-0165-0667	32.5	U	32.5
LV-A4(1-2)	0-0165-0094	56.6		6.1
LV-A4(1-2)D	0-0165-0095	388		27.5
LV-A4(3-4)	0-0165-0096	30.5	UJ	30.5
LV-A4(3-4)D	0-0165-0097	19.9	J	31.3
LV-A5(1-2)	0-0165-0091	86.4		5.95

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LITTLE VALLEY, NEW YORK

SAMPLE LOCATION	REAC SAMPLE NO.	RESULT	QF	RL
LV-A5(1-2)D	0-0165-0092	<b>766</b>		30.1
LV-A5(3-4)	0-0165-0093	33.5	J	31.3
LV-B1(1-2)	0-0165-0034	35.1		5.88
LV-B1(3-4)	0-0165-0035	31.3	U	31.3
LV-C2(1-2)	0-0165-0036	76.2		5.62
LV-C2(2-3)	0-0165-0037	17.6	J	33.3
LV-C3(1-2)	0-0165-0038	346		29.4
LV-C3(2-3)	0-0165-0039	22.3	J	32.5
LV-C8(1-2)	0-0165-0076	<b>134,000</b>		5560
LV-C8(3-4)	0-0165-0077	42.5		30.5
LV-C8(4-5)	0-0165-0078	13.2		5.81
LV-C8(6-7)	0-0165-0079	31.9	J	29.4
LV-D4(1-2)	0-0165-0043	<b>175,000</b>		11200
LV-D4(2-3)	0-0165-0044	386		30.5
LV-D5(0-2)	0-0165-0045	<b>6,480</b>	E	112
LV-D5(4-5)	0-0165-0046	270		30.1
LV-D5(6-7)	0-0165-0047	29.1	UJ	29.1
LV-D6(3-4)	0-0165-0048	<b>1,560</b>	E	31.3
LV-D6(4-5)	0-0165-0049	105		7.35
LV-D6(6-7)	0-0165-0050	28.7	U	28.7
LV-D7(1-2)	0-0165-0066	208		6.67
LV-D7(1-2)D	0-0165-0067	586		34.2
LV-D7(3-4)	0-0165-0068	129	J	30.5
LV-N01(0-2)	0-0165-0605	120		32.1
LV-N01(2-4)	0-0165-0606	16.6	J	36.2
LV-N02(0-2)	0-0165-0210	38.5	U	38.5
LV-N02(2-4)	0-0166-0211	28.1	U	28.1
LV-N03(0-2)	0-0165-0212	30.9	U	30.9
LV-N03(2-4)	0-0165-0213	29.4	U	29.4
LV-N03(2-4) D	0-0165-0214	28.7	U	28.7
LV-N04(0-2)	0-0165-0215	316	U	316
LV-N04(2-4)	0-0165-0216	27.5	U	27.5
LV-N05(0-2)	0-0165-0217	<b>914</b>		35.7
LV-N05(2-4)	0-0165-0218	22.6	J	30.5
LV-N07(0-2)	0-0165-0219	81.3		37.3
LV-N07(2-4)	0-0165-0220	29.4	U	29.4
LV-N08(0-2)	0-0165-0032	<b>1,700</b>		59.5
LV-N08(2-3)	0-0165-0033	427		36.8
LV-N09(0-2)	0-0165-0029	<b>24,100</b>	E	294
LV-N09(0-2)D	0-0165-0030	<b>20,000</b>	E	298
LV-N09(3-4)	0-0165-0031	11.4	J	29.4



TABLE 2  
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LITTLE VALLEY SUPERFUND SITE  
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LITTLE VALLEY, NEW YORK

SAMPLE LOCATION	REAC SAMPLE NO.	RESULT	QF	RL
LV-N11(0-2)	0-0165-0221	187		28.1
LV-N11(2-4)	0-0165-0222	<b>1,830</b>	<b>E</b>	32.9
LV-N11(4-6)	0-0165-0223	18.3	J	31.6
LV-N11(6-8)	0-0165-0224	28.1	U	28.1
LV-N13(1-2)	0-0165-0024	<b>34,400</b>		1140
LV-N13(2-3)	0-0165-0025	75.3		32.5
LV-N14(1-2)	0-0165-0026	<b>39,000</b>		1200
LV-N14(1-2)D	0-0165-0027	<b>33,000</b>		1300
LV-N14(3-4)	0-0165-0028	32.1		5.56
LV-N17(1-2)	0-0165-0040	58.7		5.49
LV-N17(1-2)D	0-0165-0041	546	J	27.5
LV-N17(2-3)	0-0165-0042	29.4	UJ	29.4
LV-N18(0-1)	0-0165-0021	81.7		5.75
LV-N18(1-2)	0-0165-0022	<b>10,600</b>		309
LV-N18(3-4)	0-0165-0023	166		30.5
LV-N19(0-2)	0-0165-0019	146		6.1
LV-N19(3-4)	0-0165-0020	64.5		6.67
LV-N21(0-2)	0-0165-0059	142		5.75
LV-N21(0-2)D	0-0165-0060	<b>1,100</b>		28.1
LV-N21(2-4)	0-0165-0061	56.9		34.2
LV-N22(0-2)	0-0165-0007	611		32.9
LV-N22(2-4)	0-0165-0008	27.8	UJ	27.8
LV-N23(0-2)	0-0165-0005	7.82	J	5.62
LV-N23(2-4)	0-0165-0006	487		35.7
LV-N24(0-2)	0-0165-0013	<b>64,600</b>	<b>E</b>	1180
LV-N24(2-4)	0-0165-0014	<b>1,490</b>		135
LV-N24(6-7)	0-0165-0015	10.1	J	28.7
LV-N24(7-8)	0-0165-0016	18.2	J	28.1
LV-N26(2-3)	0-0165-0062	62.8		5.75
LV-N26(3-4)	0-0165-0063	22.7		6.41
LV-N27(2-3)	0-0165-0009	<b>25,400</b>		167
LV-N27(3-4)	0-0165-0010	196		5.75
LV-N27(4-6)	0-0165-0011	550		29.4
LV-N27(6-8)	0-0165-0012	15.8	J	29.1
LV-N28(0-2)	0-165-0001	<b>198,000</b>		6020
LV-N28(2-4)	0-0165-0002	<b>3,590</b>		340
LV-N28(4-6)	0-0165-0003	56.4		27.2
LV-N28(6-8)	0-0165-0004	57.8		28.4
LV-N29(1-2)	0-0165-0064	52.1		5.95
LV-N29(3-4)	0-0165-0065	32.5	U	32.5
LV-N30(2-3)	0-0165-0069	<b>36,700</b>		1220

TABLE 2  
ANALYTICAL RESULTS OF TRICHLOROETHYLENE IN SOIL  
LITTLE VALLEY SUPERFUND SITE  
CATTARAUGUS CUTLERY AREA  
LITTLE VALLEY, NEW YORK

SAMPLE LOCATION	REAC SAMPLE NO.	RESULT	QF	RL
LV-N30(3-4)	0-0165-0070	28.7		5.81
LV-N30(4-5)	0-0165-0071	342	J	29.8
LV-N32(1-2)	0-0165-0072	108		6.41
LV-N32(3-4)	0-0165-0073	128	J	31.3
LV-N33(1-2)	0-0165-0074	<b>44,600</b>		1190
LV-N33(2-3)	0-0165-0075	271		35.2
LV-N35(0-2)	0-0165-0201	178		33.3
LV-N35(3-4)	0-0165-0202	<b>1,690</b>	E	34.7
LV-N35(3-4)D	0-0165-0203	<b>3,340</b>	E	34.7
LV-N35(4-5)	0-0165-0204	505		31.3
LV-N35(7-8)	0-0165-0205	29.4		29.1
LV-N36(1-2)	0-0165-0080	65.0		6.02
LV-N36(2-3)	0-0165-0081	29.0	J	32.9
LV-N37(1-2)	0-0165-0082	<b>39,000</b>		1190
LV-N37(1-2)D	0-0165-0083	<b>54,300</b>	E	595
LV-N37(3-4)	0-0165-0084	280		29.8
LV-N37(4-5)	0-0165-0085	477		30.5
LV-N37(6-7)	0-0165-0086	46.6		5.81
LV-N38(0-2)	0-0165-0206	73.2	J	29.4
LV-N38(2-4)	0-0165-0207	30.5	U	30.5
LV-N39(0-2)	0-0165-0208	649		33.3
LV-N39(2-4)	0-0165-0209	29.1	U	29.1
LV-N40(0-2)	0-0165-0017	<b>4,040</b>		305
LV-N40(2-4)	0-0165-0018	33.0	J	33.3
LV-N41(0-2)	0-0165-0248	<b>29,200</b>	E	34.7
LV-N41(2-4)	0-0165-0249	234		31.6
LV-N42(1-2)	0-0165-0087	<b>1,150</b>		30.1
LV-N42(3-4)	0-0165-0088	31.3	U	31.3
LV-N43(1-2)	0-0165-0089	187		5.88
LV-N43(3-4)	0-0165-0090	<b>1,190</b>	J	31.3
LV-N43(4-6)	0-0165-0268	7.05	J	28.1
LV-N44(0-2)	0-0165-0607	103		31.3
LV-N44(0-2)D	0-0165-0608	132		30.5
LV-N44(2-4)	0-0165-0609	523		32.1
LV-N46(0-2)	0-0165-0225	<b>3,070</b>	E	28.1
LV-N46(2-4)	0-0165-0226	239		32.5
LV-N46(2-4)D	0-0165-0227	308		32.5
LV-N47(0-2)	0-0165-0228	435		30.9
LV-N47(2-4)	0-0165-0229	20.3	J	31.3
LV-N48(0-2)	0-0165-0230	69.5		29.4
LV-N48(2-4)	0-0165-0231	44.4		32.1

TABLE 2  
ANALYTICAL RESULTS OF TRICHLOROETHYLENE IN SOIL  
LITTLE VALLEY SUPERFUND SITE  
CATTARAUGUS CUTLERY AREA  
LITTLE VALLEY, NEW YORK

SAMPLE LOCATION	REAC SAMPLE NO.	RESULT	QF	RL
LV-N49(0-2)	0-0165-0234	34.7	U	34.7
LV-N49(2-4)	0-0165-0235	36.0		33.8
LV-N50(0-2)	0-0165-0238	25.0	J	34.2
LV-N50(2-4)	0-0165-0239	76.2		33.3
LV-N50(2-4)D	0-0165-0240	87.5		33.8
LV-N51(0-2)	0-0165-0243	25.5	J	33.8
LV-N51(2-4)	0-0165-0244	25.1	J	32.9
LV-N51(2-4)D	0-0165-0245	21.2	J	32.5
LV-N52(0-2)	0-0165-0614	59.3		41
LV-N52(0-2)D	0-0165-0615	69.7		41.7
LV-N52(2-4)	0-0165-0616	19.0	J	33.8
LV-N52(2-4)D	0-0165-0617	16.2	J	34.2
LV-N54(0-2)	0-0165-0255	31.3	U	31.3
LV-N54(2-4)	0-0165-0256	30.9	U	30.9
LV-N55(0-2)	0-0165-0250	37.5		30.1
LV-N55(2-4)	0-0165-0251	31.6	U	31.6
LV-N56(0-2)	0-0165-0252	<b>27,200</b>	<b>E</b>	35.2
LV-N56(2-4)	0-0165-0253	43.8		32.5
LV-N56(2-4)D	0-0165-0254	56.2		32.9
LV-N56(4-6)	0-0165-0631	153		28.1
LV-N56(8-10)	0-0165-0632	28.4	U	28.4
LV-N59(0-2)	0-0165-0257	29.4	U	29.4
LV-N59(2-4)	0-0165-0258	30.5	U	30.5
LV-N60(0-2)	0-0165-0264	31.3	U	31.3
LV-N60(2-4)	0-0165-0265	28.6	J	30.5
LV-N61(0-2)	0-0165-0259	79.7		32.1
LV-N61(2-4)	0-0165-0260	37.9	U	37.9
LV-N63(0-2)	0-0165-0270	<b>1,770</b>	<b>E</b>	32.9
LV-N63(2-4)	0-0165-0271	<b>786</b>		37.3
LV-N63(4-6)	0-0165-0272	26.7	J	28.4
LV-N63(6-8)	0-0165-0273	11.6	J	28.4
LV-N63(6-8)D	0-0165-0274	22.0	J	28.1
LV-N64(0-2)	0-0165-0275	321		32.1
LV-N64(2-4)	0-0165-0276	18.6	J	30.5
LV-N65(0-2)	0-0165-0279	<b>1,130</b>		30.9
LV-N65(2-4)	0-0165-0280	22.3	J	29.4
LV-N66(0-2)	0-0165-0283	19.0	J	29.8
LV-N66(2-4)	0-0165-0284	37.6		34.7
LV-N67(0-2)	0-0165-0285	319	J	29.1
LV-N67(2-4)	0-0165-0286	30.1	U	30.1
LV-N68(0-2)	0-0165-0287	151	J	29.1

TABLE 2  
ANALYTICAL RESULTS OF TRICHLOROETHYLENE IN SOIL  
LITTLE VALLEY SUPERFUND SITE  
CATTARAUGUS CUTLERY AREA  
LITTLE VALLEY, NEW YORK

SAMPLE LOCATION	REAC SAMPLE NO.	RESULT	QF	RL
LV-N68(2-4)	0-0165-0288	28.4	U	28.4
LV-N68(2-4)D	0-0165-0289	28.1	U	28.1
LV-N69(0-2)	0-0165-0290	8.94	J	27.8
LV-N69(2-4)	0-0165-0291	30.1	U	30.1
LV-N70(0-2)	0-0165-0292	26.9	U	26.9
LV-N70(2-4)	0-0165-0293	30.5	U	30.5
LV-N71(0-2)	0-0165-0294	30.5	U	30.5
LV-N71(2-4)	0-0165-0295	29.1	U	29.1
LV-N72(0-2)	0-0165-0296	29.8	U	29.8
LV-N72(2-4)	0-0165-0297	30.9	U	30.9
LV-N73(0-2)	0-0165-0298	84.3		33.3
LV-N73(2-4)	0-0165-0299	22.2	J	32.9
LV-N74(0-2)	0-0165-0300	26.9	U	26.9
LV-N74(2-4)	0-0165-0301	49.9	J	32.1
LV-N75(0-2)	0-0165-0307	30.1	UJ	30.1
LV-N75(0-2)D	0-0165-0308	29.4	UJ	29.4
LV-N75(2-4)	0-0165-0309	27.5	UJ	27.5
LV-N76(0-2)	0-0165-0312	108	J	34.2
LV-N76(2-4)	0-0165-0313	29.8	UJ	29.8
LV-N77(0-2)	0-0165-0314	34.2	UJ	34.2
LV-N77(2-4)	0-0165-0315	31.6	UJ	31.6
LV-N78(0-2)	0-0165-0316	33.8	U	33.8
LV-N78(2-4)	0-0165-0317	32.1	U	32.1
LV-N78(2-4)D	0-0165-0318	31.6	U	31.6
LV-N79(0-2)	0-0165-0319	29.4	U	29.4
LV-N79(2-4)	0-0165-0320	32.5	U	32.5
LV-N79(2-4)D	0-0165-0321	33.3	U	33.3
LV-N80(0-2)	0-0165-0322	27.0	J	28.7
LV-N80(2-4)	0-0165-0323	29.4	U	29.4
LV-N81(0-2)	0-0165-0324	94.7		30.5
LV-N81(2-4)	0-0165-0325	30.5	U	30.5
LV-N82(CB)	0-0165-0331	51.0	U	51
LV-N82(0-2)	0-0165-0326	59.6		30.9
LV-N82(2-4)	0-0165-0327	38.8		28.1
LV-N82(2-4)D	0-0165-0328	28.1	U	28.1
LV-N83(0-2)	0-0165-0610	387		34.2
LV-N83(2-4)	0-0165-0611	65.7		31.3
LV-N84(0-2)	0-0165-0601	<b>1,590</b>	<b>E</b>	31.6
LV-N84(2-4)	0-0165-0602	17.3	J	34.2
LV-N85(0-2)	0-0165-0603	384		32.1
LV-N85(2-4)	0-0165-0604	30.5	U	30.5

TABLE 2  
ANALYTICAL RESULTS OF TRICHLOROETHYLENE IN SOIL  
LITTLE VALLEY SUPERFUND SITE  
CATTARAUGUS CUTLERY AREA  
LITTLE VALLEY, NEW YORK

SAMPLE LOCATION	REAC SAMPLE NO.	RESULT	QF	RL
LV-N86(0-2)	0-0165-0612	94.5		34.2
LV-N86(2-4)	0-0165-0613	11.2	J	32.9
LV-N87(0-2)	0-0165-0618	23.6	J	32.9
LV-N87(2-4)	0-0165-0619	33.8	U	33.8
LV-N88(0-2)	0-0165-0620	10.5	J	32.9
LV-N88(2-4)	0-0165-0621	36.9	J	38.5
LV-N89(0-2)	0-0165-0622	18.4	J	35.2
LV-N89(2-4)	0-0165-0623	8.71	J	32.9
LV-N90(0-2)	0-0165-0624	9.4	J	35.7
LV-N90(2-4)	0-0165-0625	29.9	J	33.3
LV-N90(2-4)D	0-0165-0626	132		33.3
LV-N90(4-6)	0-0165-0627	68.1		29.8
LV-N90(8-10)	0-0165-0628	28.4	U	28.4
LV-N91(0-2)	0-0165-0629	323		29.1
LV-N91(2-4)	0-0165-0630	34.2		33.8
LV-SD1	0-0165-0501	30.1	U	30.1
LV-SD2	0-0165-0502	32.1	U	32.1
LV-SD2D	0-0165-0503	35.7	U	35.7
LV-SD3	0-0165-0504	42.4	U	42.4

Notes: All results in micrograms per kilogram (ug/kg).

Shaded results indicate locations where the concentration of TCE exceeded the NYSDEC TAGM value of 700 ug/kg.

Sample LV-BLDG14(DR) collected from soil in interior drain.

Sample LV-N82(CB) collected from soil in catch basin adjacent to boring N82.

NYSDEC = New York State Department of Environmental Conservation

TAGM = Technical and Administrative Guidance Memorandum

TCE = Trichloroethylene

QF = Data qualifying code

RL = Laboratory reporting limit

U = Compound not detected above RL

J = Compound is present above RL; value is estimated due to limitations identified during data validation review

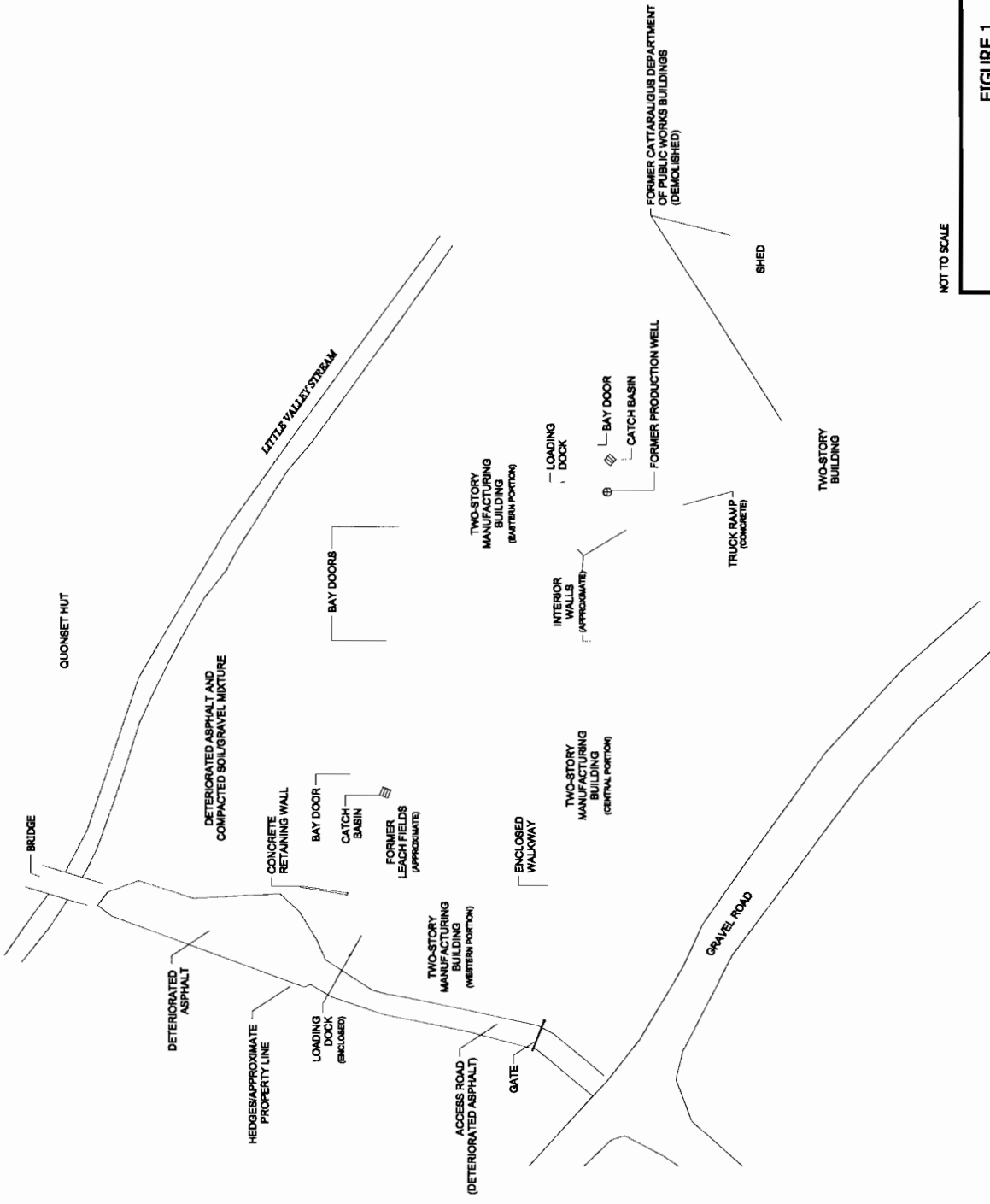
UJ = Compound is not present above RL; value is estimated due to limitations identified during data validation review

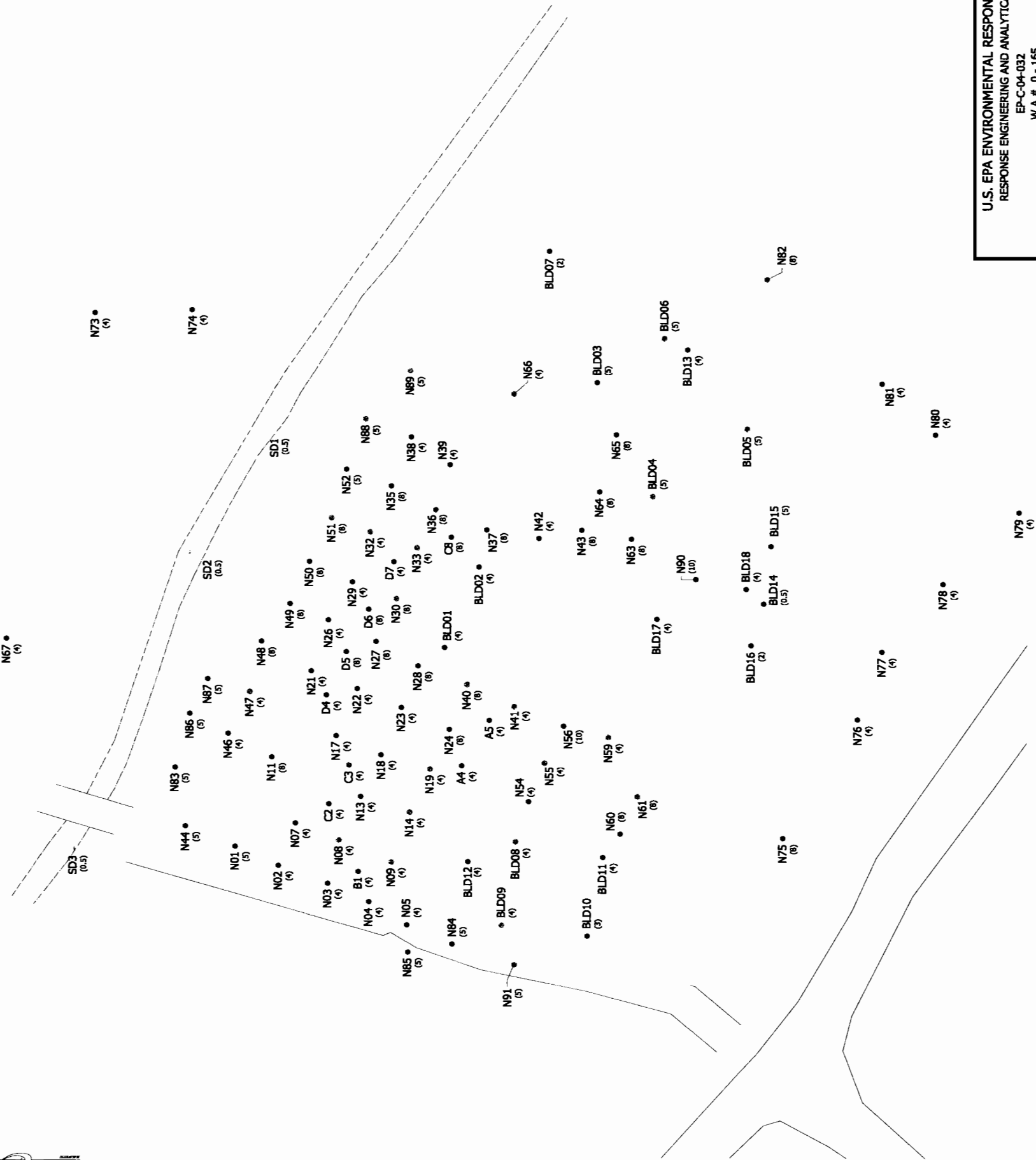
E = Compound is present at a concentration above the highest linear standard; value is estimated

FIGURE 1  
SITE SKETCH  
LITTLE VALLEY SUPERFUND SITE  
CATTARAUGUS CUTLERY AREA  
LITTLE VALLEY, NEW YORK

NOT TO SCALE

U.S. EPA ENVIRONMENTAL RESPONSE TEAM  
RESPONSE ENGINEERING AND ANALYTICAL CONTRACT  
EP-C-04-032  
W.A.P. 0 - 185





**LEGEND**

- SOIL BORING/SAMPLING LOCATION
- SEDIMENT SAMPLING LOCATION
- DEPTH OF BORING (FEET) IN PARENTHESES

NOT TO SCALE

**FIGURE 2**  
**SAMPLING LOCATION MAP**  
**LITTLE VALLEY SUPERFUND SITE**  
**CATTARAUGUS CUTLERY AREA**  
**LITTLE VALLEY, NEW YORK**

U.S. EPA ENVIRONMENTAL RESPONSE TEAM  
 RESPONSE ENGINEERING AND ANALYTICAL CONTRACT  
 EP-C-04-032  
 W.A.# 0 - 165

APPENDIX A

Soil Analytical Report  
Volatile Organic Compounds  
Samples Collected in August 2005  
Little Valley Superfund Site  
Cattaraugus Cutlery Area  
Trip Report  
June 2006



ANALYTICAL REPORT

Prepared by  
LOCKHEED MARTIN, Inc.

Little Valley Superfund Site  
Little Valley, NY

January 2006

EPA Work Assignment No.0-165  
LOCKHEED MARTIN Work Order EAC00165  
EPA Contract No. EP-C-04-032

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Appendix A Data for VOC in Air P 271 001

Appendix will be furnished on request.

## Introduction

REAC in response to WA0-165, provided analytical support for environmental samples collected from Little Valley Superfund Site, located in Little Valley, NY as described in the following table. The support also included QA/QC, data review, and preparation of an analytical report containing a summary of the analytical methods, the results, and the QA/QC results.

The samples were treated with procedures consistent with those specified in SOP #1008.

COC #	Number of Samples	Sampling Date	Date Received	Matrix	Analysis (Method)	Lab	Data Package
0-0165-061705-0002	95	8/17/05	8/18/05	Soil	VOC (SOP 1807)	REAC	P271
	6				TCLP for BNA and Metals		**

\*\* - Results of the requested TCLP for BNA and Metals analyses are contained in a separate report.

## Case Narrative

The data in this report have been validated to three significant figures. Values less than 25% of the reporting limits for organic analyses have not been reported.

### VOC in Soil Package P 271

At the request of the Work Assignment Manager, only trichloroethene, tetrachloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, toluene and total xylenes (reported separately as p&m-xylene and o-xylene) were validated and reported.

Several samples were initially analyzed at a 5X dilution in order to accommodate the site action level of 700 µg/kg for trichloroethene. Several sample undiluted analyses had surrogate percent recoveries and/or internal standard areas exceeding QC limits and were reanalyzed and reported at a 5X or higher dilution that met all QC requirements.

The following sample results are reported from a 5X dilution, except where noted, and have their reporting limits (RLs) based on the respective dilution factor:

0-0165-0089	0-0165-0078	0-0165-0084	0-0165-0085	0-0165-0060
0-0165-0016	0-0165-0035	0-0165-0037	0-0165-0050	0-0165-0065
0-0165-0071	0-0165-0073	0-0165-0081	0-0165-0038	0-0165-0041
0-0165-0067	0-0165-0014	0-0165-0017	0-0165-0022	0-0165-0045
0-0165-0026	0-0165-0027	0-0165-0029	0-0165-0048	0-0165-0087
0-0165-0092	0-0165-0095	0-0165-0011	0-0165-0008	0-0165-0077
0-0165-0039	0-0165-0047	0-0165-0068	0-0165-0079	0-0165-0090
0-0165-0093	0-0165-0096	0-0165-0097	0-0165-0042	0-0165-0003
0-0165-0015	0-0165-0018	0-0165-0023	0-0165-0025	0-0165-0031
0-0165-0033	0-0165-0044	0-0165-0075	0-0165-0061	0-0165-0088
0-0165-0006	0-0165-0004	0-0165-0012		
0-0165-0043 (40X)	0-0165-0009 (2.5X)	0-0165-0024 (100X)	0-0165-0032 (10X)	
0-0165-0013 (200X)	0-0165-0082 (100X)	0-0165-0083 (100X)	0-0165-0030 (50X)	

Several samples were reanalyzed at a dilution to bring the trichloromethane concentration within the linear calibration range. The reported RLs for trichloromethane are based on the reanalysis dilution factor for these samples.

The trichloroethene concentrations exceeded the linear calibration range and are estimated for the following samples: 0-0165-0083, 0-0165-0013, 0-0165-0030, 0-0165-0045, 0-0165-0029, 0-0165-0048, 0-0165-0019 (duplicate analysis), 0-0165-0019 MS and MSD, 0-0165-0062 MS and MSD, 0-0165-0043 40X MS and MSD and 0-0165-0032 10X MS and MSD. The percent recoveries were not calculated for the MS/MSD samples with trichloroethene concentrations exceeding the linear calibration range.

On 8/22/05 for system B, two continuing calibration verifications (CCVs) were analyzed, followed by the analyst priming the column and trap with a 200 ppb standard, then the sequence was restarted with a new tune and CCV in an effort to bring additional analytes, other than the requested 6 compounds, within the percent difference QC criteria. The REAC VOC SOP 1807 states to rerun a new initial calibration after corrective action has been done. A new initial calibration was not performed. On 8/23/05 for system B, two continuing calibration verifications (CCVs) were analyzed, followed by the analyst priming the column and trap with a 200 ppb standard, then a third CCV was analyzed in an effort to bring additional analytes, other than the requested 6 compounds, within the percent difference QC criteria. The REAC VOC SOP 1807 states to rerun a new initial calibration after corrective action has been done. A new initial calibration was not performed. All results for the following samples quantified with these (third) CCVs are estimated: 0-0-165-0098, 0-0-165-0041, 0-0-165-0008, 0-0-165-0039, 0-0-165-0047, 0-0-165-0068, 0-0-165-0079, 0-0-165-0090, 0-0-165-0093, 0-0-165-0096, 0-0-165-0097, 0-0-165-0042 and all results except for the trichloroethene results reported from a dilution run for samples 0-0-165-0026, 0-0-165-0027 and 0-0-165-0029.

Sample 0-0-165-0005 had 1 surrogate percent recovery less than the QC limit; all results are estimated.

Samples 0-0-165-068 (5X), 0-0-165-079 (5X), 0-0-165-097 (5X), 0-0-165-073 (5X), and 0-0-165-081 (5X) had 1 surrogate percent recovery greater than the QC limit (these samples were re-analyzed at the 5X dilution to bring the trichloroethene concentration within the linear calibration range); the trichloroethene results for these samples are estimated.

Sample 0-0-165-0071(5X) had 1 surrogate percent recovery greater than the QC limit, The trichloroethene and the p&m-xylene concentrations reported for this sample are estimated.

Internal standard 1,4-difluorobenzene and chlorobenzene-d<sub>5</sub> areas were less than the QC limits for sample 0-0165-0005. The trichloroethene result is estimated and the toluene, tetrachloroethene, p&m-xylene and o-xylene results are rejected.

Internal standard chlorobenzene-d<sub>5</sub> area was less than the QC limits for samples 0-0165-0062 (Duplicate analysis) and 0-0165-0022 (5X). The toluene and tetrachloroethene results reported from these analyses are estimated.

When evaluating the sample and the MS/MSD results, it should be noted that the undiluted and 5X dilution MS/MSD results are from two separate soil aliquots that are spiked and analyzed. The methanol dilution MS/MSDs, samples 0-0165-0043 40X and 0-0165-0032 10X, are from one soil aliquot that was diluted twice, spiked and analyzed.

MS/MSD samples 0-0165-0038 5X, 0-0165-0072 and 0-0165-0071 5X had trichloroethene relative percent differences (RPD) exceeding the QC limits which may indicate a sample homogeneity problem.

Sample 0-0165-0019 was analyzed in triplicate. The original trichloroethene concentration was 146 µg/kg. The sample was analyzed again undiluted along with the MS/MSD analysis with a trichloroethene spike of 61 µg/kg. The unspiked sample trichloroethene result was 756E µg/kg (file BV2057) and MS/MSD trichloroethene results were 1316E and 1421E, respectively. All trichloroethene results were significantly higher than the original sample result and exceeded the linear calibration range. The sample was analyzed again at a 5X dilution to bring the trichloroethene within the linear calibration range with a result of 2840E µg/kg indicating sample heterogeneity. The duplicate sample and the MS/MSDs contained cis-1,2-dichloroethene and chloroform <RL which were not detected in the original sample. The undiluted original results are reported in the Table 1.1, the undiluted original results and the undiluted duplicate results with the 5X dilution trichloroethene result are reported in Table 2.4. The MS/MSD percent recoveries and RPD were not calculated due to the sample results which may indicate a sample homogeneity problem.

Sample 0-0165-0062 was analyzed in triplicate and the MS/MSD was analyzed in duplicate. The original trichloroethene concentration was 62.8 µg/kg and the MS/MSD concentrations were 142 and 144 µg/kg, respectively. The sample and MS/MSD analysis were analyzed a second time. The duplicate sample trichloroethene (378E µg/kg) and MS/MSD (442E and 439E µg/kg) results were significantly higher than the original results with all exceeding the linear calibration range. Additionally, toluene and tetrachloroethene were detected in the duplicate sample. The sample was then analyzed again at a 5X dilution to bring the trichloroethene within the linear calibration range with a result of 195 µg/kg indicating sample heterogeneity. The undiluted original results are reported in the Table 1.1 and the undiluted original results and the undiluted duplicate results with the 5X dilution trichloroethene result are reported in Table 2.4. The duplicate MS/MSD percent recovery and RPD were not calculated due to the sample results which may indicate a sample homogeneity problem.

## Summary of Abbreviations

C	Centigrade				
cont.	Continued				
D	(Surrogate Table) value is from a diluted sample and was not calculated				
	(Result Table) result was obtained from a diluted sample				
Dioxin	Polychlorinated Dibenzop-dioxins (PCDD) and Dibenzofurans (PCDF)				
CLP	Contract Laboratory Procedure				
COC	Chain of Custody				
Conc	Concentration				
CRDL	Contract Required Detection Limit				
CRQL	Contract Required Quantitation Limit				
DL	Detection Limit				
E	Value is greater than the highest linear standard and is estimated				
EMPC	Estimated maximum possible concentration				
ICAP	Inductively Coupled Argon Plasma				
IS	Internal Standard				
J	Value is estimated				
LCS	Laboratory Control Sample				
LCSD	Laboratory Control Sample Duplicate				
MDL	Method Detection Limit				
MS (BS)	Matrix Spike (Blank Spike)				
MSD (BSD)	Matrix Spike Duplicate (Blank Spike Duplicate)				
MW	Molecular Weight				
NA	either Not Applicable or Not Available				
NC	Not Calculated				
NR	Not Requested				
NS	Not Spiked				
% D	Percent Difference				
% Rec.	Percent Recovery				
PAL	Permissible Acceptance Limit				
ppbv	parts per billion by volume				
PQL	Practical Quantitation Limit				
QA/QC	Quality Assurance/Quality Control				
QL	Quantitation Limit				
R	The value is not usable				
RL	Reporting Limit				
RPD	Relative Percent Difference				
RSD	Relative Standard Deviation				
SIM	Selected Ion Monitoring				
Surr	Surrogate				
TCLP	Toxic Characteristics Leaching Procedure				
U	Not detected				
m <sup>3</sup>	cubic meter	kg	kilogram	μg	microgram
L	liter	g	gram	pg	picogram
mL	milliliter	mg	milligram	ng	nanogram
μL	microliter	μg/m <sup>3</sup>	microgram/cubic meter		
*	Value exceeds the acceptable QC limit				

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Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method: REAC SOP 1807

Sample #	0-0165-0051		0-0165-0050		0-0165-0059		0-0165-0063	
Location	Soil Blank A (08-305-1)		LV-N17(1-2)		LV-N21(0-2)		LV-N26(3-4)	
% Solids	100		91		87		78	
Analysis	Result	RL	Result	HL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	5.49	U	5.75	U	6.41
cis-1,2-Dichloroethene	U	5.00	U	5.49	U	5.75	U	6.41
Trichloroethene	U	5.00	58.7	5.49	142	5.75	22.7	6.41
Toluene	U	5.00	U	5.49	U	5.75	U	6.41
Tetrachloroethene	U	5.00	U	5.49	U	5.75	U	6.41
p&m-Xylene	U	10.0	U	11.0	U	11.5	U	12.8
o-Xylene	U	5.00	U	5.49	U	5.75	U	6.41

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method: REAC SOP 1807	Soil bank B 081905-1		0-0165-0002		0-0165-0007		0-165-0001	
Sample #			LV-N2B(2-4)		LV-N2B(0-2)		LV-N2B(0-2)	
Location			B1		B0		B3	
% Solids	100							
Analyte	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	6.85	U	6.58	U	6.02
cis-1,2-Dichloroethene	U	5.00	U	6.85	U	6.58	U	6.02
Trichloroethene	U	5.00	3590	340	611	32.9	146000	6220
Toluene	U	5.00	U	6.85	U	6.58	7.51	6.02
Tetrachloroethene	U	5.00	U	6.85	U	6.58	U	6.02
p&m-Xylene	U	10.0	U	13.7	U	13.2	11.4	12.0
o-Xylene	U	5.00	U	6.85	U	6.58	U	6.02



Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site

Method: REAC SOP 1807

Based on Dry Weight

Sample #	MeOH Blank A 082605-1		0-165-0041		0-165-0032	
			LV-04(1-2)	LV-06(0-2)		
Location			89	84		
% Solid	100					
Analyte	Result	PL	Result	PL	Result	PL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	250	U	225	U	59.5
cis-1,2-Dichloroethene	U	250	U	225	U	59.5
Trichloroethene	U	250	175000	11200	1700	59.5
Toluene	U	250	U	225	U	59.5
Tetrachloroethene	U	250	168	U	225	16.9
p&m-Xylene	U	500	U	449	U	119
o-Xylene	U	250	U	225	U	59.5

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method: REAC SOP 1607

Sample # MeCH Blank A 082205-1 0-0165-0024  
 Location LV N131-20

Analyte	100		BB	
	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	250	U	568
cis-1,2-Dichloroethene	U	250	U	568
Trichloroethene	U	250	34400	1140
Toluene	U	250	U	568
Tetrachloroethene	U	250	U	568
p&m-Xylene	U	500	U	1140
o-Xylene	U	250	U	568

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method	REAC SOP 1607										
Sample #	Soil Exch A GR2305-1		0-0165-0069		0-0165-0076		0-0165-0388		0-0165-00e5		
Location	LV N37(2-3)		LV N37(2-3)		LV CA#1-2		LV N37(3-4)		LV N37(4-5)		
Sample	10C		82		90		94		92		
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	
trans-1,2-Dichloroethene	U	5.00	U	30.5	16.3	J	27.8	U	29.8	U	30.5
cis-1,2-Dichloroethene	U	5.00	U	30.5	114		27.8	U	29.8	U	30.5
Trichloroethene	U	5.00	36700	1220	134000		5560	260	29.8	477	30.5
Toluene	U	5.00	U	30.5	U		27.8	U	29.8	U	30.5
Tetrachloroethene	U	5.00	U	30.5	169		27.8	U	29.8	U	30.5
p&m-Xylene	U	10.0	U	61.0	U		55.6	U	59.5	U	61.0
o-Xylene	U	5.00	U	30.5	U		27.8	U	29.8	U	30.5

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method REAC SOP 1607

Sample # Soil Blank A 082005-1 GC165-0060  
 Location VV N211-21D

Analyte	10C		69	
	Result	RL	Result	RL
Unit	ug/kg	ug/kg	ug/kg	ug/kg
trans-1,2-Dichloroethene	U	5.00	U	28.1
cis-1,2-Dichloroethene	U	5.00	U	28.1
Trichloroethene	U	5.00	1100	28.1
Toluene	U	5.00	U	28.1
Tetrachloroethene	U	5.00	8.61	U
p&m-Xylene	U	10.0	U	56.2
o-Xylene	U	5.00	U	28.1

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method	REAC SOP 1807									
Sample #	McOH Blank A 082905 1		0-0165-0082		0-0165-0083		0-0165-0013		0-0165-0030	
Location	LV-N37(1-2)		LV-N37(1-2)		LV-N37(1-2)D		LV-N24(0-2)		LV-N63(0-2)D	
% Solids	100		84		84		85		84	
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	250	U	595	U	595	U	1180	U	298
cis-1,2-Dichloroethene	U	250	U	595	U	595	U	1180	U	298
Trichloroethene	U	250	39000	1190	54300	E	595	24600	E	298
Toluene	U	250	U	595	U	595	U	1180	U	298
Tetrachloroethene	U	250	U	595	U	595	U	1180	U	298
p&m-Xylene	U	500	U	1190	U	1190	U	2350	U	595
o-Xylene	U	250	U	595	U	595	U	1180	U	298

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method	REAC SCP 1807	Soil Blank A 062905-1		0-0165-0016 (LV N24,7 B)		0-0165-0035 (LV B1 3-4)		0-0165-0037 (LV C212 3)		0-0165-0050 (LV D216 7)	
Location											
% Spkg	100										
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	
trans-1,2-Dichloroethene	U	5.00	U	28.1	U	31.3	U	33.3	U	28.7	
cis-1,2-Dichloroethene	U	5.00	U	28.1	U	31.3	U	33.3	U	28.7	
Trichloroethene	U	5.00	18.2 U	28.1	U	31.3	17.6 U	33.3	U	28.7	
Toluene	U	5.00	U	28.1	U	21.3	U	33.3	U	28.7	
Tetrachloroethene	U	5.00	U	28.1	U	31.3	U	33.3	U	28.7	
p&m-Xylene	U	10.0	U	56.2	U	42.5	U	66.7	U	57.5	
o-Xylene	U	5.00	U	28.1	U	31.3	U	33.3	U	28.7	

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method	REAC SOP 1607										
Sample #	Soil Blank A 062005-1		0-0165-0065		0-0165-0071		0-0165-0073		0-0165-0087		
Location	LV-N29(3-4)		LV-N29(3-4)		LV-N30(4-5)		LV-N32(3-4)		LV-N36(2-3)		
% Solid	1.00		77		84		80		76		
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	
trans-1,2-Dichloroethene	U	5.00	U	32.5	U	29.8	U	31.3	U	32.9	
cis-1,2-Dichloroethene	U	5.00	U	32.5	U	29.8	U	31.3	U	32.9	
Trichloroethene	U	5.00	U	32.5	342	J	29.8	128	J	32.9	
Toluene	U	5.00	U	32.5	U	29.8	U	31.3	U	32.9	
Tetrachloroethene	U	5.00	U	32.5	U	29.8	U	31.3	U	32.9	
p&m-Xylene	U	10.0	U	64.9	9.82	J	59.5	U	62.5	U	65.8
o-Xylene	U	5.00	U	32.5	U	29.8	U	31.3	U	32.9	

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method	Soil Blank B 061905-1		0-0165-0005		0-0165-0020	
Sample #			LV N290-2)		LV-N19(3-4)	
Excavation			89		75	
% Sand	1.00					
Analyte	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	5.62	U	6.67
cis-1,2-Dichloroethene	U	5.00	U	5.62	U	6.67
Trichloroethene	U	5.00	7.82	5.62	64.5	6.67
Toluene	U	5.00	R	5.62	U	6.67
Tetrachloroethene	U	5.00	R	5.62	U	6.67
p&m-Xylene	U	10.0	R	11.2	U	13.3
o-Xylene	U	5.00	R	5.62	U	6.67



Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method REAC SOP 1807

Sample #	Soil Blank B 062005-1		0-0165-0064 LV-N29(1-2)		0-0165-0066 LV-D7(1-2)		0-0165-0070 LV-N30(1-4)		0-0165-0086 LV-N37(6-7)	
Location	100		84		75		86		96	
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	5.95	U	6.67	U	5.81	U	5.81
cis-1,2-Dichloroethene	U	5.00	U	5.95	U	6.67	U	5.81	U	5.81
Trichloroethene	U	5.00	52.1	5.95	208	6.67	28.7	5.81	46.6	5.81
Toluene	U	5.00	U	5.95	U	6.67	U	5.81	U	5.81
Tetrachloroethene	U	5.00	U	5.95	U	6.67	U	5.81	U	5.81
p&m-Xylene	U	10.0	U	11.9	U	13.3	U	11.6	U	11.6
o-Xylene	U	5.00	U	5.95	U	6.67	U	5.81	U	5.81

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method REAC SOP 1807

Sample #	Soil Blank B 062005-1A		0-0165-0021		0-0165-0069		0-0165-0036	
			LV-N18(0-1)		LV-N43(1-2)		LV-C3(1-2)	
Location								
% Solid	100		87		85		85	
Analyte	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	5.75	U	5.88	U	29.4
cis-1,2-Dichloroethene	U	5.00	U	5.75	U	5.88	U	29.4
Trichloroethene	U	5.00	81.7	5.75	187	5.88	346	29.4
Toluene	U	5.00	U	5.75	U	5.88	U	29.4
Tetrachloroethene	U	5.00	U	5.75	U	5.88	U	29.4
p&m-Xylene	U	15.0	U	11.6	U	11.6	U	58.8
o-Xylene	U	5.00	U	5.75	U	5.88	U	29.4

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method	REAC SCP 1807					
Sample #	Soil Bank B 062005-1A		0-0165-0010		0-0165-0046	
Location			LV-N27(3-4)		LV-D5(4-5)	
% Sand	110		87		83	
Analyte	RL	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	5.75	U	6.02
cis-1,2-Dichloroethene	U	5.00	U	5.75	U	6.02
Trichloroethene	U	5.00	196	5.75	270	30.1
Toluene	U	5.00	U	5.75	8.33	6.02
Tetrachloroethene	U	5.00	U	5.75	2.58	6.02
p&m-Xylene	U	15.0	U	11.5	U	12.0
o-Xylene	U	5.00	U	5.75	U	6.02

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method REAC SOP 1807				
Sample #	Soil Blank B 062005-1A		0-0165-0062	
Location			LV-120(2, 3)	
% Solids	110		87	
Analyte	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	5.75
cis-1,2-Dichloroethene	U	5.00	U	5.75
Trichloroethene	U	5.00	62.8	5.75
Toluene	U	5.00	U	5.75
Tetrachloroethene	U	5.00	U	5.75
p&m-Xylene	U	10.0	U	11.5
o-Xylene	U	5.00	U	5.75

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method	REAC SOP 1807							
Sample #	S01 Blank 6 0P2015-3		0-0165-0094		0-0165-0049		0-0165-0072	
Location	LV-A4(1-2)		LV-B6(4-5)		LV-N32(1-2)			
% Solid	1.00		82		68		78	
Analyte	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	6.10	U	7.35	U	6.41
cis-1,2-Dichloroethene	U	5.00	U	6.10	U	7.35	U	6.41
Trichloroethene	U	5.00	56.6	6.10	105	7.35	108	6.41
Toluene	U	5.00	U	6.10	2.54	7.35	U	6.41
Tetrachloroethene	U	5.00	U	6.10	U	7.35	U	6.41
p&m-Xylene	U	10.0	U	12.2	U	14.7	U	12.8
o-Xylene	U	5.00	U	6.10	U	7.35	U	6.41

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method REAC SOP 1807

Sample #

Soil Bank B 052005-3

0-0165-0080

Location

LV NS0112)

in Sand

130

53

Analyte

Result

RL

Result

RL

Unit

ug/kg

ug/kg

ug/kg

ug/kg

trans-1,2-Dichloroethene

U

5.00

U

6.02

cis-1,2-Dichloroethene

U

5.00

U

6.02

Trichloroethene

U

5.00

65.0

6.02

Toluene

U

5.00

U

6.02

Tetrachloroethene

U

5.00

U

6.02

p&m-Xylene

U

10.0

U

12.0

o-Xylene

U

5.00

U

6.02

Table 1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method REAC SOP 1807

Sample #	Soil Batch B 082205-1		0 0165-0061		0-0165-0076	
Location			LV-A5(1-2)		LV-C4(4-5)	
% Solids	100		84		86	
Analyte	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	5.95	U	5.81
cis-1,2-Dichloroethene	U	5.00	U	5.95	U	5.81
Trichloroethene	U	5.00	46.4	5.95	13.2	5.81
Toluene	U	5.00	U	5.95	U	5.81
Tetrachloroethene	U	5.00	U	5.95	U	5.81
p&m-Xylene	U	10.0	U	11.9	U	11.6
o-Xylene	U	5.00	U	5.95	U	5.81

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method	Soil Blank B 062305-1		0165-0096		0165-0041		0165-0067				
Sample #											
Location			FB 01		LV-N1711-210		LV-D711-210				
% Solid	100		100		91		73				
Analyte	Result	RL	Result	RL	Result	RL	Result	RL			
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg			
trans-1,2-Dichloroethene	U	5.00	U	J	5.00	U	J	27.5	U	34.2	
cis-1,2-Dichloroethene	U	5.00	U	J	5.00	U	J	27.5	U	34.2	
Trichloroethene	U	5.00	U	J	5.00	586	J	27.5	586	34.2	
Toluene	U	5.00	U	J	5.00	U	J	27.5	U	34.2	
Tetrachloroethene	U	5.00	U	J	5.00	U	J	27.5	11.4	J	34.2
p&m-Xylene	U	10.0	U	J	10.0	U	J	54.9	U	68.5	
o-Xylene	U	5.00	U	J	5.00	U	J	27.5	U	34.2	



Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method REAC SOP 1807

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Sample #	Soil Blank B 082205-1		0-0165-0100	
Location	100		TB-01	
Depth	100		100	
Analyte	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	5.00
cis-1,2-Dichloroethene	U	5.00	U	5.00
Trichloroethene	U	5.00	U	5.00
Toluene	U	5.00	U	5.00
Tetrachloroethene	U	5.00	U	5.00
p&m-Xylene	U	10.0	U	10.0
o-Xylene	U	5.00	U	5.00

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method REAC SOP 1807				
Sample #	Soil Blank 6 081005-1		0-0165-0074	
Location			Lv-N63(1-2)	
% Solid	100		84	
Analyte	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	5.95
cis-1,2-Dichloroethene	U	5.00	U	5.95
Trichloroethene	U	5.00	44600	1190
Toluene	U	5.00	U	5.95
Tetrachloroethene	U	5.00	U	5.95
p&m-Xylene	U	10.0	U	11.9
o-Xylene	U	5.00	U	5.95

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method: REAC SOP 1807

Sample #	Soil Blank B 0e2900-5		0-0165-0014		0-0165-0017		0-0165-0022	
Location	LV-N24(2-4)		LV-N44(0-2)		LV-N44(0-2)		LV-N44(0-2)	
% Solid	100	74	74	82	82	81	81	81
Analyte	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	33.8	U	30.5	U	30.9
cis-1,2-Dichloroethene	U	5.00	U	33.8	U	30.5	U	30.9
Trichloroethene	L	5.00	1490	135	4040	305	10600	309
Toluene	U	5.00	U	33.8	U	30.5	U	30.9
Tetrachloroethene	U	5.00	U	33.8	U	30.5	U	30.9
p&m-Xylene	U	10.0	U	67.6	U	61.0	U	61.7
o-Xylene	U	5.00	U	33.8	U	30.5	U	30.9

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site

Method	Based on Dry Weight									
REAC SOP 1807	Soil Blank B 062305-1		0-0165-0045		0-0165-0026		0-0165-0027		0-0165-0028	
Sample #			LV 0540-2)		LV N1411-2)		LV N1411-2D		LV N0900-2)	
Location										
IC 564d										
Analyte	130	RL	88	RL	85	RL	77	RL	85	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	26.1	U	36.1	U	32.5	U	29.4
cis-1,2-Dichloroethene	U	5.00	U	28.1	1.78	36	116	32.5	12.8	29.4
Trichloroethene	U	5.00	480	E 112	39000	1200	39000	1300	24100	E 294
Toluene	U	5.00	U	28.1	7.60	30.1	U	32.5	6.03	29.4
Tetrachloroethene	U	5.00	12.8	J 28.1	396	J 30.1	384	J 32.5	U	J 29.4
p&m-Xylene	U	10.0	U	66.2	U	60.2	U	64.9	U	58.8
o-Xylene	U	5.00	U	28.1	U	30.1	U	32.5	U	29.4

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method REAC SOP 1607

Sample #	082305-2		0-0165-0048		0-0165-0087		0-0165-0092		0-0165-0095	
Location	LV-D6(3-4)		LV-D6(3-4)		LV-N42(1-2)		LV-A5(1-2)D		LV-A4(1-2)D	
No. Soils	100		80		63		63		91	
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	31.3	U	30.1	U	30.1	U	27.5
cis-1,2-Dichloroethene	U	5.00	U	31.3	U	30.1	U	30.1	U	27.5
Trichloroethene	U	5.00	1560 E	31.3	1150	30.1	766	30.1	366	27.5
Toluene	U	5.00	U	31.3	U	30.1	U	30.1	U	27.5
Tetrachloroethene	U	5.00	U	31.3	9.51 U	30.1	U	30.1	U	27.5
p&m-Xylene	U	10.0	U	62.5	U	60.2	U	60.2	U	54.9
o-Xylene	U	5.00	U	31.3	U	30.1	U	30.1	U	27.5

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method REAC SOP 1807

Sample #	Soil Blank B Oct.005-2		0-0165-0011 (LV-N274-6)		0-0165-0019 (LV-N195-2)		0-0115-0077 (LV-C665-4)	
	100	RL	50	RL	52	RL	52	RL
Location	Result	RL	Result	RL	Result	RL	Result	RL
% Sand	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Analyte	Result	RL	Result	RL	Result	RL	Result	RL
trans-1,2-Dichloroethene	U	5.00	U	29.4	U	6.10	U	30.5
cis-1,2-Dichloroethene	U	5.00	U	29.4	U	6.10	U	30.5
Trichloroethene	U	5.00	550	29.4	146	6.10	42.5	30.5
Toluene	U	5.00	U	29.4	U	6.10	U	30.5
Tetrachloroethene	U	5.00	U	29.4	U	6.10	U	30.5
p&m-Xylene	U	10.0	U	58.8	U	12.2	U	61.0
o-Xylene	U	5.00	U	29.4	U	6.10	U	30.5

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method	REAC SOP 1807										
Sample #	Soil Blank B 062505-1		0-0165-0006		0-0165-0009		0-0165-0047		0-0165-0068		
Location			LV-N2(2-4)		LV-C3(2-3)		LV-D5(6-7)		LV-D7(3-4)		
% Sand	100		90		77		86		92		
Analyte	Result	PL	Result	PL	Result	PL	Result	PL	Result	PL	
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	
Trans-1,2-Dichloroethene	U	5.00	U	J	27.8	U	J	32.5	U	J	30.5
cis-1,2-Dichloroethene	U	5.00	U	J	27.8	U	J	32.5	U	J	30.5
Trichloroethene	U	5.00	U	J	27.8	22.5	J	32.5	U	J	29.1
Toluene	U	5.00	U	J	27.8	U	J	32.5	U	J	29.1
Tetrachloroethene	U	5.00	U	J	27.8	U	J	32.5	U	J	29.1
p&m-Xylene	U	15.0	U	J	55.6	U	J	64.9	U	J	58.1
o-Xylene	U	5.00	U	J	27.8	U	J	32.5	U	J	29.1

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # G-165 Little Valley Superfund Site  
 Based on Dry Weight

Method	REAC SOP 1607		0-0165-0079		0-0165-0090		0-0165-0095		0-0165-0096	
Sample #	S01 Bunk B 062505-1		LV 0616-7		LV 0613(3-4)		LV A5(3-4)		LV A4(3-4)	
Location	160		65		80		80		82	
% Solids	160		65		80		80		82	
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	29.4	U	31.3	U	31.3	U	30.5
cis-1,2-Dichloroethene	U	5.00	U	29.4	U	31.3	U	31.3	U	30.5
Trichloroethene	U	5.00	31.9	29.4	1190	31.3	33.5	31.3	U	30.5
Toluene	U	5.00	U	29.4	U	31.3	U	31.3	U	30.5
Tetrachloroethene	U	5.00	U	29.4	8.39	31.3	U	31.3	U	30.5
p&m-Xylene	U	10.0	U	58.8	U	62.5	U	62.5	U	61.0
o-Xylene	U	5.00	U	29.4	U	31.3	U	31.3	U	30.5



Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method REAC SOP 1807

Sample #	Soil Blank B 082505-1		0-0165-0097		0-0165-0042		Unit
	100		80		85		
Laboratory	100		80		85		
Soil	100		80		85		
Analyte	Result	RL	Result	RL	Result	RL	
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	
trans-1,2-Dichloroethene	U	5.00	U	J	31.3	J	29.4
cis-1,2-Dichloroethene	U	5.00	U	J	31.3	U	29.4
Trichloroethene	U	5.00	19.9	J	31.3	U	29.4
Toluene	U	5.00	U	J	31.3	U	29.4
Tetrachloroethene	U	5.00	U	J	31.3	U	29.4
p&m-Xylene	U	10.0	U	J	62.5	U	58.8
o-Xylene	U	5.00	U	J	31.3	U	29.4

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method REAC SOP 1807

Sample #	Soil Blank B 0e2605-1		0-0165-0009 LV N26(4-6)		0-0165-0015 LV N24(6-7)		0-0165-0018 LV N40(2-4)		0-0165-0025 LV N17(3-4)	
% Solid	100		96		87		75		82	
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	27.2	U	26.7	U	33.3	U	30.5
cis-1,2-Dichloroethene	U	5.00	U	27.2	U	26.7	U	33.3	U	30.5
Trichloroethene	U	5.00	56.4	27.2	10.1	26.7	33.0	33.3	106	30.5
Toluene	U	5.00	U	27.2	U	26.7	U	33.3	U	30.5
Tetrachloroethene	U	5.00	U	27.2	U	26.7	U	33.3	U	30.5
p&m-Xylene	U	10.0	U	54.3	U	57.5	U	66.7	U	61.0
o-Xylene	U	5.00	U	27.2	U	26.7	U	33.3	U	30.5

Table 1 1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method REAC SOP 1807

Sample #	Soil Blank B 062605-1		0-0165-0025		0-0165-0031		0-0165-0039		0-0165-0044	
Location	LV-N13(2-3)		LV-N13(2-3)		LV-N09(3-4)		LV-N09(2-3)		LV-D4(2-3)	
% Solid	100		77		85		68		82	
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	32.5	U	29.4	U	36.8	U	30.5
cis-1,2-Dichloroethene	U	5.00	U	32.5	U	29.4	U	36.8	U	30.5
Trichloroethene	U	5.00	75.3	32.5	11.4	J	427	36.8	386	30.5
Toluene	U	5.00	U	32.5	J	29.4	U	36.8	U	30.5
Tetrachloroethene	U	5.00	U	32.5	U	29.4	21.6	J	36.8	30.5
p&m-Xylene	U	10.0	U	64.9	U	58.8	U	73.5	J	67.0
o-Xylene	U	5.00	U	32.5	U	29.4	U	36.8	U	30.5

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site

Method	Based on Dry Weight									
REAC SOP 1807	Soil Blank B 082605-1		0-0165-0075		0-0165-0061		0-0165-0068		0-0165-0004	
Sample #			LV N03(2-3)		LV N21(2-4)		LV-N42(3-4)		LV N26(6-8)	
Location			71		73		80		88	
% Solids	100									
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	35.2	U	34.2	U	31.5	U	28.4
cis-1,2-Dichloroethene	U	5.00	U	35.2	U	34.2	U	31.3	U	28.4
Trichloroethene	U	5.00	271	35.2	56.9	34.2	U	31.3	57.8	28.4
Toluene	U	5.00	U	35.2	U	34.2	U	31.3	U	28.4
Tetrachloroethene	U	5.00	U	35.2	U	34.2	U	31.3	U	28.4
p&m-Xylene	U	10.0	U	70.4	U	68.5	U	62.5	U	56.8
o-Xylene	U	5.00	U	35.2	U	34.2	U	31.3	U	28.4

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method REAC SOP 1807

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Sample #	Soil Batch B 082605-1		0-0165-00-2	
	LV N2716-B		LV N2716-B	
Location				
% Solid	100		86	
Analyte	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	29.1
cis-1,2-Dichloroethene	U	5.00	U	29.1
Trichloroethene	U	5.00	16.6 J	29.1
Toluene	U	5.00	U	29.1
Tetrachloroethene	U	5.00	U	29.1
p&m-Xylene	U	10.0	U	58.1
o-Xylene	U	5.00	U	29.1

Table 2.1 Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Analysis Date		08/19/05						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3	
AV1450.D	Soil Blank A 081905-1	121799	950751	532842	109	108	92	
AV1451.D	LCS-AS-19	122198	930340	530133	109	106	91	
AV1452.D	0-0165-0001	102447	738662	309601	112	129	72	
AV1453.D	0-0165-0002	112888	834646	398034	111	121	76	
AV1454.D	0-0165-0005/5x	115505	863978	478724	112	109	85	
AV1455.D	0-0165-0006/5x	108908	834062	448140	109	112	82	
AV1456.D	0-0165-0007	109092	810794	385169	110	121	72	
Cal Check Area		AV1446.D	134478	997082	613879			

Analysis Date		08/19/05						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3	
AV1461.D	Soil Blank A 081905-2	116354	862946	483951	102	108	90	
AV1462.D	LCS-AS	110755	826377	472959	104	106	89	
AV1464.D	0-0165-0009/2.5x	97799	731633	358123	105	120	70	
AV1465.D	0-0165-0028	103119	774720	448494	107	107	89	
AV1466.D	0-0165-0032	102569	768198	433629	108	109	87	
AV1467.D	0-0165-0032 MS	92629	656758	267185	105	139	60	
AV1468.D	0-0165-0032 MSD	95699	669261	286395	105	135	64	
AV1469.D	0-0165-0034	95436	711122	380217	109	114	77	
AV1470.D	0-0165-0036	100428	715810	371668	110	118	73	
AV1471.D	0-0165-0038	85470	643577	288203	109	131	68	
AV1472.D	0-0165-0038 MS	83048	602411	234607	106	144	59	
AV1473.D	0-0165-0038 MSD	78325	583800	231985	110	142	61	
AV1474.D	0-0165-0040	94098	713810	403117	111	109	82	
AV1475.D	0-0165-0059	94973	711575	408470	110	109	84	
AV1476.D	0-0165-0063	97326	722204	418159	113	108	86	
Cal Check Area		AV1460.D	110198	836147	514415			

					Surrogate QC Limits	
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	70-121		
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	84-138		
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	59-113		

Analysis Date		08/20/05						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3	
AV1496.D	Water Blank A 082005-1	115458	881456	503529	103	104	96	
AV1497.D	LCS-AW-19	108073	829701	483447	106	101	94	
AV1498.D	0-106-0043/40x	102622	793437	490346	104	100	96	
AV1499.D	0-106-0043/40X MS	104414	807291	503726	103	99	98	
AV1500.D	0-106-0043/40X MSD	106574	826060	513258	102	99	98	
AV1501.D	0-106-0032	106295	826133	498894	102	100	102	
AV1502.D	0-106-0032 MS	101428	827809	482111	102	103	102	
AV1503.D	0-106-0032 MSD	103286	848276	488501	101	104	102	
AV1505.D	0-106-0001/50X	111712	876750	523439	100	103	104	
Cal Check Area		AV1490.D	102096	773891	475318			

					Surrogate QC Limits	
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	76 - 114		
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	88 - 110		
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	86 - 115		

Table 2.1 (cont.) Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Analysis Date	08/23/05							
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3	
AV1546.D	Soil Blank A 082305-1	91187	661661	399731	108	105	92	
AV1547.D	LCS-AS-21	84888	660714	391447	110	105	88	
AV1548.D	0-0165-0069/5x	78548	570379	312841	113	115	75	
AV1549.D	0-0165-0076/5x	75446	562089	309566	113	113	76	
AV1550.D	0-0165-0084/5x	87010	651733	390902	108	106	89	
AV1551.D	0-0165-0085/5x	81243	607068	369743	113	105	87	
AV1553.D	0-0165-0060/5x	69596	531600	282732	117	118	73	
Cal Check Area	AV1540.D	84530	643171	425127				

		Surrogate QC Limits		
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	70-121
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	84-138
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	59-113

Analysis Date	08/22/05							
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3	
AV1511.D	MeOH Blank A 082205	119848	930863	526472	98	104	98	
AV1512.D	LCS-AW-20	121722	911404	512264	102	104	95	
AV1513.D	0-0165-0043/400X	114019	869899	516629	101	102	97	
AV1514.D	0-0165-0074/200X	111330	871391	503776	103	102	97	
AV1515.D	0-0165-0001/1000X	107424	847958	490229	102	103	99	
AV1516.D	0-0165-0002/50X	106642	802248	482356	103	101	99	
AV1517.D	0-0165-0009/100X	105947	819965	490758	103	100	97	
AV1518.D	0-0165-0043/2000X	106887	835462	485828	103	102	98	
AV1519.D	0-0165-0024/100X	105160	840521	485432	103	102	96	
AV1520.D	0-0165-0017/50X	106367	795495	483689	103	100	98	
AV1521.D	0-0165-0022/50X	104565	813938	490860	104	101	96	
AV1522.D	0-0165-0014/20X	106957	818432	489412	104	102	97	
AV1523.D	0-0165-0024/200X	103884	856993	486406	105	104	96	
Cal Check Area	AV1510.D	129020	936389	540649				

Analysis Date	08/23/05							
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3	
AV1557.D	MeOH Blank A 082305-1	99105	784206	447646	104	104	92	
AV1558.D	0-0165-0069/100X	97003	745182	442522	105	102	95	
AV1559.D	0-0165-0076/500X	95424	725719	434492	102	101	95	
AV1560.D	0-0165-0077/100X	95617	764650	440068	104	103	93	
AV1561.D	0-0165-0082/100X	93443	763541	433294	104	104	94	
AV1562.D	0-0165-0083/100X	94855	755959	429799	104	104	94	
AV1563.D	0-0165-0013/200X	91810	743277	426155	104	104	96	
AV1564.D	0-0165-0026/200X	92129	739252	423746	103	104	95	
AV1565.D	0-0165-0022/200X	91452	741303	422907	104	104	95	
AV1566.D	0-0165-0029/50X	91936	696408	418034	103	102	97	
AV1567.D	0-0165-0030/50X	89886	696881	416029	103	102	97	
AV1568.D	0-0165-0045/20X	87832	678030	408234	103	101	99	
AV1569.D	0-0165-0069/200X	90159	739786	418183	104	104	96	
AV1570.D	0-0165-0076/1000X	92681	742973	423538	103	104	95	
AV1571.D	0-0165-0082/200X	94409	754518	421811	105	105	96	
Cal Check Area	AV1556.D	102457	755351	453217				

		Surrogate QC Limits		
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	76 - 114
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	88 - 110
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	86 - 115

Table 2.1 (cont.) Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Analysis Date		08/26/05						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3	
AV1611.D	Soil Blank A 082605-1	136966	1048116	577480	111	106	94	
AV1612.D	0-0165-0016/5x	128200	950366	539651	117	103	92	
AV1613.D	0-0165-0035/5x	113271	853595	493405	120	103	90	
AV1614.D	0-0165-0037/5x	104915	792202	452714	121	104	88	
AV1615.D	0-0165-0050/5x	98972	741667	435472	125 *	102	89	
AV1616.D	0-0165-0065/5x	97201	741583	436387	127 *	102	87	
AV1617.D	0-0165-0071/5x	92973	709882	415172	126 *	103	86	
AV1618.D	0-0165-0071/5x ms	95120	718744	423271	127 *	101	86	
AV1619.D	0-0165-0071/5x msd	94531	694219	414431	128 *	101	85	
AV1620.D	0-0165-0073/5x	92447	701967	412042	131 *	103	85	
AV1621.D	0-0165-0081/5x	89023	663081	393905	132 *	103	85	
AV1622.D	0-0165-0081/5x ms	90875	683790	405019	131 *	101	84	
AV1623.D	0-0165-0081/5x msd	91030	672957	403230	130 *	100	84	
Cal Check Area		AV1608.D	168500	1245840	711525			
Analysis Date		08/29/05						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3	
AV1637.D	Soil Blank A 082905-1	90462	685119	432625	112	111	87	
AV1638.D	LCS AS 22	79977	611431	399875	116	107	83	
AV1639.D	0-0165-0050/5x	66769	523570	346118	124 *	108	81	
AV1640.D	0-0165-0065/5x	63458	485239	326604	125 *	107	81	
AV1641.D	0-0165-0073/5x	61301	465960	308013	123 *	110	78	
AV1642.D	0-0165-0068/5x	55630	430314	289070	127 *	109	79	
AV1643.D	0-0165-0079/5x	56175	424683	286020	125 *	107	79	
AV1644.D	0-0165-0097/5x	55816	417603	280950	127 *	109	80	
Cal Check Area		AV1631.D	74865	551405	432857			
IS 1	Bromochloromethane		Surr. 1	1,2-Dichloroethane-d4	70-121			
IS 2	1,4-Difluorobenzene		Surr. 2	Toluene-d8	84-138			
IS 3	Chlorobenzene-d5		Surr. 3	p-Bromofluorobenzene	59-113			



Table 2.1 (cont.) Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Analysis Date	08/19/05						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
BV1940.D	Soil Blank B 081905-1	177139	1470224	780401	111	99	92
BV1941.D	LCS-BS-27	165162	1438597	739203	110	99	90
BV1950.D	0-0165-0005	102230	704359	227011	121	142	50
BV1951.D	0-0165-0020	136718	1115121	540804	115	108	78
Cal Check Area	BV1939.D	192109	1594180	874158			

Analysis Date	08/19/05						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
BV1959.D	Soil Blank B 082005-1	167934	1421844	737336	103	101	96
BV1960.D	LCS-BS-28	168596	1440760	742229	103	101	96
BV1964.D	0-0165-0005	115470	813625	251376	109	147	56
BV1965.D	0-0165-0064	142260	1110618	495492	105	113	81
BV1966.D	0-0165-0066	155101	1214364	607181	107	104	92
BV1967.D	0-0165-0070	130048	1042974	536452	105	102	92
BV1968.D	0-0165-0074	136883	947826	386822	106	125	70
BV1969.D	0-0165-0086	153317	1227406	638648	105	102	94
Cal Check Area	BV1953.D	170491	1430490	766016			

Analysis Date	08/20/05						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
BV1973.D	Soil Blank B 082005-1A	161889	1355085	702033	103	102	95
BV1974.D	LCS-BS-29	157692	1385183	718706	103	101	95
BV1975.D	0-0165-0021	148913	1198783	586382	106	109	90
BV1976.D	0-0165-0089	133413	1029742	440276	102	119	75
BV1978.D	0-0165-0009/5X	129356	951341	378919	107	122	67
BV1979.D	0-0165-0038/5X	136097	1124352	424682	107	133	64
BV1980.D	0-0165-0038/5X MS	129344	1089054	427288	107	125	68
BV1981.D	0-0165-0038/5X MSD	145115	1224498	489159	107	123	68
BV1982.D	0-0165-0007/5X	148460	1219895	578012	106	110	82
BV1983.D	0-0165-0010	146548	1174098	618634	107	102	91
BV1984.D	0-0165-0046	140082	1055870	463117	107	115	75
BV1985.D	0-0165-0062	146950	1139465	564510	109	107	85
BV1986.D	0-0165-0062 MS	166918	1326094	690330	107	100	92
BV1987.D	0-0165-0062 MSD	165446	1303523	650429	108	104	89
Cal Check Area	BV1972.D	158829	1355380	725664			

Analysis Date	08/20/05						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
BV1994.D	Soil Blank B 082005-4	159317	1336352	706274	106	100	95
BV1995.D	LCS-BS-30	165648	1394213	735494	105	100	97
BV1996.D	0-0165-0094	148849	1211846	607622	106	105	91
BV1997.D	0-0165-0049	157066	1248653	662597	107	100	94
BV1998.D	0-0165-0019	121603	914387	401398	107	121	77
BV1999.D	0-0165-0014/5x	150834	1247708	638735	106	104	90
BV2000.D	0-0165-0072	136544	1030906	477719	108	109	85
BV2001.D	0-0165-0072 MS	137923	1110988	499969	108	110	83
BV2002.D	0-0165-0072 MSD	153666	1239033	612932	106	103	89
BV2003.D	0-0165-0017/5X	138237	1123618	505419	106	115	78
BV2004.D	0-0165-0024/5X	136064	1074385	372314	108	139	62
BV2005.D	0-0165-0022/5X	132646	1069112	387578	107	137	63
BV2006.D	0-0165-0080	131890	1087188	520084	106	109	83
BV2007.D	0-0165-0080 MS	137016	1141943	520810	107	110	81
BV2008.D	0-0165-0080 MSD	134601	1111929	494876	106	112	78
Cal Check Area	BV1992.D	176675	1442770	799036			

				Surrogate QC Limits	
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	70-121	
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	84-138	
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	59-113	

Table 2.1 (cont.) Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Analysis Date	08/22/05							
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3	
BV2018.D	Soil Blank B 082205-1	173074	1365970	685406	105	104	95	
BV2019.D	LCS-BS-31	174135	1378750	684640	104	103	93	
BV2021.D	0-0165-0100	154040	1216709	616794	107	104	92	
BV2026.D	0-0165-0046/5X	140752	1046970	451931	110	120	71	
BV2027.D	0-0165-0062 (duplicate)	124412	866617	349553 *	111	121	71	
BV2028.D	0-0165-0062 MS (duplicate)	143492	1052142	416854	113	121	69	
BV2029.D	0-0165-0062 MSD (duplicate)	146387	1076057	473083	111	113	78	
BV2030.D	0-0165-0091	138554	977820	448626	113	113	83	
BV2031.D	0-0165-0048	120964	884358	358167 *	111	126	70	
BV2032.D	0-0165-0078	142471	1131962	556881	110	107	88	
Cal Check Area	BV2017.D	190995	1493430	776671				

Analysis Date	08/22/05							
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3	
BV2040.D	Soil Blank B 082305-1	172331	1376395	702696	107	103	95	
BV2041.D	LCS-BS-32	166528	1344099	668039	107	103	92	
BV2042.D	0-0165-0098	162178	1228525	620132	108	103	92	
BV2043.D	0-0165-0041/5X	143678	1094021	394798	109	138	60	
BV2044.D	0-0165-0045/5X	144694	1104547	467418	110	119	72	
BV2045.D	0-0165-0067/5X	153897	1232979	599394	111	108	84	
BV2047.D	0-0165-0026/5X	145872	1042335	397481	109	129	60	
BV2048.D	0-0165-0027/5X	149145	1064386	427066	107	126	64	
BV2049.D	0-0165-0029/5X	147057	1037533	394297	110	132	60	
Cal Check Area	BV2039.D	183297	1453460	770763				

Analysis Date	08/23/05							
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3	
BV2056.D	Soil Blank B 082305-2	157357	1264347	634726	108	104	91	
BV2057.D	0-0165-0019 (duplicate)	136309	923670	364889	111	128	71	
BV2058.D	0-0165-0019 MS	115612	820374	268438 *	110	145 *	61	
BV2059.D	0-0165-0019 MSD	127482	883067	313433 *	111	138	64	
BV2060.D	0-0165-0048/5X	139100	1055197	452276	112	120	71	
BV2061.D	0-0165-0087-5X	144937	1090459	464802	111	122	68	
BV2062.D	0-0165-0092/5X	136557	1029081	384014	112	134	63	
BV2063.D	0-0165-0095/5X	134850	1050046	448264	111	121	73	
BV2064.D	0-0165-0011/5X	131463	1080237	523981	111	108	83	
BV2068.D	0-0165-0019/5X (duplicate)	129777	1020035	409296	113	129	69	
BV2069.D	0-0165-0062/5X (duplicate)	130606	1010078	452256	113	117	73	
BV2070.D	0-0165-0077/5X	139331	1139705	576966	113	105	89	
Cal Check Area	BV2055.D	173222	1359170	696763				

					Surrogate QC Limits		
IS 1	Bromochloromethane		Surr. 1	1,2-Dichloroethane-d4	70-121		
IS 2	1,4-Difluorobenzene		Surr. 2	Toluene-d8	84-138		
IS 3	Chlorobenzene-d5		Surr. 3	p-Bromofluorobenzene	59-113		

Table 2.1 (cont.) Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Analysis Date	08/25/05						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
BV2077.D	Soil Blank 082505-1	165014	1409347	693669	115	104	89
BV2078.D	LCS BS 33	180184	1486904	743131	116	102	90
BV2079.D	0-0165-0008/5x	157319	1264423	621883	119	105	86
BV2080.D	0-0165-0008/5x ms	164941	1365933	680121	119	102	87
BV2081.D	0-0165-0008/5x msd	157091	1336589	649061	119	103	84
BV2082.D	0-0165-0039/5x	156522	1261217	598445	121	108	81
BV2084.D	0-0165-0047/5x	157049	1301409	660008	121	103	88
BV2085.D	0-0165-0068/5x	154413	1286571	627426	122 *	106	83
BV2086.D	0-0165-0079/5x	152484	1274764	636033	122 *	105	87
BV2087.D	0-0165-0090/5x	157420	1264585	565822	121	114	74
BV2088.D	0-0165-0093/5x	153373	1267399	620836	120	106	86
BV2089.D	0-0165-0096/5x	157258	1287436	647056	121	104	88
BV2090.D	0-0165-0097/5x	160030	1285051	639819	122 *	105	86
BV2091.D	0-0165-0042/5x	137105	1187666	577384	121	107	85
Cal Check Area	BV2076.D	177700	1413580	710452			

Analysis Date	08/26/05						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
BV2097.D	Soil Blank B 082605-1	110395	986733	461541	111	109	86
BV2098.D	LCS BS 34	188627	1521921	768200	114	101	92
BV2099.D	0-0165-0003/5x	165838	1330165	674519	116	103	91
BV2100.D	0-0165-0015/5x	168478	1363749	692274	115	103	92
BV2101.D	0-0165-0018/5x	152252	1310495	647052	116	106	89
BV2102.D	0-0165-0023/5x	154517	1302776	635090	117	107	87
BV2103.D	0-0165-0025/5x	156170	1312326	639192	117	107	87
BV2104.D	0-0165-0031/5x	155184	1309499	639728	117	106	88
BV2105.D	0-0165-0033/5x	144858	1234168	556654	117	114	77
BV2106.D	0-0165-0044/5x	154372	1309388	603848	116	112	81
BV2107.D	0-0165-0075/5x	158563	1290763	615076	117	109	84
BV2108.D	0-0165-0061/5x	162961	1330996	654066	117	106	89
BV2109.D	0-0165-0088/5x	149582	1258215	616417	116	106	88
BV2110.D	0-0165-0004/5x	165199	1328214	669191	118	104	91
BV2111.D	0-0165-0012/5x	151614	1264578	630141	116	104	90
Cal Check Area	BV2096.D	182602	1463490	772077			

		Surrogate QC Limits		
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	70-121
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	84-138
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	59-113

Table 2.2 Results of MS/MSD Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Sample No. : 0-0165-0038 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	QC Limits		
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.	RPD	RPD	% Rec.
1,1-Dichloroethene	U	294.1	294.1	319.5	287.2	109	98	11	22	59 - 172
Benzene	U	294.1	294.1	293.2	276.7	100	94	6	21	66 - 142
Trichloroethene	346	294.1	294.1	571.2	635.4	76	98	25 *	24	62 - 137
Toluene	U	294.1	294.1	357.3	333.9	121	114	7	21	59 - 139
Chlorobenzene	U	294.1	294.1	275.3	257.5	94	88	7	21	60 - 133

Sample No. : 0-0165-0072

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	QC Limits		
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.	RPD	RPD	% Rec.
1,1-Dichloroethene	U	64.1	64.1	49.8	47.5	78	74	5	22	59 - 172
Benzene	U	64.1	64.1	46.0	45.4	72	71	1	21	66 - 142
Trichloroethene	108.0	64.1	64.1	215.5	162.3	167	84	66 *	24	62 - 137
Toluene	U	64.1	64.1	45.5	42.9	71	67	6	21	59 - 139
Chlorobenzene	U	64.1	64.1	37.2	36.7	58	57 *	1	21	60 - 133

Sample No. : 0-0165-0080

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	QC Limits		
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.	RPD	RPD	% Rec.
1,1-Dichloroethene	U	60.2	60.2	56.4	52.5	94	87	7	22	59 - 172
Benzene	U	60.2	60.2	51.0	47.6	85	79	7	21	66 - 142
Trichloroethene	65.0	60.2	60.2	143.4	160.2	130	158 *	19	24	62 - 137
Toluene	U	60.2	60.2	52.7	49.3	87	82	7	21	59 - 139
Chlorobenzene	U	60.2	60.2	43.7	39.6	72	66	10	21	60 - 133

Sample No. : 0-0165-0008 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	QC Limits		
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.	RPD	RPD	% Rec.
1,1-Dichloroethene	U	277.8	277.8	305.4	316.2	110	114	3	22	59 - 172
Benzene	U	277.8	277.8	242.9	244.0	87	88	0	21	66 - 142
Trichloroethene	U	277.8	277.8	230.9	233.0	83	84	1	24	62 - 137
Toluene	U	277.8	277.8	256.6	264.9	92	95	3	21	59 - 139
Chlorobenzene	U	277.8	277.8	259.9	264.7	94	95	2	21	60 - 133

Table 2.2 (cont.) Results of MS/MSD Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Sample No. 0-0165-0019

Compound Name	MS		MSD		MS Conc. (µg/kg)	MSD Conc. (µg/kg)	MS %	MSD %	QC Limits		
	Sample Conc. (µg/kg)	Spike Added (µg/kg)	Spike Added (µg/kg)	MS Conc. (µg/kg)					MSD Conc. (µg/kg)	MS Rec.	MSD Rec.
1,1-Dichloroethene	U	61.0	61.0	46.3	46.1	76	76	0	22	59 - 172	
Benzene	U	61.0	61.0	48.4	49.1	79	80	1	21	66 - 142	
Trichloroethene	**	61.0	61.0	1316E	1421E	NC	NC	NC	24	62 - 137	
Toluene	U	61.0	61.0	61.8	62.1	101	102	1	21	59 - 139	
Chlorobenzene	U	61.0	61.0	43.0	46.6	71	76	8	21	60 - 133	

\*\*Sample duplicate results indicate a homogeneity problem with the sample.

Sample No. : 0-0165-0062

Compound Name	MS		MSD		MS Conc. (µg/kg)	MSD Conc. (µg/kg)	MS %	MSD %	QC Limits		
	Sample Conc. (µg/kg)	Spike Added (µg/kg)	Spike Added (µg/kg)	MS Conc. (µg/kg)					MSD Conc. (µg/kg)	MS Rec.	MSD Rec.
1,1-Dichloroethene	U	57.5	57.5	34.9	35.1	61	61	0	22	59 - 172	
Benzene	U	57.5	57.5	31.2	30.4	54	53	3	21	66 - 142	
Trichloroethene	62.8	57.5	57.5	141.8	143.6	138	141	2	24	62 - 137	
Toluene	U	57.5	57.5	27.3	26.1	47	45	4	21	59 - 139	
Chlorobenzene	U	57.5	57.5	21.3	19.4	37	34	10	21	60 - 133	

Sample No. : 0-0165-0062 Duplicate Sample and MS/MSD

Compound Name	MS		MSD		MS Conc. (µg/kg)	MSD Conc. (µg/kg)	MS %	MSD %	QC Limits		
	Sample Conc. (µg/kg)	Spike Added (µg/kg)	Spike Added (µg/kg)	MS Conc. (µg/kg)					MSD Conc. (µg/kg)	MS Rec.	MSD Rec.
1,1-Dichloroethene	U	57.5	57.5	42.8	42.2	74	73	1	22	59 - 172	
Benzene	U	57.5	57.5	43.0	40.3	75	70	6	21	66 - 142	
Trichloroethene	**	57.5	57.5	442E	439E	NC	NC	NC	24	62 - 137	
Toluene	U	57.5	57.5	58.1	49.8	101	87	15	21	59 - 139	
Chlorobenzene	U	57.5	57.5	34.5	29.6	60	51	16	21	60 - 133	

\*\*Sample duplicate results indicate a homogeneity problem with the sample.

Sample No. : 0-0165-0081 5X

Compound Name	MS		MSD		MS Conc. (µg/kg)	MSD Conc. (µg/kg)	MS %	MSD %	QC Limits		
	Sample Conc. (µg/kg)	Spike Added (µg/kg)	Spike Added (µg/kg)	MS Conc. (µg/kg)					MSD Conc. (µg/kg)	MS Rec.	MSD Rec.
1,1-Dichloroethene	U	328.9	328.9	456.8	430.3	139	131	6	22	59 - 172	
Benzene	U	328.9	328.9	287.0	283.2	87	86	1	21	66 - 142	
Trichloroethene	29.0	328.9	328.9	259.7	252.4	70	68	3	24	62 - 137	
Toluene	U	328.9	328.9	281.9	273.2	86	83	3	21	59 - 139	
Chlorobenzene	U	328.9	328.9	257.0	245.5	78	75	5	21	60 - 133	

Table 2.2 (cont.) Results of MS/MSD Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Sample No. : 0-0165-0071 5X

Compound Name	Sample Conc. (µg/kg)	MS		MSD		MS % Rec.	MSD % Rec.	RPD	QC Limits	
		Spike Added (µg/kg)	Spike Added (µg/kg)	MS Conc. (µg/kg)	MSD Conc. (µg/kg)				RPD	% Rec.
1,1-Dichloroethene	U	297.6	297.6	377.7	384.2	127	129	2	22	59 - 172
Benzene	U	297.6	297.6	249.4	261.3	84	88	5	21	66 - 142
Trichloroethene	342.0	297.6	297.6	453.2	695.8	37	119	105	24	62 - 137
Toluene	U	297.6	297.6	242.6	252.3	82	85	4	21	59 - 139
Chlorobenzene	U	297.6	297.6	217.9	228.3	73	77	5	21	60 - 133

Sample No. : 0-0165-0043 40X (Methanol Dilution)

Compound Name	Sample Conc. (µg/kg)	MS		MSD		MS % Rec.	MSD % Rec.	RPD	QC Limits	
		Spike Added (µg/kg)	Spike Added (µg/kg)	MS Conc. (µg/kg)	MSD Conc. (µg/kg)				RPD	% Rec.
1,1-Dichloroethene	U	2247.2	2247.2	2007.2	1824.3	89	81	10	14	61 - 145
Benzene	U	2247.2	2247.2	2193.7	2093.9	98	93	5	11	76 - 127
Trichloroethene	175000	2247.2	2247.2	43460E	44050E	NC	NC	NC	14	71 - 120
Toluene	U	2247.2	2247.2	2189.2	2107.0	97	94	4	11	76 - 125
Chlorobenzene	U	2247.2	2247.2	2203.6	2155.1	98	96	2	11	75 - 130

Sample No. : 0-0165-0032 10X (Methanol Dilution)

Compound Name	Sample Conc. (µg/kg)	MS		MSD		MS % Rec.	MSD % Rec.	RPD	QC Limits	
		Spike Added (µg/kg)	Spike Added (µg/kg)	MS Conc. (µg/kg)	MSD Conc. (µg/kg)				RPD	% Rec.
1,1-Dichloroethene	U	595	595	747	700	126	118	6	14	61 - 145
Benzene	U	595	595	548	539	92	91	2	11	76 - 127
Trichloroethene	1700	595	595	3200E	3880E	NC	NC	NC	14	71 - 120
Toluene	U	595	595	577	576	97	97	0	11	76 - 125
Chlorobenzene	U	595	595	596	597	100	100	0	11	75 - 130

Table 2.3 (cont.) Results of LCS Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site

Sample ID: LCS AS 21

Compound Name	LCS	LCS Conc. (µg/Kg)	LCS % Rec.	QC Limits
	Spike Added (µg/Kg)			% Rec.
1,1-Dichloroethene	50.0	59.1	118	70 - 130
Benzene	50.0	49.7	99	70 - 130
Trichloroethene	50.0	42.1	84	70 - 130
Toluene	50.0	52.2	104	70 - 130
Chlorobenzene	50.0	48.2	96	70 - 130

Sample ID: LCS AS 22

Compound Name	LCS	LCS Conc. (µg/Kg)	LCS % Rec.	QC Limits
	Spike Added (µg/Kg)			% Rec.
1,1-Dichloroethene	50.0	53.5	107	70 - 130
Benzene	50.0	42.6	85	70 - 130
Trichloroethene	50.0	35.3	71	70 - 130
Toluene	50.0	45.2	90	70 - 130
Chlorobenzene	50.0	40.3	81	70 - 130

Sample ID: LCS AW 19

Compound Name	LCS	LCS Conc. (µg/L)	LCS % Rec.	QC Limits
	Spike Added (µg/L)			% Rec.
1,1-Dichloroethene	50.0	53.1	106	70 - 130
Benzene	50.0	52.5	105	70 - 130
Trichloroethene	50.0	49.9	100	70 - 130
Toluene	50.0	53.2	106	70 - 130
Chlorobenzene	50.0	50.9	102	70 - 130

Sample ID: LCS AW 20

Compound Name	LCS	LCS Conc. (µg/L)	LCS % Rec.	QC Limits
	Spike Added (µg/L)			% Rec.
1,1-Dichloroethene	50.0	72.0	144	70 - 130
Benzene	50.0	46.4	93	70 - 130
Trichloroethene	50.0	45.1	90	70 - 130
Toluene	50.0	48.8	98	70 - 130
Chlorobenzene	50.0	47.7	95	70 - 130

Table 2.4 Results of the Duplicate Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Sample # :	0-0165-0062		0-0165-0062 (Duplicate Analysis)	
Location :	LV-N26(2-3)		LV-N26(2-3)	
% Solid :	87		87	
Analyte	Result	RL	Result	RL
Unit :	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.75	U	5.75
cis-1,2-Dichloroethene	U	5.75	U	5.75
Trichloroethene	62.8	5.75	195	38.7
Toluene	U	5.75	9.01	J 5.75
Tetrachloroethene	U	5.75	2.83	J 5.75
p&m-Xylene	U	11.5	U	77.4
o-Xylene	U	5.75	U	38.7

Sample # :	0-0165-0019		0-0165-0019 (Duplicate Analysis)	
Location :	LV-N19(0-2)		LV-N19(0-2)	
% Solid :	82		82	
Analyte	Result	RL	Result	RL
Unit :	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	6.10	U	6.10
cis-1,2-Dichloroethene	U	6.10	1.78	J 6.10
Trichloroethene	146	6.10	2840	E 30.5
Toluene	U	6.10	U	6.10
Tetrachloroethene	U	6.10	U	6.10
p&m-Xylene	U	12.2	U	12.2
o-Xylene	U	6.10	U	6.10



## Bernick, Mark B

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**From:** Sklaney, Christopher L  
**Sent:** Monday, November 14, 2005 4:46 PM  
**To:** Bernick, Mark B  
**Subject:** RE: Verifying the Little Valley VOC analytical request from the Work Assignment Manager

Mark,

You have accurately summarized what was conducted on many of the samples that were analyzed for this project, most notably those samples collected in September 2005. Many or all of the samples analyzed in August 2005 were analyzed without an initial dilution, although I don't know the number that meet this criterion.

I apologize for not getting back to you sooner, as I've been out for the past few weeks.

Thanks,  
Chris

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Christopher Sklaney  
Geologist  
Lockheed Martin/REAC  
2890 Woodbridge Avenue  
Edison, NJ 08837-3679  
732-321-4265 (Phone)  
732-494-4021 (Fax)

-----Original Message-----

**From:** Bernick, Mark B  
**Sent:** Monday, November 07, 2005 5:14 PM  
**To:** Sklaney, Christopher L  
**Cc:** Soroka, Joseph M  
**Subject:** Verifying the Little Valley VOC analytical request from the Work Assignment Manager

Hi Christopher,

I am currently validating the Little Valley VOC Soil analysis. I wanted to confirm that, as per the Work Assignment Manager's request, that many of the samples were analyzed only at a 1:5 dilution in order to accommodate the site trichloroethene action level of 600 µg/kg. Therefore, the target compound reporting limits (RL) for these samples will be elevated by a factor of 5 (25 µg/kg RL for all targets except acetone at 100% solids).

Additionally, if the trichloroethene result exceeds the linear calibration range at the 1:5 dilution, and the site trichloroethene action level of 600 µg/kg, then no further dilution is to be performed, and the trichloroethene results are to be reported as estimated due to exceeding the linear calibration range and flagged "E".

Thank you,  
Mark

## Soroka, Joseph M

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**From:** Sklaney, Christopher L  
**Sent:** Monday, October 17, 2005 4:00 PM  
**To:** Soroka, Joseph M  
**Subject:** Little Valley, Data Validation

Joe,

The WAM for the Little Valley site (0-165) has requested that validation be conducted for all the VOC data packages. Please limit the validation to the following compounds:

TCE  
PCE  
cis-1,2-dichloroethene  
trans-1,2-dichloroethene  
toluene  
total xylenes

I will be out of the office from Tuesday through Thursday, but can be reached at (570) 693-2883 with any questions. I will be in the office today until approximately 7 pm.

Thank you,  
Chris

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Christopher Sklaney  
Geologist  
Lockheed Martin/REAC  
2890 Woodbridge Avenue  
Edison, NJ 08837-3679  
732-321-4265 (Phone)  
732-494-4021 (Fax)

CHAIN OF CUSTODY RECORD

Site # 0-0165  
 Contact Name: Chris Skaleney  
 Contact Phone: 732-321-4200

No: 0-0165-061705-0002  
 Cooler #  
 Lab REAC  
 Lab Phone 732-321-4200

EPA Contract # F 0-01-052

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
5317	0-0165-0001	LV-N28(0-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5318	0-0165-0002	LV-N28(2-4)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5319	0-0165-0003	LV-N28(4-6)	Archives VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5320	0-0165-0004	LV-N28(6-8)	Archives VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5321	0-0165-0005	LV-N23(0-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5322	0-0165-0006	LV-N23(2-4)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5323	0-0165-0007	LV-N22(0-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5324	0-0165-0008	LV-N22(2-4)	Archives VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5325	0-0165-0009	LV-N27(2-3)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5326	0-0165-0010	LV-N27(3-4)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5327	0-0165-0011	LV-N27(4-6)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5328	0-0165-0012	LV-N27(6-8)	Archives VOC	Soil	8-17/2005	1	4 oz septum jar	4 C	N
5329	0-0165-0013	LV-N24(0-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5330	0-0165-0014	LV-N24(2-4)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5331	0-0165-0015	LV-N24(6-7)	Archives VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5332	0-0165-0016	LV-N24(7-8)	Archives VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5333	0-0165-0017	LV-N40(0-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5334	0-0165-0018	LV-N19(0-2)	Archives VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5335	0-0165-0019	LV-N19(3-4)	VOC	Soil	8/17/2005	2	4 oz septum jar	4 C	Y
5336	0-0165-0020	LV-N18(0-1)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5337	0-0165-0021	LV-N18(1-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5338	0-0165-0022	LV-N18(3-4)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5339	0-0165-0023	LV-N13(1-2)	Archives VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5340	0-0165-0024	LV-N13(1-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N

SAMPLES TRANSFERRED FROM  
 CHAIN OF CUSTODY #

Receiver: JFC

Special Instructions: QC (CS)

Items/Reason	Reinquished by	Date	Received by	Date	Time	Reinquished By	Date	Received by	Date	Time
All Analysis	JM-Jm	8/18/05	Jm-Jm	8/18/05	14:35	Jm-Jm	8/18/05	Jm-Jm	8-25-05	11:45
16/18 Analysis	Jm-Jm	8/18/05	Jm-Jm	8-18-05	07:30	Jm-Jm	8/25/05	Jm-Jm	8-25-05	11:45
7/18 Analysis	Jm-Jm	8/18/05	Jm-Jm	8-18-05	11:00	Jm-Jm	8-25-05	Jm-Jm	8-25-05	11:45

CHAIN OF CUSTODY RECORD

No: 0-0165-061705-0002

Site # 0-0165  
 Contact Name: Chris Skalaney  
 Contact Phone 732-321-4200

Cooler #  
 Lab REAC  
 Lab Phone 732-321-4200

EPA Contract # [P.C.T-03]

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
5341	0-0165-0025	LV-N13(2-3)	ARCHIVE VOC (CS)	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5342	0-0165-0026	LV-N14(1-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5343	0-0165-0027	LV-N14(1-2)D	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5344	0-0165-0028	LV-N14(3-4)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5345	0-0165-0029	LV-N09(0-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5346	0-0165-0030	LV-N09(0-2)D	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5347	0-0165-0031	LV-N08(3-4)	ARCHIVE VOC (CS)	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5348	0-0165-0032	LV-N08(0-2)	VOC	Soil	8/17/2005	2	4 oz septum jar	4 C	Y
5349	0-0165-0033	LV-N08(2-3)	ARCHIVE VOC (CS)	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5350	0-0165-0034	LV-B1(1-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5351	0-0165-0035	LV-B1(3-4)	ARCHIVE VOC (CS)	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5352	0-0165-0036	LV-C2(1-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5353	0-0165-0037	LV-C2(2-3)	ARCHIVE VOC (CS)	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5354	0-0165-0038	LV-C3(1-2)	VOC	Soil	8/17/2005	2	4 oz septum jar	4 C	Y
5355	0-0165-0039	LV-C3(2-3)	ARCHIVE VOC (CS)	Soil	8/17/2005	2	4 oz septum jar	4 C	Y
5356	0-0165-0040	LV-N17(1-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5357	0-0165-0041	LV-N17(1-2)D	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5358	0-0165-0042	LV-N17(2-3)	ARCHIVE VOC (CS)	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5359	0-0165-0043	LV-D4(1-2)	VOC	Soil	8/17/2005	2	4 oz septum jar	4 C	Y
5360	0-0165-0044	LV-D4(2-3)	ARCHIVE VOC (CS)	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5361	0-0165-0045	LV-D6(0-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5362	0-0165-0046	LV-D6(4-5)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5363	0-0165-0047	LV-D6(6-7)	ARCHIVE VOC (CS)	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5364	0-0165-0048	LV-D6(3-4)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N

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SAMPLES TRANSFERRED FROM  
 CHAIN OF CUSTODY #

Received 30c Jcy

QC (CS)

Items/Reason	Relinquished by	Date	Received by	Date	Relinquished By	Date	Received by	Date	Time
A1/Analys	Paul Paj	8/18/05	Paul Paj	8/18/05	Paul Paj	8/18/05	Paul Paj	8/18/05	14:35
15/VOA Analysis	Jerry Novek	8/19/05	Jerry Novek	8/19/05	Jerry Novek	8/19/05	Jerry Novek	8/19/05	09:30
6/VOA Analysis	Jerry Novek	8/26/05	Jerry Novek	8/26/05	Jerry Novek	8/26/05	Jerry Novek	8/26/05	11:00

0165-DAR-011106

CHAIN OF CUSTODY RECORD

No: 0-0165-061705-0002

Site # 0-0165  
 Contact Name: Chris Szalansky  
 Contact Phone: 732-321-4200

Cooler #  
 Lab REAC  
 Lab Phone 732-321-4200

EPA Contract # F P C 64-052

Lab #	Sample #	Location	Analysis	Matrix	Collected	Numb Cont	Container	Preservative	M5/M80
5365	0-0165-0049	LV-D6(4-5)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5366	0-0165-0050	LV-D6(6-7)	<del>Active</del> VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5367	0-0165-0051	LV-TCLP1	TCLP for BNAs and Metals	Soil	8/17/2005	2	8 oz glass jar	4 C	N
5368	0-0165-0052	LV-T-N24T	TCLP for BNAs and Metals	Soil	8/17/2005	1	8 oz glass jar	4 C	N
5369	0-0165-0054	LV-T-N27T	TCLP for BNAs and Metals	Soil	8/17/2005	1	8 oz glass jar	4 C	N
5370	0-0165-0055	LV-T-N30T	TCLP for BNAs and Metals	Soil	8/17/2005	1	8 oz glass jar	4 C	N
5371	0-0165-0059	LV-N21(0-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5372	0-0165-0060	LV-N21(0-2)D	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5373	0-0165-0061	LV-N21(2-4)	<del>Active</del> VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5374	0-0165-0062	LV-N26(2-3)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5375	0-0165-0063	LV-N26(3-4)	VOC	Soil	8/17/2005	2	4 oz septum jar	4 C	Y
5376	0-0165-0064	LV-N29(1-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5377	0-0165-0065	LV-N29(3-4)	<del>Active</del> VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5378	0-0165-0066	LV-D7(1-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5379	0-0165-0067	LV-D7(1-2)D	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5380	0-0165-0068	<del>LV-N30(2-3)</del>	<del>Active</del> VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5381	0-0165-0069	LV-N30(2-3)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5382	0-0165-0070	LV-N30(3-4)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5383	0-0165-0071	LV-N30(4-5)	<del>Active</del> VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5384	0-0165-0072	LV-N32(1-2)	VOC	Soil	8/17/2005	2	4 oz septum jar	4 C	Y
5385	0-0165-0073	LV-N32(3-4)	<del>Active</del> VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5386	0-0165-0074	LV-N33(1-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5387	0-0165-0075	LV-N33(2-3)	<del>Active</del> VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5388	0-0165-0076	LV-C8(1-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N

055

\* SAMPLE NUMBER REMAINING LV-D7(3-4)

QC (LS)

Received 3°C  
 CHAIN OF CUSTODY #

SAMPLES TRANSFERRED FROM

Item/Reason	Relinquished by	Date	Received by	Date	Time
All Analysis	Mr. M5	8/18/05	8/18/05	8/18/05	14:35
Analysis	Mr. M5	8/18/05	8/18/05	8/18/05	14:35
Analysis	Mr. M5	8/18/05	8/18/05	8/18/05	14:35
Analysis	Mr. M5	8/18/05	8/18/05	8/18/05	14:35
Analysis	Mr. M5	8/18/05	8/18/05	8/18/05	14:35
Analysis	Mr. M5	8/18/05	8/18/05	8/18/05	14:35
Analysis	Mr. M5	8/18/05	8/18/05	8/18/05	14:35
Analysis	Mr. M5	8/18/05	8/18/05	8/18/05	14:35
Analysis	Mr. M5	8/18/05	8/18/05	8/18/05	14:35
Analysis	Mr. M5	8/18/05	8/18/05	8/18/05	14:35

0165-D-01-108

CHAIN OF CUSTODY RECORD

Site # 0-0165  
 Contact Name Chris Skalaney  
 Contact Phone: 732-321-4200

NO: 0-0165-061705-0002

Cooler #  
 Lab REAC  
 Lab Phone 732-321-4200

EPA Contract # F P C 04-024

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
5384	0-0165-0077	LV-C8(3-4)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5390	0-0165-0078	LV-C8(4-5)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5391	0-0165-0079	LV-C8(6-7)	Aromatic VOC (CS)	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5392	0-0165-0080	LV-N36(1-2)	VOC	Soil	8/17/2005	2	4 oz septum jar	4 C	Y
5393	0-0165-0081	LV-N36(2-3)	Aromatic VOC (CS)	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5394	0-0165-0082	LV-N37(1-2)	VOC	Soil	8/17/2006	1	4 oz septum jar	4 C	N
5395	0-0165-0083	LV-N37(1-2)D	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5396	0-0165-0084	LV-N37(3-4)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5397	0-0165-0085	LV-N37(4-5)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5398	0-0165-0086	LV-N37(6-7)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5399	0-0165-0087	LV-N42(1-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5400	0-0165-0088	LV-N42(3-4)	Aromatic VOC (CS)	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5401	0-0165-0089	LV-N43(1-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5402	0-0165-0090	LV-N43(3-4)	Aromatic VOC (CS)	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5403	0-0165-0091	LV-A5(1-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5404	0-0165-0092	LV-A5(1-2)D	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5405	0-0165-0093	LV-A5(3-4)	Aromatic VOC (CS)	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5406	0-0165-0094	LV-A4(1-2)	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5407	0-0165-0095	LV-A4(1-2)D	VOC	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5408	0-0165-0096	LV-A4(3-4)	Aromatic VOC (CS)	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5409	0-0165-0097	LV-A4(3-4)D	Aromatic VOC (CS)	Soil	8/17/2005	1	4 oz septum jar	4 C	N
5410	0-0165-0098	FB-01	VOC	Blank	8/17/2005	1	4 oz Septum	4 C	N
5411	0-0165-0099	FB-02	TCLP for BNAs and Metals	Blank	8/17/2005	1	8 oz glass jar	4 C	N
5412	0-0165-0100	TB-01	VOCs	Blank	8/17/2005	1	4 oz Septum	4 C	N

056

SAMPLES TRANSFERRED FROM  
 CHAIN OF CUSTODY #

Received 30 C (CS)

Item/Reason	Relinquished by	Date	Received by	Date	Time
All Haz 10's	Mark Waj	8/18/05	Jerry M... SILKOS 9 BMB	8/18/05	15:00
WQA Analysis	Jerry M... SILKOS 11:00	8/18/05	Jerry M... SILKOS 11:00	8/18/05	11:45
WQA Analysis	Jerry M... SILKOS 11:00	8/18/05	Jerry M... SILKOS 11:00	8/18/05	11:00

QC (CS)

0165-DAR-011106

CHAIN OF CUSTODY RECORD

No: 0-0165-061705-0002

Site # 0-0165  
 Contact Name Chris Skalaney  
 Contact Phone 732-321-4200

Cooler #  
 Lab REAC  
 Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
5413	0-0165-0101	TBT-02	TCLP for BNAs and Metals	Blank	8/17/2005	1	8 oz glass jar	4 C	N

057

SAMPLES TRANSFERRED FROM  
 CHAIN OF CUSTODY #

Received 300 Jm

QC (CS)

Item/Reason	Relinquished by	Date	Received by	Date	Time	Item/Reason	Relinquished By	Date	Received by	Date	Time
All Analytes	Chris Skalaney	8/19/05	Jerry Tavel	8/18/05	14:35	Soil for TCLP Extraction	Jerry Tavel	8/18/05	Chris Skalaney	8/18/05	15:00
Analysis	Chris Skalaney	8/19/05	Jerry Tavel	8/19/05	14:05	Extract Analysis	Jerry Tavel	8/19/05	Chris Skalaney	8/19/05	15:00
TCLP Extracts	Chris Skalaney	8/19/05	C. Chesser	8/19/05	15:20						

0165-DAR-C11108

APPENDIX B

Soil Analytical Report  
Volatile Organic Compounds  
Samples Collected in September 2005  
Little Valley Superfund Site  
Cattaraugus Cutlery Area  
Trip Report  
June 2006



Lockheed Martin Technology Services  
Environmental Services REAC  
2890 Woodbridge Avenue Building 209 Annex  
Edison, NJ 08837-3679  
Telephone 732-321-4200 Facsimile 732-494-4021

**LOCKHEED MARTIN**



DATE: 3 February 2006  
TO: R. Singhvi EPA/ERTC  
FROM: V. Kansal Analytical Section Leader *V. Kansal*  
SUBJECT: DOCUMENT TRANSMITTAL UNDER WORK ASSIGNMENT #0-165

Attached please find the following document prepared under this work assignment:

Little Valley Superfund Site - Analytical Report

Central File WA #0-165	(w/attachment)
J. Catanzarita	Work Assignment Manager (w/attachment)
C. Sklaney	Task Leader (w/attachment)
J. Soroka	Data Validation and Report Writing Group Leader (w/o attachment)

ANALYTICAL REPORT

Prepared by  
LOCKHEED MARTIN, Inc.

Little Valley Superfund Site  
Little Valley, NY

January 2006

EPA Work Assignment No.0-165  
LOCKHEED MARTIN Work Order EAC00165  
EPA Contract No. EP-C-04-032

Submitted to  
J. Catanzarita  
EPA-ERTC

K. Winduff for CS 1/31/06  
C. Sklaney Date  
Task Leader

Analysis by:  
REAC

Vinod Kansal 2/3/06  
V. Kansal Date  
Analytical Section Leader

Prepared by:  
M. Bernick

D. Miller 2/6/06  
D. Miller Date  
Program Manager

Reviewed by:  
J. Soroka

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Appendix will be furnished on request.

## Introduction

REAC in response to WA0-165, provided analytical support for environmental samples collected from Little Valley Superfund Site, located in Little Valley, NY as described in the following table. The support also included QA/QC, data review, and preparation of an analytical report containing a summary of the analytical methods, the results, and the QA/QC results.

The samples were treated with procedures consistent with those specified in SOP #1008.

COC #	Number of Samples	Sampling Date	Date Received	Matrix	Analysis (Method)	Lab	Data Package
0-0165-090705-0003	64	9/7/05	9/8/05	Soil	VOC	REAC	P326
	16				archive		
0-0165-090805-0004	2	9/8/05			VOC		
	2				archive		
	53				VOC		
	4				VOC		

### Case Narrative

The data in this report have been validated to three significant figures. Values less than 25% of the reporting limits for organic analyses have not been reported.

#### VOC in Soil Package P 326

At the request of the Work Assignment Manager, only trichloroethene, tetrachloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, toluene and total xylenes (reported separately as p&m-xylene and o-xylene) were validated and reported.

All samples were initially analyzed at a 5X dilution in order to accommodate the site action level of 700 µg/kg for trichloroethene except for the method, field and trip blanks. Due to sample matrix effects sample 0-0165-0215 was analyzed at a 50X dilution.

Several samples were reanalyzed at a dilution to bring the trichloromethane concentration within the linear calibration range. The reported RLs for trichloromethane are based on the reanalysis dilution factor for these samples.

The trichloroethene concentrations exceeded the linear calibration range and are estimated for the following samples: 0-0165-0203, 0-0165-0252, 0-0165-0202, 0-0165-0222, 0-0165-0225, 0-0165-0248 and 0-0165-0270.

Samples 0-0165-0226, 0-0165-0243, 0-0165-0273, 0-0165-0285, 0-0165-0303, 0-0165-0303 MS/MSD and 0-0165-0315 were analyzed in duplicate. The duplicate results indicate sample homogeneity problems. Data for all sample should be used with caution. Sample 0-0165-0303 original and duplicate results are reported along with the respective original and duplicate 0-0165-0303 MS/MSD results. The trichloroethene MS/MSD percent recoveries are not calculated for samples 0-0165-0226 and 0-0165-0285 because the duplicate results indicate a homogeneity problem.

Samples 0-0-165-0206 (5X) and 0-0165-0248 (5X) had 1 or more surrogate percent recoveries greater than the QC limit; the trichloroethene results for these samples are estimated.

Sample 0-0-165-0252 (5X) had 1 or more surrogate percent recoveries greater than the QC limit; the trichloroethene, toluene, o-xylene and p&m-xylene results for these samples are estimated.

Sample 0-0-165-0287 (5X) had 1 surrogate percent recovery less than the QC limit and 1 surrogate percent recovery greater than the QC limit; all results are estimated

Sample 0-0-165-0252 (5X) internal standard Bromochloromethane, 1,4-Difluorobenzene and Chlorobenzene-d<sub>5</sub> areas were less than the QC limits. The trichloroethene, toluene, p & m-xylene and o-xylene results are estimated and the trans-1,2-dichloroethene, cis-1,2-dichloroethene and tetrachloroethene results are rejected.

Internal standard Chlorobenzene-d<sub>5</sub> areas were less than the QC limits for samples 0-0165-0248 (5X) and 0-0165-0287 (5X). The toluene, tetrachloroethene, p & m-xylene and o-xylene results are rejected.

On 9/10/05 for system A, two continuing calibration verifications (CCVs) and a new initial calibration were analyzed with most compounds failing QC criteria. Next, the analyst performed a new tune and a third CCV using the initial calibration from 9/9/05 to calculate the percent differences which met QC criteria. A new initial calibration was not performed as required by the analytical method. Next, an LCS was analyzed that met QC criteria. All results for the following samples quantified with the third CCV are estimated: Soil blank A 091005-01, 0-0-165-0285, 0-0-165-0301, 0-0-165-0302, 0-0-165-0304 through 0-0-165-0309 and 0-0-165-0312 through 0-0-165-0315.

On 9/15/05 for system B, three continuing calibration verifications (CCVs) were analyzed, followed by the analyst priming the column and trap with a 200 ppb standard, then a fourth CCV was analyzed in an effort to bring additional analytes, other than the requested 6 compounds, within the percent difference QC criteria. The REAC VOC SOP 1807 states to rerun a new initial calibration after corrective action has been done. A new initial calibration was not performed. All results for the following samples quantified with the fourth CCV are estimated: Soil blank A 091505-01, 0-0165-0243 duplicate, 0-0165-0273 duplicate, 0-0165-0285 duplicate and 0-0165-0315 duplicate.

## Summary of Abbreviations

C	Centigrade				
cont.	Continued				
D	(Surrogate Table) value is from a diluted sample and was not calculated				
	(Result Table) result was obtained from a diluted sample				
Dioxin	Polychlorinated Dibenzo-p-dioxins (PCDD) and Dibenzofurans (PCDF)				
CLP	Contract Laboratory Procedure				
COC	Chain of Custody				
Conc	Concentration				
CRDL	Contract Required Detection Limit				
CRQL	Contract Required Quantitation Limit				
DL	Detection Limit				
E	Value is greater than the highest linear standard and is estimated				
EMPC	Estimated maximum possible concentration				
ICAP	Inductively Coupled Argon Plasma				
IS	Internal Standard				
J	Value is estimated				
LCS	Laboratory Control Sample				
LCS2	Laboratory Control Sample Duplicate				
MDL	Method Detection Limit				
MS (BS)	Matrix Spike (Blank Spike)				
MSD (BSD)	Matrix Spike Duplicate (Blank Spike Duplicate)				
MW	Molecular Weight				
NA	either Not Applicable or Not Available				
NC	Not Calculated				
NR	Not Requested				
NS	Not Spiked				
% D	Percent Difference				
% Rec.	Percent Recovery				
PAL	Permissible Acceptance Limit				
ppbv	parts per billion by volume				
PQL	Practical Quantitation Limit				
QA/QC	Quality Assurance/Quality Control				
QL	Quantitation Limit				
R	The value is not usable				
RL	Reporting Limit				
RPD	Relative Percent Difference				
RSD	Relative Standard Deviation				
SIM	Selected Ion Monitoring				
Surr	Surrogate				
TCLP	Toxic Characteristics Leaching Procedure				
U	Not detected				
m <sup>3</sup>	cubic meter	kg	kilogram	µg	microgram
L	liter	g	gram	pg	picogram
mL	milliliter	mg	milligram	ng	nanogram
µL	microliter	µg/m <sup>3</sup>	microgram/cubic meter		
*	Value exceeds the acceptable QC limit				

Revision 8/03/05

Table 1.1 Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Based on Dry Weight

Sample # : Soil Blank A 090805-1 0-0165-0201 0-0165-0203 0-0165-0206  
Location : LV-N35(0-2) LV-N35(3-4)D LV-N38(0-2)  
% Solid : 100 75 72 85

Analyte	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	33.3	U	34.7	U	29.4
cis-1,2-Dichloroethene	U	5.00	U	33.3	25.7 J	34.7	U	29.4
Trichloroethene	U	5.00	178	33.3	3340 E	34.7	73.2 J	29.4
Toluene	1.46 J	5.00	U	33.3	U	34.7	U	29.4
Tetrachloroethene	U	5.00	U	33.3	51.2	34.7	U	29.4
p&m-Xylene	U	10.0	U	66.7	U	69.4	U	58.8
o-Xylene	U	5.00	U	33.3	U	34.7	U	29.4

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Based on Dry Weight

Sample # : Soil blank A 090905-1 0-0165-0243 0-0165-0252  
Location : LV-N51(0-2) LV-N56(0-2)  
% Solid : 100 74 71

Analyte	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	33.8	R	35.2
cis-1,2-Dichloroethene	U	5.00	U	33.8	R	35.2
Trichloroethene	U	5.00	25.5 J	33.8	27200 E	35.2
Toluene	1.73 J	5.00	U	33.8	215 J	35.2
Tetrachloroethene	U	5.00	U	33.8	R	35.2
p&m-Xylene	U	10.0	U	67.6	15.0 J	70.4
o-Xylene	U	5.00	U	33.8	8.82 J	35.2

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Based on Dry Weight

Sample # : Soil Blank A 091005-1 0-0165-0285 0-0165-0301 0-0165-0302 0-0165-0304  
Location : LV-N67(0-2) LV-N74(2-4) LV-BLD1(0-2) LV-BLD2(0-2)  
% Solid : 100 86 78 69 79

Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U J	5.00	U J	29.1	U J	32.1	U J	36.2	U J	31.6
cis-1,2-Dichloroethene	U J	5.00	U J	29.1	U J	32.1	U J	36.2	U J	31.6
Trichloroethene	U J	5.00	319 J	29.1	49.9 J	32.1	587 -J	36.2	67.5 J	31.6
Toluene	U J	5.00	U J	29.1	U J	32.1	U J	36.2	U J	31.6
Tetrachloroethene	U J	5.00	U J	29.1	U J	32.1	U J	36.2	U J	31.6
p&m-Xylene	U J	10.0	U J	58.1	U J	64.1	U J	72.5	U J	63.3
o-Xylene	U J	5.00	U J	29.1	U J	32.1	U J	36.2	U J	31.6

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Based on Dry Weight

Sample # : Soil Blank A 091005-1 0-0165-0305 0-0165-0306 0-0165-0307 0-0165-0308  
Location : LV-BLD2(0-2)D LV-BLD2(2-4) LV-N75(0-2) LV-N75(0-2)D  
% Solid : 100 76 82 83 85

Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U J	5.00	U J	32.9	U J	30.5	U J	30.1	U J	29.4
cis-1,2-Dichloroethene	U J	5.00	U J	32.9	U J	30.5	U J	30.1	U J	29.4
Trichloroethene	U J	5.00	104 J	32.9	25.7 J	30.5	U J	30.1	U J	29.4
Toluene	U J	5.00	U J	32.9	U J	30.5	U J	30.1	U J	29.4
Tetrachloroethene	U J	5.00	U J	32.9	U J	30.5	U J	30.1	U J	29.4
p&m-Xylene	U J	10.0	U J	65.8	U J	61.0	U J	60.2	U J	58.8
o-Xylene	U J	5.00	U J	32.9	U J	30.5	U J	30.1	U J	29.4

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Sample # : Soil Blank A 091005-1 0-0165-0309 0-0165-0312 0-0165-0313 0-0165-0314  
Location : LV-N75(2-4) LV-N76(0-2) LV-N76(2-4) LV-N77(0-2)  
% Solid : 100 91 73 84 73  
Based on Dry Weight  
Page 5 of 36

Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	J 5.00	U	J 27.5	U	J 34.2	U	J 29.8	U	J 34.2
cis-1,2-Dichloroethene	U	J 5.00	U	J 27.5	U	J 34.2	U	J 29.8	U	J 34.2
Trichloroethene	U	J 5.00	U	J 27.5	108	J 34.2	U	J 29.8	U	J 34.2
Toluene	U	J 5.00	U	J 27.5	U	J 34.2	U	J 29.8	U	J 34.2
Tetrachloroethene	U	J 5.00	U	J 27.5	U	J 34.2	U	J 29.8	U	J 34.2
p&m-Xylene	U	J 10.0	U	J 54.9	U	J 68.5	U	J 59.5	U	J 68.5
o-Xylene	U	J 5.00	U	J 27.5	U	J 34.2	U	J 29.8	U	J 34.2

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Sample # : Soil Blank A 091005-1 0-0165-0315  
Location : LV-N77(2-4)  
% Solid : 100 79  
Based on Dry Weight  
Page 6 of 36

Analyte	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	J 250	U	J 31.6
cis-1,2-Dichloroethene	U	J 250	U	J 31.6
Trichloroethene	U	J 250	U	J 31.6
Toluene	U	J 250	U	J 31.6
Tetrachloroethene	U	J 250	U	J 31.6
p&m-Xylene	U	J 500	U	J 63.3
o-Xylene	U	J 250	U	J 31.6

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Sample # : Soil blank A 091305-1 0-0165-0405 0-0165-0406 0-0165-0316 0-0165-0317  
Location : FB03 TB03 LV-N78(0-2) LV-N78(2-4)  
% Solid : 100 100 100 74 78  
Based on Dry Weight  
Page 7 of 36

Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	5.00	U	5.00	U	33.8	U	32.1
cis-1,2-Dichloroethene	U	5.00	U	5.00	U	5.00	U	33.8	U	32.1
Trichloroethene	U	5.00	U	5.00	U	5.00	U	33.8	U	32.1
Toluene	U	5.00	U	5.00	U	5.00	U	33.8	U	32.1
Tetrachloroethene	U	5.00	U	5.00	U	5.00	U	33.8	U	32.1
p&m-Xylene	U	10.0	U	10.0	U	10.0	U	67.6	U	64.1
o-Xylene	U	5.00	U	5.00	U	5.00	U	33.8	U	32.1

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Sample # : Soil blank A 091305-1 0-0165-0326 0-0165-0501  
Location : LV-N82(0-2) LV-SD1  
% Solid : 100 81 83  
Based on Dry Weight  
Page 8 of 36

Analyte	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	30.9	U	30.1
cis-1,2-Dichloroethene	U	5.00	10.1	J 30.9	U	30.1
Trichloroethene	U	5.00	59.6	J 30.9	U	30.1
Toluene	U	5.00	U	30.9	U	30.1
Tetrachloroethene	U	5.00	U	30.9	U	30.1
p&m-Xylene	U	10.0	U	61.7	U	60.2
o-Xylene	U	5.00	U	30.9	U	30.1



Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

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Method REAC SOP 1807  
Based on Dry Weight

Sample # :	Soil Blank A 091505-1	0-0165-0202		0-0165-0207		0-0165-0208		0-0165-0209		
Location :		LV-N35(3-4)		LV-N38(2-4)		LV-N39(0-2)		LV-N39(2-4)		
% Solid :	100	72		82		75		86		
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	34.7	U	30.5	U	33.3	U	29.1
cis-1,2-Dichloroethene	U	5.00	28.3 J	34.7	U	30.5	U	33.3	U	29.1
Trichloroethene	U	5.00	1690 E	34.7	U	30.5	649	33.3	U	29.1
Toluene	U	5.00	U	34.7	U	30.5	U	33.3	U	29.1
Tetrachloroethene	U	5.00	58.4	34.7	U	30.5	U	33.3	U	29.1
p&m-Xylene	U	10.0	U	69.4	U	61.0	U	66.7	U	58.1
o-Xylene	U	5.00	U	34.7	U	30.5	U	33.3	U	29.1

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

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Method REAC SOP 1807  
Based on Dry Weight

Sample # :	Soil Blank A 091505-1	0-0165-0210		0-0166-0211		0-0165-0212		0-0165-0213		
Location :		LV-N02(0-2)		LV-N02(2-4)		LV-N03(0-2)		LV-N03(2-4)		
% Solid :	100	65		89		81		85		
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	38.5	U	28.1	U	30.9	U	29.4
cis-1,2-Dichloroethene	U	5.00	U	38.5	U	28.1	U	30.9	U	29.4
Trichloroethene	U	5.00	U	38.5	U	28.1	U	30.9	U	29.4
Toluene	U	5.00	U	38.5	U	28.1	U	30.9	U	29.4
Tetrachloroethene	U	5.00	U	38.5	U	28.1	U	30.9	U	29.4
p&m-Xylene	U	10.0	U	76.9	U	56.2	U	61.7	U	58.8
o-Xylene	U	5.00	U	38.5	U	28.1	U	30.9	U	29.4

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

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Method REAC SOP 1807  
Based on Dry Weight

Sample # :	Soil Blank A 091505-1	0-0165-0214		
Location :		LV-N03(2-4) D		
% Solid :	100	87		
Analyte	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	28.7
cis-1,2-Dichloroethene	U	5.00	U	28.7
Trichloroethene	U	5.00	U	28.7
Toluene	U	5.00	U	28.7
Tetrachloroethene	U	5.00	U	28.7
p&m-Xylene	U	10.0	U	57.5
o-Xylene	U	5.00	U	28.7

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

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Method REAC SOP 1807  
Based on Dry Weight

Sample # :	Soil Blank A 091605-1	0-0165-0231		0-0165-0250		0-0165-0253		0-0165-0254		
Location :		LV-N48(2-4)		LV-N55(0-2)		LV-N56(2-4)		LV-N56(2-4)D		
% Solid :	100	78		83		77		76		
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	32.1	U	30.1	U	32.5	U	32.9
cis-1,2-Dichloroethene	U	5.00	U	32.1	U	30.1	U	32.5	U	32.9
Trichloroethene	U	5.00	44.4	32.1	37.5	30.1	43.8	32.5	56.2	32.9
Toluene	1.70 J	5.00	U	32.1	U	30.1	U	32.5	U	32.9
Tetrachloroethene	U	5.00	U	32.1	U	30.1	U	32.5	U	32.9
p&m-Xylene	U	10.0	U	64.1	U	60.2	U	64.9	U	65.8
o-Xylene	U	5.00	U	32.1	U	30.1	U	32.5	U	32.9

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Based on Dry Weight  
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Sample # :	Soil Blank A 091605-1		0-0165-0255		0-0165-0256		0-0165-0257		0-0165-0258	
Location :			LV-N54(0-2)D		LV-N54(2-4)		LV-N59(0-2)		LV-N59(2-4)	
% Solid :	100		80		81		85		82	
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	31.3	U	30.9	U	29.4	U	30.5
cis-1,2-Dichloroethene	U	5.00	U	31.3	U	30.9	U	29.4	U	30.5
Trichloroethene	U	5.00	U	31.3	U	30.9	U	29.4	U	30.5
Toluene	1.70	J 5.00	U	31.3	U	30.9	U	29.4	U	30.5
Tetrachloroethene	U	5.00	U	31.3	U	30.9	U	29.4	U	30.5
p&m-Xylene	U	10.0	U	62.5	U	61.7	U	58.8	U	61.0
o-Xylene	U	5.00	U	31.3	U	30.9	U	29.4	U	30.5

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Based on Dry Weight  
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Sample # :	Soil Blank A 091605-1		0-0165-0259		0-0165-0260		0-0165-0264		0-0165-0265	
Location :			LV-N61(0-2)		LV-N61(2-4)		LV-N60(0-2)		LV-N60(2-4)	
% Solid :	100		78		66		80		82	
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	32.1	U	37.9	U	31.3	U	30.5
cis-1,2-Dichloroethene	U	5.00	U	32.1	U	37.9	U	31.3	U	30.5
Trichloroethene	U	5.00	79.7	32.1	U	37.9	U	31.3	28.6	J 30.5
Toluene	1.70	J 5.00	U	32.1	U	37.9	U	31.3	U	30.5
Tetrachloroethene	U	5.00	U	32.1	U	37.9	U	31.3	U	30.5
p&m-Xylene	U	10.0	U	64.1	U	75.8	U	62.5	U	61.0
o-Xylene	U	5.00	U	32.1	U	37.9	U	31.3	U	30.5

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Based on Dry Weight  
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Sample # :	Soil Blank A 091605-1		0-0165-0303	
Location :			LV-BLD1(2-4)	
% Solid :	100		81	
Analyte	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	30.9
cis-1,2-Dichloroethene	U	5.00	U	30.9
Trichloroethene	U	5.00	9.01	J 30.9
Toluene	1.70	J 5.00	U	30.9
Tetrachloroethene	U	5.00	U	30.9
p&m-Xylene	U	10.0	U	61.7
o-Xylene	U	5.00	U	30.9

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Based on Dry Weight  
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Sample # :	Soil Blank B 090805-1		0-0165-0215		0-0165-0216		0-0165-0217		0-0165-0218	
Location :			LV-N04(0-2)		LV-N04(2-4)		LV-N05(0-2)		LV-N05(2-4)	
% Solid :	100		79		91		70		82	
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	316	U	27.5	U	35.7	U	30.5
cis-1,2-Dichloroethene	U	5.00	U	316	U	27.5	14.0	J 35.7	U	30.5
Trichloroethene	U	5.00	U	316	U	27.5	914	35.7	22.6	J 30.5
Toluene	1.42	J 5.00	U	316	U	27.5	U	35.7	U	30.5
Tetrachloroethene	U	5.00	U	316	U	27.5	U	35.7	U	30.5
p&m-Xylene	U	10.0	U	633	U	54.9	U	71.4	U	61.0
o-Xylene	U	5.00	U	316	U	27.5	U	35.7	U	30.5

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Based on Dry Weight

Sample # : Soil Blank B 090805-1 0-0165-0219 0-0165-0220 0-0165-0221 0-0165-0222  
Location : LV-N07(0-2) LV-N07(2-4) LV-N11(0-2) LV-N11(2-4)  
% Solid : 100 67 85 89 76  
Analyte Result RL Result RL Result RL Result RL Result RL  
Unit : µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg

Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
trans-1,2-Dichloroethene	U	5.00	U	37.3	U	29.4	U	28.1	U	32.9
cis-1,2-Dichloroethene	U	5.00	31.7 J	37.3	U	29.4	U	28.1	U	32.9
Trichloroethene	U	5.00	81.3	37.3	U	29.4	187	28.1	1830 E	32.9
Toluene	1.42 J	5.00	U	37.3	U	29.4	U	28.1	U	32.9
Tetrachloroethene	U	5.00	U	37.3	U	29.4	U	28.1	U	32.9
p&m-Xylene	U	10.0	U	74.6	U	58.8	U	56.2	U	65.8
o-Xylene	U	5.00	U	37.3	U	29.4	U	28.1	U	32.9

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Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Based on Dry Weight

Sample # : Soil Blank B 090805-1 0-0165-0225 0-0165-0227 0-0165-0228 0-0165-0229  
Location : LV-N46(0-2) LV-N46(2-4)D LV-N47(0-2) LV-N47(2-4)  
% Solid : 100 89 77 81 80  
Analyte Result RL Result RL Result RL Result RL Result RL  
Unit : µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg

Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
trans-1,2-Dichloroethene	U	5.00	U	28.1	U	32.5	U	30.9	U	31.3
cis-1,2-Dichloroethene	U	5.00	U	28.1	U	32.5	U	30.9	U	31.3
Trichloroethene	U	5.00	3070 E	28.1	308	32.5	435	30.9	20.3 J	31.3
Toluene	1.42 J	5.00	U	28.1	U	32.5	U	30.9	U	31.3
Tetrachloroethene	U	5.00	11.1 J	28.1	U	32.5	U	30.9	U	31.3
p&m-Xylene	U	10.0	U	56.2	U	64.9	U	61.7	U	62.5
o-Xylene	U	5.00	U	28.1	U	32.5	U	30.9	U	31.3

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Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Based on Dry Weight

Sample # : Soil Blank B 090805-1 0-0165-0230 Soil Blank B 090905-1 0-0165-0226  
Location : LV-N48(0-2) LV-N46(2-4)  
% Solid : 100 85 100 77  
Analyte Result RL Result RL Result RL Result RL  
Unit : µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg

Analyte	Result	RL	Result	RL	Result	RL	Result	RL
trans-1,2-Dichloroethene	U	5.00	U	29.4	U	5.00	U	32.5
cis-1,2-Dichloroethene	U	5.00	U	29.4	U	5.00	U	32.5
Trichloroethene	U	5.00	69.5	29.4	U	5.00	239	32.5
Toluene	1.42 J	5.00	U	29.4	U	5.00	U	32.5
Tetrachloroethene	U	5.00	U	29.4	U	5.00	U	32.5
p&m-Xylene	U	10.0	U	58.8	U	10.0	U	64.9
o-Xylene	U	5.00	U	29.4	U	5.00	U	32.5

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Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Based on Dry Weight

Sample # : Soil Blank B 090905-1 0-0165-0234 0-0165-0238 0-0165-0239 0-0165-0240  
Location : LV-N49(0-2) LV-N50(0-2) LV-N50(2-4) LV-N50(2-4)D  
% Solid : 100 72 73 75 74  
Analyte Result RL Result RL Result RL Result RL  
Unit : µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg

Analyte	Result	RL	Result	RL	Result	RL	Result	RL
trans-1,2-Dichloroethene	U	5.00	U	34.7	U	34.2	U	33.3
cis-1,2-Dichloroethene	U	5.00	U	34.7	U	34.2	U	33.3
Trichloroethene	U	5.00	U	34.7	25.0 J	34.2	76.2	33.3
Toluene	U	5.00	U	34.7	U	34.2	U	33.3
Tetrachloroethene	U	5.00	U	34.7	U	34.2	14.9 J	33.3
p&m-Xylene	U	10.0	U	69.4	U	68.5	U	66.7
o-Xylene	U	5.00	U	34.7	U	34.2	U	33.3

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Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Based on Dry Weight  
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Sample # :	Soil Blank B 090905-1	0-0165-0235	0-0165-0244	0-0165-0245	0-0165-0248						
Location :		LV-N49(2-4)	LV-N51(2-4)	LV-N51(2-4)D	LV-N41(0-2)						
% Solid :	100	74	76	77	72						
Analyte	Result	RL	Result	RL	Result	RL					
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg					
trans-1,2-Dichloroethene	U	5.00	U	33.8	U	32.9	U	32.5	U	34.7	
cis-1,2-Dichloroethene	U	5.00	U	33.8	U	32.9	U	32.5	U	34.7	
Trichloroethene	U	5.00	36.0	33.8	25.1 J	32.9	21.2 J	32.5	29200	E	34.7
Toluene	U	5.00	U	33.8	U	32.9	U	32.5	R	34.7	
Tetrachloroethene	U	5.00	U	33.8	U	32.9	U	32.5	R	34.7	
p&m-Xylene	U	10.0	U	67.6	U	65.8	U	64.9	R	69.4	
o-Xylene	U	5.00	U	33.8	U	32.9	U	32.5	R	34.7	

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Based on Dry Weight  
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Sample # :	Soil Blank B 090905-1	0-0165-0249		
Location :		LV-N41(2-4)		
% Solid :	100	79		
Analyte	Result	RL	Result	RL
Unit	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	31.8
cis-1,2-Dichloroethene	U	5.00	U	31.6
Trichloroethene	U	5.00	234	31.6
Toluene	U	5.00	U	31.6
Tetrachloroethene	U	5.00	U	31.6
p&m-Xylene	U	10.0	U	63.3
o-Xylene	U	5.00	U	31.6

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Based on Dry Weight  
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Sample # :	Soil Blank B 090905-2	0-0165-0251	0-0165-0268	0-0165-0270	0-0165-0271					
Location :		LV-N55(2-4)	LV-N43(4-6)	LV-N63(0-2)	LV-N63(2-4)					
% Solid :	100	79	89	76	67					
Analyte	Result	RL	Result	RL	Result	RL				
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg				
trans-1,2-Dichloroethene	U	5.00	U	31.6	U	28.1	U	32.9	U	37.3
cis-1,2-Dichloroethene	U	5.00	U	31.6	U	28.1	U	32.9	U	37.3
Trichloroethene	U	5.00	U	31.6	7.05 J	28.1	1770 E	32.9	786	37.3
Toluene	U	5.00	U	31.6	U	28.1	U	32.9	U	37.3
Tetrachloroethene	U	5.00	U	31.6	U	28.1	57.6	32.9	68.2	37.3
p&m-Xylene	U	10.0	U	63.3	U	56.2	U	65.8	U	74.6
o-Xylene	U	5.00	U	31.6	U	28.1	U	32.9	U	37.3

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Based on Dry Weight  
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Sample # :	Soil Blank B 090905-2	0-0165-0275	0-0165-0276	0-0165-0279	0-0165-0280					
Location :		LV-N64(0-2)	LV-N64(2-4)	LV-N65(0-2)	LV-N65(2-4)					
% Solid :	100	78	82	81	85					
Analyte	Result	RL	Result	RL	Result	RL				
Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg				
trans-1,2-Dichloroethene	U	5.00	U	32.1	U	30.5	U	30.9	U	29.4
cis-1,2-Dichloroethene	U	5.00	U	32.1	U	30.5	U	30.9	U	29.4
Trichloroethene	U	5.00	321	32.1	18.6 J	30.5	1130	30.9	22.3 J	29.4
Toluene	U	5.00	12.4 J	32.1	U	30.5	U	30.9	U	29.4
Tetrachloroethene	U	5.00	23.2 J	32.1	U	30.5	U	30.9	U	29.4
p&m-Xylene	U	10.0	U	64.1	U	61.0	U	61.7	U	58.8
o-Xylene	U	5.00	U	32.1	U	30.5	U	30.9	U	29.4

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807 Based on Dry Weight Page 25 of 36

Sample # :	Soil Blank B 090905-2	0-0165-0283	0-0165-0284	0-0165-0286	0-0165-0287					
Location :		LV-N66(0-2)	LV-N66(2-4)	LV-N67(2-4)	LV-N68(0-2)					
% Solid :	100	84	72	83	86					
Analyte	Result	RL	Result	RL	Result	RL				
Unit :	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg				
trans-1,2-Dichloroethene	U	5.00	U	29.8	U	34.7	U	30.1	U	29.1
cis-1,2-Dichloroethene	U	5.00	U	29.8	U	34.7	U	30.1	U	29.1
Trichloroethene	U	5.00	19.0 J	29.8	37.6	34.7	U	30.1	151 J	29.1
Toluene	U	5.00	U	29.8	U	34.7	U	30.1	R	29.1
Tetrachloroethene	U	5.00	U	29.8	U	34.7	U	30.1	R	29.1
p&m-Xylene	U	10.0	U	59.5	U	69.4	U	60.2	R	58.1
o-Xylene	U	5.00	U	29.8	U	34.7	U	30.1	R	29.1

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807 Based on Dry Weight Page 26 of 36

Sample # :	Soil Blank B 090905-2	0-0165-0288		
Location :		LV-N68(2-4)		
% Solid :	100	88		
Analyte	Result	RL	Result	RL
Unit :	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	28.4
cis-1,2-Dichloroethene	U	5.00	U	28.4
Trichloroethene	U	5.00	U	28.4
Toluene	U	5.00	U	28.4
Tetrachloroethene	U	5.00	U	28.4
p&m-Xylene	U	10.0	U	56.8
o-Xylene	U	5.00	U	28.4

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807 Based on Dry Weight Page 27 of 36

Sample # :	Soil Blank B 091005-1	0-0165-0289	0-0165-0290	0-0165-0291	0-0165-0292					
Location :		LV-N68(2-4)D	LV-N69(0-2)	LV-N69(2-4)	LV-N70(0-2)					
% Solid :	100	89	90	83	93					
Analyte	Result	RL	Result	RL	Result	RL				
Unit :	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg				
trans-1,2-Dichloroethene	U	5.00	U	28.1	U	27.8	U	30.1	U	26.9
cis-1,2-Dichloroethene	U	5.00	U	28.1	U	27.8	U	30.1	U	26.9
Trichloroethene	U	5.00	U	28.1	8.94 J	27.8	U	30.1	U	26.9
Toluene	1.28 J	5.00	U	28.1	U	27.8	U	30.1	U	26.9
Tetrachloroethene	U	5.00	U	28.1	U	27.8	U	30.1	U	26.9
p&m-Xylene	U	10.0	U	56.2	U	55.6	U	60.2	U	53.8
o-Xylene	U	5.00	U	28.1	U	27.8	U	30.1	U	26.9

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807 Based on Dry Weight Page 28 of 36

Sample # :	Soil Blank B 091005-1	0-0165-0293	0-0165-0294	0-0165-0295	0-0165-0296					
Location :		LV-N70(2-4)	LV-N71(0-2)	LV-N71(2-4)	LV-N72(0-2)					
% Solid :	100	82	82	86	84					
Analyte	Result	RL	Result	RL	Result	RL				
Unit :	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg				
trans-1,2-Dichloroethene	U	5.00	U	30.5	U	30.5	U	29.1	U	29.8
cis-1,2-Dichloroethene	U	5.00	U	30.5	U	30.5	U	29.1	U	29.8
Trichloroethene	U	5.00	U	30.5	U	30.5	U	29.1	U	29.8
Toluene	1.28 J	5.00	U	30.5	U	30.5	U	29.1	U	29.8
Tetrachloroethene	U	5.00	U	30.5	U	30.5	U	29.1	U	29.8
p&m-Xylene	U	10.0	U	61.0	U	61.0	U	58.1	U	59.5
o-Xylene	U	5.00	U	30.5	U	30.5	U	29.1	U	29.8

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Based on Dry Weight

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Sample # :	Soil Blank B 091005-1	0-0165-0297	0-0165-0298				0-0165-0299		0-0165-0300	
Location :		LV-N72(2-4)	LV-N73(0-2)				LV-N73(2-4)		LV-N74(0-2)	
% Solid :	100	81	75				76		93	
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit :	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	30.9	U	33.3	U	32.9	U	26.9
cis-1,2-Dichloroethene	U	5.00	U	30.9	U	33.3	U	32.9	U	26.9
Trichloroethene	U	5.00	U	30.9	84.3	33.3	22.2 J	32.9	U	26.9
Toluene	1.28 J	5.00	U	30.9	U	33.3	U	32.9	U	26.9
Tetrachloroethene	U	5.00	U	30.9	U	33.3	U	32.9	U	26.9
p&m-Xylene	U	10.0	U	61.7	U	66.7	U	65.8	U	53.8
o-Xylene	U	5.00	U	30.9	U	33.3	U	32.9	U	26.9

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Based on Dry Weight

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Sample # :	Soil Blank B 091105-3	0-0165-0318	0-0165-0320				0-0165-0321		0-0165-0322	
Location :		LV-N78(2-4)D	LV-N79(2-4)				LV-N79(2-4)D		LV-N80(0-2)	
% Solid :	100	79	77				75		87	
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit :	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	31.6	U	32.5	U	33.3	U	28.7
cis-1,2-Dichloroethene	U	5.00	U	31.6	U	32.5	U	33.3	U	28.7
Trichloroethene	U	5.00	U	31.6	U	32.5	U	33.3	27.0 J	28.7
Toluene	U	5.00	U	31.6	U	32.5	U	33.3	U	28.7
Tetrachloroethene	U	5.00	U	31.6	U	32.5	U	33.3	U	28.7
p&m-Xylene	U	10.0	U	63.3	U	64.9	U	66.7	U	57.5
o-Xylene	U	5.00	U	31.6	U	32.5	U	33.3	U	28.7

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Based on Dry Weight

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Sample # :	Soil Blank B 091105-3	0-0165-0323	0-0165-0324				0-0165-0325		0-0165-0327	
Location :		LV-N80(2-4)	LV-N81(0-2)				LV-N81(2-4)		LV-N82(2-4)	
% Solid :	100	85	82				82		89	
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit :	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	29.4	U	30.5	U	30.5	U	28.1
cis-1,2-Dichloroethene	U	5.00	U	29.4	10.5 J	30.5	U	30.5	U	28.1
Trichloroethene	U	5.00	U	29.4	94.7	30.5	U	30.5	38.8	28.1
Toluene	U	5.00	U	29.4	U	30.5	U	30.5	26.1 J	28.1
Tetrachloroethene	U	5.00	U	29.4	U	30.5	U	30.5	U	28.1
p&m-Xylene	U	10.0	U	58.8	U	61.0	U	61.0	11.6 J	56.2
o-Xylene	U	5.00	U	29.4	U	30.5	U	30.5	U	28.1

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807  
Based on Dry Weight

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Sample # :	Soil Blank B 091105-3	0-0165-0328	0-0165-0331				0-0165-0502		0-0165-0503	
Location :		LV-N82(2-4)D	LV-N82(CB)				LV-SD2		LV-SD2D	
% Solid :	100	89	49				78		70	
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit :	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	28.1	U	51.0	U	32.1	U	35.7
cis-1,2-Dichloroethene	U	5.00	U	28.1	U	51.0	U	32.1	U	35.7
Trichloroethene	U	5.00	U	28.1	U	51.0	U	32.1	U	35.7
Toluene	U	5.00	U	28.1	U	51.0	U	32.1	U	35.7
Tetrachloroethene	U	5.00	U	28.1	U	51.0	U	32.1	U	35.7
p&m-Xylene	U	10.0	U	56.2	U	102	U	64.1	U	71.4
o-Xylene	U	5.00	U	28.1	U	51.0	U	32.1	U	35.7

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807 Based on Dry Weight Page 33 of 36

Sample # :	Soil Blank B 091105-3		0-0165-0504		0-0165-0401		0-0165-0402		0-0165-0403	
Location :			LV-SD3		FB01		TB01		FB02	
% Solid :	100		59		100		100		100	
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit :	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	42.4	U	5.00	U	5.00	U	5.00
cis-1,2-Dichloroethene	U	5.00	U	42.4	U	5.00	U	5.00	U	5.00
Trichloroethene	U	5.00	U	42.4	U	5.00	U	5.00	U	5.00
Toluene	U	5.00	U	42.4	U	5.00	U	5.00	U	5.00
Tetrachloroethene	U	5.00	U	42.4	U	5.00	U	5.00	U	5.00
p&m-Xylene	U	10.0	U	84.7	U	10.0	U	10.0	U	10.0
o-Xylene	U	5.00	U	42.4	U	5.00	U	5.00	U	5.00

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807 Based on Dry Weight Page 34 of 36

Sample # :	Soil Blank B 091305-1		0-0165-0404		0-0165-0204		0-0165-0205	
Location :			TB02		LV-N35(4-5)		LV-N35(7-8)	
% Solid :	100		100		80		86	
Analyte	Result	RL	Result	RL	Result	RL	Result	RL
Unit :	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	5.00	U	31.3	U	29.1
cis-1,2-Dichloroethene	U	5.00	U	5.00	U	31.3	U	29.1
Trichloroethene	U	5.00	U	5.00	505	31.3	29.4	29.1
Toluene	U	5.00	U	5.00	U	31.3	U	29.1
Tetrachloroethene	U	5.00	U	5.00	12.6 J	31.3	11.8 J	29.1
p&m-Xylene	U	10.0	U	10.0	U	62.5	U	58.1
o-Xylene	U	5.00	U	5.00	U	31.3	U	29.1

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807 Based on Dry Weight Page 35 of 36

Sample # :	Soil Blank B 091305-1		0-0165-0223		0-0165-0224	
Location :			LV-N11(4-6)		LV-N11(6-8)	
% Solid :	100		79		89	
Analyte	Result	RL	Result	RL	Result	RL
Unit :	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	31.6	U	28.1
cis-1,2-Dichloroethene	U	5.00	U	31.6	U	28.1
Trichloroethene	U	5.00	18.3 J	31.6	U	28.1
Toluene	U	5.00	U	31.6	U	28.1
Tetrachloroethene	U	5.00	U	31.6	U	28.1
p&m-Xylene	U	10.0	U	63.3	U	56.2
o-Xylene	U	5.00	U	31.6	U	28.1

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807 Based on Dry Weight Page 36 of 36

Sample # :	Soil Blank B 091405-1		0-0165-0272		0-0165-0273		0-0165-0274		0-0165-0319	
Location :			LV-N63(4-6)		LV-N63(6-8)		LV-N63(6-8)D		LV-N79(0-2)	
% Solid :	100		88		88		89		85	
Analyte	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Unit :	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	5.00	U	28.4	U	28.4	U	28.1	U	29.4
cis-1,2-Dichloroethene	U	5.00	U	28.4	U	28.4	U	28.1	U	29.4
Trichloroethene	U	5.00	26.7 J	28.4	11.6 J	28.4	22.0 J	28.1	U	29.4
Toluene	U	5.00	U	28.4	U	28.4	U	28.1	U	29.4
Tetrachloroethene	U	5.00	U	28.4	U	28.4	U	28.1	U	29.4
p&m-Xylene	U	10.0	U	56.8	U	56.8	U	56.2	U	58.8
o-Xylene	U	5.00	U	28.4	U	28.4	U	28.1	U	29.4

Table 2.1 Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Analysis Date		9/08/2005						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3	
AV1788.D	Soil Blank A 090805-1	83155	649654	396789	110	104	90	
AV1789.D	LCS AS 23	78699	617884	385744	116	101	89	
AV1790.D	0165-0201/5x	74585	574978	347026	119	106	84	
AV1792.D	0165-0203/5x	68356	497409	265718	120	119	67	
AV1793.D	0165-0206/5x	67381	525420	325236	124 *	104	83	
AV1794.D	0165-0206/5x ms	68752	528226	334016	123 *	101	84	
AV1795.D	0165-0206/5x msd	65223	518554	321591	123 *	102	81	
Cal Check Area		AV1787.D	84780	670476	453036			

Analysis Date		9/09/2005						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3	
AV1824.D	Soil Blank A 090905-1	108136	735192	435728	103	108	92	
AV1825.D	LCS AS 24	95632	664804	400863	110	107	90	
AV1826.D	0-0165-0243/5x	94687	647906	394786	110	108	87	
AV1830.D	0-0165-0252/5x	32100 *	214569 *	92008 *	121 *	143 *	63	
Cal Check Area		AV1823.D	133365	904136	588385			

Analysis Date		9/10/2005						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3	
AV1853.D	Soil Blank A 091005-1	111349	826267	480789	106	111	86	
AV1854.D	LCS AS 25	111448	808096	480918	109	109	86	
AV1855.D	0-0165-0285/5x	96424	704164	369961	111	121	75	
AV1858.D	0-0165-0301/5x	85957	634315	367597	113	114	81	
AV1859.D	0-0165-0302/5x	87549	639587	378020	117	112	82	
AV1860.D	0-0165-0304/5x	83771	611379	367889	116	110	84	
AV1861.D	0-0165-0305/5x	82486	605604	366077	118	109	84	
AV1862.D	0-0165-0306/5x	82311	601107	362759	116	109	83	
AV1863.D	0-0165-0307/5x	82495	590973	360489	118	109	84	
AV1864.D	0-0165-0308/5x	81444	595999	360338	117	109	83	
AV1865.D	0-0165-0309/5x	82747	592457	357783	117	109	84	
AV1866.D	0-0165-0312/5x	79305	577833	340796	117	112	81	
AV1867.D	0-0165-0313/5x	81733	589362	355614	117	109	83	
AV1868.D	0-0165-0314/5x	80377	586815	345421	118	112	80	
AV1869.D	0-0165-0315/5x	80043	581521	352505	118	110	84	
Cal Check Area		AV1852.D	112726	812633	546843			

Analysis Date		9/13/2005						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3	
AV1933.D	Soil blank A 091305-1	167386	1195667	661130	107	110	90	
AV1934.D	0-0165-0405	151250	1076008	609302	111	108	88	
AV1935.D	0-0165-0406	143810	1033119	588000	113	107	87	
AV1936.D	0-0165-0316/5x	131705	939480	530730	113	110	85	
AV1937.D	0-0165-0317/5x	129226	923046	530779	117	108	85	
AV1938.D	0-0165-0326/5x	127580	937656	545768	118	106	83	
AV1939.D	0-0165-0326/5x ms	127129	988900	578492	114	105	83	
AV1940.D	0-0165-0326/5x msd	129265	1004292	588194	117	104	82	
AV1941.D	0-0165-0501/5x	129801	938259	543589	121	107	84	
AV1942.D	0-0165-0501/5x ms	131338	1000947	572967	115	107	82	
AV1943.D	0-0165-0501/5x msd	128147	984293	569501	116	106	83	
Cal Check Area		AV1927.D	130310	910722	648094			

		Surrogate QC Limits		
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	70-121
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	84-136
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	59-113



Table 2.1 (cont.) Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Analysis Date	9/15/2005						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
AV1988.D	Soil Blank A 091505-1	415376	2943758	1585228	104	106	99
AV1989.D	LCS AS 26	433220	3061379	1638723	104	105	98
AV1990.D	0-0165-0202/5x	413292	2949856	1483472	105	111	90
AV1991.D	0-0165-0207/5x	412642	2984770	1589511	104	106	98
AV1992.D	0-0165-0208/5x	403184	2882332	1456899	105	112	90
AV1993.D	0-0165-0209/5x	411326	2908751	1570615	105	106	99
AV1994.D	0-0165-0210/5x	412396	2916542	1541277	105	107	94
AV1995.D	0-0165-0211/5x	416209	2936774	1585958	105	105	98
AV1996.D	0-0165-0212/5x	405293	2926056	1568416	106	105	98
AV1997.D	0-0165-0213/5x	400652	2866342	1557672	107	105	98
AV1998.D	0-0165-0214/5x	400036	2874549	1554601	106	105	99

Cal Check Area	AV1985.D	413680	2894070	1716180			
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Analysis Date	9/16/2005						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
AV2004.D	Soil Blank A 091605-1	427181	3148862	1652473	104	107	97
AV2005.D	0-0165-0231/5X	415916	2995563	1595807	105	106	98
AV2006.D	0-0165-0250/5X	402943	2910209	1455845	106	112	90
AV2007.D	0-0165-0253/5X	410074	2953140	1575259	107	106	99
AV2008.D	0-0165-0254/5X	399027	2907578	1548168	106	106	98
AV2009.D	0-0165-0255/5X	403910	2919336	1487690	107	110	91
AV2010.D	0-0165-0256/5X	395399	2888831	1556911	107	105	99
AV2011.D	0-0165-0257/5X	391452	2820697	1400712	107	113	88
AV2012.D	0-0165-0258/5X	397889	2865394	1546097	107	105	98
AV2013.D	0-0165-0259/5X	397716	2822987	1429806	106	111	89
AV2014.D	0-0165-0260/5X	398096	2880728	1520196	107	107	95
AV2015.D	0-0165-0264/5X	395653	2874892	1480373	107	109	92
AV2016.D	0-0165-0265/5X	402810	2838313	1476291	108	108	92
AV2018.D	0-0165-0303/5X	387302	2822795	1531121	109	105	97
AV2019.D	0-0165-0303/5X MS	405523	2934436	1583545	109	105	97
AV2020.D	0-0165-0303/5X MSD	410006	2929414	1594817	107	104	97

Cal Check Area	AV2003.D	415092	2999350	1716420			
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Analysis Date	9/08/2005						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
BV2252.D	Soil Blank B 090805-1	186376	1683218	950005	102	101	101
BV2253.D	LCS BS 36A	186267	1663141	942852	102	100	100
BV2254.D	0165-0215/5x	171582	1557914	875406	104	101	98
BV2255.D	0165-0215/5x ms	171028	1576521	878270	106	101	97
BV2256.D	0165-0215/5x msd	169700	1553841	878517	107	100	97
BV2257.D	0165-0216/5x	150818	1423634	799269	108	102	95
BV2258.D	0165-0217/5x	152060	1399987	733064	106	109	88
BV2259.D	0165-0218/5x	156692	1406054	808858	109	100	98
BV2260.D	0165-0219/5x	130922	1217876	566338	106	119	77
BV2261.D	0165-0220/5x	145390	1346809	756208	110	101	95
BV2262.D	0165-0221/5x	148768	1338247	741482	109	104	93
BV2263.D	0165-0222/5x	129288	1222358	598341	109	116	77
BV2264.D	0165-0225/5x	123350	1091644	482642	109	123	75
BV2265.D	0165-0227/5x	135183	1287697	715757	110	104	93
BV2266.D	0165-0228/5x	141885	1283631	650807	111	112	81
BV2267.D	0165-0229/5x	138379	1289964	714198	111	102	94
BV2268.D	0165-0230/5x	145530	1329405	742757	111	102	94

Cal Check Area	BV2251.D	180824	1693860	960524			
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Surrogate QC Limits				
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	70-121
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	84-138
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	59-113

Table 2.1 (cont.) Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Analysis Date		9/09/2005						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3	
BV2275.D	Soil Blank B 090905-1	155172	1417878	820885	108	100	98	
BV2276.D	0-0165-0226/5x	158358	1384262	789943	111	102	95	
BV2279.D	0-0165-0234/5x	136904	1270189	726176	111	101	95	
BV2280.D	0-0165-0238/5x	133489	1211787	683404	112	101	93	
BV2281.D	0-0165-0239/5x	144875	1300601	737782	111	102	93	
BV2282.D	0-0165-0240/5x	136843	1271070	708118	111	103	90	
BV2283.D	0-0165-0235/5x	135327	1255234	698715	112	103	91	
BV2284.D	0-0165-0234/5x ms	125244	1241754	680175	110	102	93	
BV2285.D	0-0165-0234/5x msd	134488	1302547	733600	111	100	94	
BV2286.D	0-0165-0244/5x	139771	1278931	713430	111	103	91	
BV2287.D	0-0165-0245/5x	121691	1187052	659706	112	104	92	
BV2288.D	0-0165-0248/5x	129854	1051762	404962 *	112	139 *	63	
BV2289.D	0-0165-0249/5x	137778	1264587	735968	111	100	96	
Cal Check Area	BV2274.D	154934	1417030	825224				

Analysis Date		9/10/2005						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3	
BV2292.D	Soil Blank B 090905-2	145576	1328338	769324	108	100	97	
BV2293.D	LCS BS 36B	142878	1355782	769571	108	100	96	
BV2294.D	0-0165-0251/5x	136111	1246588	722570	110	100	96	
BV2295.D	0-0165-0251/5x ms	138189	1325333	749873	109	100	94	
BV2296.D	0-0165-0251/5x msd	123127	1242121	691073	111	102	94	
BV2297.D	0-0165-0268/5x	141361	1272334	746511	111	99	97	
BV2298.D	0-0165-0270/5x	131829	1180931	612850	111	111	79	
BV2299.D	0-0165-0271/5x	127687	1215055	685291	109	103	90	
BV2300.D	0-0165-0275/5x	122694	1130782	612187	111	107	81	
BV2301.D	0-0165-0276/5x	138138	1252559	736701	112	99	98	
BV2302.D	0-0165-0279/5x	121807	1124896	572054	110	112	83	
BV2303.D	0-0165-0280/5x	110948	1100121	619467	111	103	94	
BV2304.D	0-0165-0283/5x	125852	1194906	682865	111	102	93	
BV2305.D	0-0165-0284/5x	122711	1068711	564358	114	107	83	
BV2306.D	0-0165-0286/5x	120349	1170501	660476	111	102	92	
BV2307.D	0-0165-0287/5x	127402	983455	364630 *	110	148 *	54 *	
BV2308.D	0-0165-0288/5x	123443	1150245	668939	112	100	97	
Cal Check Area	BV2291.D	154991	1390080	826179				

		Surrogate QC Limits		
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	70-121
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	84-138
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	59-113

Table 2.1 (cont.) Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Analysis Date		9/10/2005						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3	
BV2312.D	Soil Blank 091005-1	146375	1344531	784977	111	98	99	
BV2313.D	0-0165-0289/5x	128061	1208511	695817	111	100	95	
BV2314.D	0-0165-0290/5x	136760	1236157	693232	114	103	92	
BV2315.D	0-0165-0291/5x	123993	1199801	678050	114	101	94	
BV2316.D	0-0165-0291/5x ms	131392	1259812	707759	114	100	95	
BV2317.D	0-0165-0291/5x msd	116405	1136007	638360	114	100	93	
BV2318.D	0-0165-0292/5x	130587	1215842	695789	115	100	94	
BV2319.D	0-0165-0293/5x	129685	1192618	680766	117	101	93	
BV2320.D	0-0165-0294/5x	111836	1135053	627035	114	103	92	
BV2321.D	0-0165-0295/5x	122914	1175090	670621	114	100	95	
BV2322.D	0-0165-0296/5x	115120	1139226	650370	115	101	94	
BV2323.D	0-0165-0297/5x	129425	1168056	657895	116	101	90	
BV2324.D	0-0165-0298/5x	115322	1012393	594111	117	99	95	
BV2325.D	0-0165-0299/5x	129990	1190664	691734	117	100	92	
BV2326.D	0-0165-0300/5x	130123	1195227	705778	117	99	96	
Cal Check Area		BV2311.D	159642	1423880	863471			

Analysis Date		9/11/2005						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3	
BV2358.D	Soil Blank B 091105-3	144266	1319146	760787	103	102	97	
BV2359.D	0165-0318/5x	130284	1221546	707674	107	102	96	
BV2360.D	0165-0320/5x	127006	1140857	639936	109	104	91	
BV2361.D	0165-0321/5x	107080	1068212	573232	108	109	86	
BV2362.D	0165-0322/5x	126878	1156471	628794	110	107	85	
BV2363.D	0165-0323/5x	109073	1048034	600584	110	102	92	
BV2364.D	0165-0324/5x	116650	1122294	620047	109	107	90	
BV2365.D	0165-0325/5x	119627	1096366	636421	111	101	94	
BV2366.D	0165-0327/5x	107108	934098	559670	110	101	88	
BV2367.D	0165-0328/5x	131363	1228262	698616	101	103	97	
BV2368.D	0165-0331/5x	141048	1262819	627551	101	111	88	
BV2369.D	0165-0502/5x	164744	1537046	857034	98	103	101	
BV2370.D	0165-0503/5x	154470	1485211	814735	99	105	99	
BV2371.D	0165-0504/5x	150244	1440377	787553	100	106	97	
BV2372.D	0165-0401	146641	1356052	758725	102	102	98	
BV2373.D	0165-0402	142433	1290878	736898	105	102	99	
BV2374.D	0165-0403	121623	1171936	663089	105	103	96	
Cal Check Area		BV2357.D	140981	1351620	765242			

Analysis Date		9/13/2005						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3	
BV2415.D	Soil Blank B 091305-1	253058	1940024	1015032	103	101	97	
BV2417.D	0-0165-0404	214292	1621036	852251	109	101	91	
BV2418.D	0-0165-0204/5x	204185	1529449	736628	109	110	80	
BV2419.D	0-0165-0205/5x	202967	1556193	821020	111	102	89	
BV2420.D	0-0165-0223/5x	182056	1483457	771270	112	103	89	
BV2421.D	0-0165-0224/5x	196131	1508273	788598	113	102	89	
BV2422.D	0-0165-0303/5x duplicate	190573	1491227	795397	112	101	91	
BV2423.D	0-0165-0303/5x ms duplicate	159265	1418993	718983	110	104	87	
BV2424.D	0-0165-0303/5x msd duplicate	163091	1428037	720339	112	104	86	
Cal Check Area		BV2409.D	257175	1952950	1064130			

Surrogate QC Limits			
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene
			70-121
			84-138
			59-113

Table 2.1 (cont.) Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Analysis Date	9/14/2005						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
BV2437.D	Soil Blank B 091405-1	254888	1987053	1008152	102	104	95
BV2438.D	LCS BS 38	247743	1885946	997373	108	101	93
BV2439.D	0-0165-0226/5x duplicate	217100	1670876	866482	110	104	88
BV2440.D	0-0165-0226/5x ms	169864	1409964	713986	109	105	85
BV2441.D	0-0165-0226/5x msd	203808	1602282	816503	111	104	84
BV2442.D	0-0165-0272/5x	180278	1497131	781000	113	104	87
BV2443.D	0-0165-0273/5x	193948	1521332	810082	115	102	89
BV2444.D	0-0165-0274/5x	187818	1494537	798462	114	103	89
BV2445.D	0-0165-0319/5x	185288	1440166	723732	116	107	81
BV2446.D	0-0165-0319/5x ms	187238	1500444	758224	114	105	81
BV2447.D	0-0165-0319/5x msd	188411	1499711	765558	116	105	80
Cal Check Area	BV2431.D	257550	1964980	1056700			

Analysis Date	9/15/2005						
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
BV2460.D	Soil Blank B 091505-1	256777	2029080	1024851	94	105	99
BV2461.D	0-0165-0315/5x duplicate	258362	1909165	992048	100	103	99
BV2462.D	0-0165-0315/5x ms	245267	1860586	958660	100	103	97
BV2463.D	0-0165-0315/5x msd	246634	1860718	972177	102	101	97
BV2464.D	0-0165-0273/5x duplicate	218429	1722146	889894	102	104	95
BV2465.D	0-0165-0273/5x ms	237263	1809869	931344	102	102	95
BV2466.D	0-0165-0273/5x msd	227136	1769936	906638	103	103	94
BV2467.D	0-0165-0285/5x duplicate	224843	1676738	813539	104	110	87
BV2468.D	0-0165-0285/5x ms	223879	1713573	788243	102	112	81
BV2469.D	0-0165-0285/5x msd	227147	1707894	813412	103	110	84
BV2470.D	0-0165-0287/5x	141538	1136643	459390	99	130	64
BV2473.D	0-0165-0243/5x duplicate	218376	1673914	858256	104	104	93
BV2474.D	0-0165-0243/5x ms	219751	1738623	887109	102	104	93
BV2475.D	0-0165-0243/5x msd	223786	1759324	898083	103	104	92
Cal Check Area	BV2459.D	283009	2106090	1134310			

				Surrogate QC Limits	
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	70-121	
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	84-138	
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	59-113	

Table 2.2 Results of MS/MSD Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Sample No. : 0-0165-0206 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	QC Limits		
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.	RPD	RPD	% Rec.
1,1-Dichloroethene	U	294	294	297	317	101	108	7	22	59 - 172
Benzene	U	294	294	229	237	78	81	4	21	66 - 142
Trichloroethene	72.9	294	294	266	259	66	63	3	24	62 - 137
Toluene	U	294	294	220	237	75	81	8	21	59 - 139
Chlorobenzene	U	294	294	202	213	69	72	5	21	60 - 133

Sample No. : 0-0165-0326 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	QC Limits		
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.	RPD	RPD	% Rec.
1,1-Dichloroethene	U	309	309	395	403	128	131	2	22	59 - 172
Benzene	U	309	309	308	299	100	97	3	21	66 - 142
Trichloroethene	59.6	309	309	494	299	141	78	58 *	24	62 - 137
Toluene	U	309	309	315	309	102	100	2	21	59 - 139
Chlorobenzene	U	309	309	279	278	90	90	0	21	60 - 133

Sample No. : 0-0165-0501 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	QC Limits		
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.	RPD	RPD	% Rec.
1,1-Dichloroethene	U	301	301	380	353	126	117	7	22	59 - 172
Benzene	U	301	301	286	274	95	91	4	21	66 - 142
Trichloroethene	U	301	301	239	228	79	76	4	24	62 - 137
Toluene	U	301	301	285	268	94	89	6	21	59 - 139
Chlorobenzene	U	301	301	245	231	81	77	6	21	60 - 133

Sample No. : 0-0165-0215 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	QC Limits		
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.	RPD	RPD	% Rec.
1,1-Dichloroethene	U	316	316	258	254	81	80	1	22	59 - 172
Benzene	U	316	316	245	246	78	78	0	21	66 - 142
Trichloroethene	U	316	316	242	240	76	76	1	24	62 - 137
Toluene	U	316	316	253	251	80	79	0	21	59 - 139
Chlorobenzene	U	316	316	263	261	83	82	1	21	60 - 133

Table 2.2 (cont.) Results of MS/MSD Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Sample No. : 0-0165-0303 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	QC Limits		
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.	RPD	RPD	% Rec.
1,1-Dichloroethene	U	309	309	312	307	101	99	2	22	59 - 172
Benzene	U	309	309	287	288	93	93	0	21	66 - 142
Trichloroethene	9.01	309	309	273	274	85	86	1	24	62 - 137
Toluene	U	309	309	297	295	96	95	1	21	59 - 139
Chlorobenzene	U	309	309	280	282	91	91	0	21	60 - 133

Sample No. : 0-0165-0303 5X Duplicate Sample and MS/MSD

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	QC Limits		
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.	RPD	RPD	% Rec.
1,1-Dichloroethene	U	309	309	537	504	174	163	6	22	59 - 172
Benzene	U	309	309	311	298	101	97	4	21	66 - 142
Trichloroethene	18.1	309	309	295	280	90	85	6	24	62 - 137
Toluene	U	309	309	328	314	106	102	4	21	59 - 139
Chlorobenzene	U	309	309	302	291	98	94	4	21	60 - 133

Sample No. : 0-0165-0234 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	QC Limits		
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.	RPD	RPD	% Rec.
1,1-Dichloroethene	U	347	347	305	307	88	88	1	22	59 - 172
Benzene	U	347	347	290	303	83	87	4	21	66 - 142
Trichloroethene	U	347	347	289	300	83	86	4	24	62 - 137
Toluene	U	347	347	307	311	88	90	1	21	59 - 139
Chlorobenzene	U	347	347	300	308	86	89	3	21	60 - 133

Sample No. : 0-0165-0251 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	QC Limits		
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.	RPD	RPD	% Rec.
1,1-Dichloroethene	U	316	316	324	353	102	111	9	22	59 - 172
Benzene	U	316	316	266	275	84	87	4	21	66 - 142
Trichloroethene	U	316	316	254	268	80	85	5	24	62 - 137
Toluene	U	316	316	268	288	85	91	7	21	59 - 139
Chlorobenzene	U	316	316	263	278	83	88	6	21	60 - 133

Table 2.2 (cont.) Results of MS/MSD Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Sample No. : 0-0165-0291 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS Conc. (µg/kg)	MSD Conc. (µg/kg)	MS % Rec.	MSD % Rec.	RPD	QC Limits	
		Spike Added (µg/kg)	Spike Added (µg/kg)						RPD	% Rec.
1,1-Dichloroethene	U	301	301	324	310	108	103	4	22	59 - 172
Benzene	U	301	301	260	254	86	84	3	21	66 - 142
Trichloroethene	U	301	301	255	245	85	81	4	24	62 - 137
Toluene	U	301	301	271	262	90	87	3	21	59 - 139
Chlorobenzene	U	301	301	268	262	89	87	2	21	60 - 133

Sample No. : 0-0165-0226 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS Conc. (µg/kg)	MSD Conc. (µg/kg)	MS % Rec.	MSD % Rec.	RPD	QC Limits	
		Spike Added (µg/kg)	Spike Added (µg/kg)						RPD	% Rec.
1,1-Dichloroethene	U	325	325	255	329	79	101	25 *	22	59 - 172
Benzene	U	325	325	280	297	86	92	6	21	66 - 142
Trichloroethene	**	325	325	338	367	NC	NC	NC	24	62 - 137
Toluene	U	325	325	290	302	89	93	4	21	59 - 139
Chlorobenzene	U	325	325	265	276	82	85	4	21	60 - 133

\*\*Sample duplicate results indicate a homogeneity problem with the sample.

Sample No. : 0-0165-0315 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS Conc. (µg/kg)	MSD Conc. (µg/kg)	MS % Rec.	MSD % Rec.	RPD	QC Limits	
		Spike Added (µg/kg)	Spike Added (µg/kg)						RPD	% Rec.
1,1-Dichloroethene	U	316	316	284	288	90	91	2	22	59 - 172
Benzene	U	316	316	292	294	92	93	1	21	66 - 142
Trichloroethene	U ***	316	316	276	278	87	88	1	24	62 - 137
Toluene	U	316	316	305	300	96	95	1	21	59 - 139
Chlorobenzene	U	316	316	291	290	92	92	0	21	60 - 133

\*\*\* Duplicate result was U.

Sample No. : 0-0165-0319 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS Conc. (µg/kg)	MSD Conc. (µg/kg)	MS % Rec.	MSD % Rec.	RPD	QC Limits	
		Spike Added (µg/kg)	Spike Added (µg/kg)						RPD	% Rec.
1,1-Dichloroethene	U	294	294	361	232	123	79	44 *	22	59 - 172
Benzene	U	294	294	267	261	91	89	2	21	66 - 142
Trichloroethene	U	294	294	230	221	78	75	4	24	62 - 137
Toluene	U	294	294	267	258	91	88	4	21	59 - 139
Chlorobenzene	U	294	294	236	222	80	76	6	21	60 - 133

Table 2.2 (cont.) Results of MS/MSD Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Sample No. : 0-0165-0273 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	RPD	QC Limits	
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.		RPD	% Rec.
1,1-Dichloroethene	U	284	284	255	264	90	93	3	22	59 - 172
Benzene	U	284	284	258	257	91	90	0	21	66 - 142
Trichloroethene	11.6***	284	284	245	243	82	81	1	24	62 - 137
Toluene	U	284	284	267	265	94	93	1	21	59 - 139
Chlorobenzene	U	284	284	254	251	89	89	1	21	60 - 133

\*\*\* Duplicate result was U.

Sample No. : 0-0165-0285 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	RPD	QC Limits	
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.		RPD	% Rec.
1,1-Dichloroethene	U	291	291	211	233	73	80	10	22	59 - 172
Benzene	U	291	291	248	257	85	88	4	21	66 - 142
Trichloroethene	**	291	291	370	396	NC	NC	NC	24	62 - 137
Toluene	7.33	291	291	262	270	88	90	3	21	59 - 139
Chlorobenzene	U	291	291	215	226	74	78	5	21	60 - 133

\*\*Sample duplicate results indicate a homogeneity problem with the sample.

Sample No. : 0-0165-0243 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	RPD	QC Limits	
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.		RPD	% Rec.
1,1-Dichloroethene	U	284	284	255	264	90	93	3	22	59 - 172
Benzene	U	284	284	258	257	91	90	0	21	66 - 142
Trichloroethene	25.5***	284	284	245	243	74	78	1	24	62 - 137
Toluene	U	284	284	267	265	94	93	1	21	59 - 139
Chlorobenzene	U	284	284	254	251	89	89	1	21	60 - 133

\*\*\* Duplicate result was U.



Table 2.3 Results of LCS Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Sample ID: LCS AS 23

Compound Name	LCS	LCS Conc. (µg/Kg)	LCS % Rec.	QC Limits
	Spike Added (µg/Kg)			% Rec.
1,1-Dichloroethene	50.0	46.8	94	70 - 130
Benzene	50.0	40.0	80	70 - 130
Trichloroethene	50.0	37.9	76	70 - 130
Toluene	50.0	41.4	83	70 - 130
Chlorobenzene	50.0	39.6	79	70 - 130

Sample ID: LCS AS 24

Compound Name	LCS	LCS Conc. (µg/Kg)	LCS % Rec.	QC Limits
	Spike Added (µg/Kg)			% Rec.
1,1-Dichloroethene	50.0	59.6	119	70 - 130
Benzene	50.0	51.3	103	70 - 130
Trichloroethene	50.0	49.5	99	70 - 130
Toluene	50.0	54.2	108	70 - 130
Chlorobenzene	50.0	51.9	104	70 - 130

Sample ID: LCS AS 25

Compound Name	LCS	LCS Conc. (µg/Kg)	LCS % Rec.	QC Limits
	Spike Added (µg/Kg)			% Rec.
1,1-Dichloroethene	50.0	45.5	91	70 - 130
Benzene	50.0	37.3	75	70 - 130
Trichloroethene	50.0	35.5	71	70 - 130
Toluene	50.0	39.9	80	70 - 130
Chlorobenzene	50.0	38.7	77	70 - 130

Sample ID: LCS AS 26

Compound Name	LCS	LCS Conc. (µg/Kg)	LCS % Rec.	QC Limits
	Spike Added (µg/Kg)			% Rec.
1,1-Dichloroethene	50.0	47.5	95	70 - 130
Benzene	50.0	46.6	93	70 - 130
Trichloroethene	50.0	44.0	88	70 - 130
Toluene	50.0	48.6	97	70 - 130
Chlorobenzene	50.0	46.7	93	70 - 130

Table 2.3 (cont.) Results of LCS Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site

Sample ID: LCS BS 36A

Compound Name	LCS	LCS Conc. (µg/Kg)	LCS % Rec.	QC Limits
	Spike Added (µg/Kg)			% Rec.
1,1-Dichloroethene	50.0	39.5	79	70 - 130
Benzene	50.0	39.7	79	70 - 130
Trichloroethene	50.0	39.6	79	70 - 130
Toluene	50.0	41.6	83	70 - 130
Chlorobenzene	50.0	45.5	91	70 - 130

Sample ID: LCS BS 36B

Compound Name	LCS	LCS Conc. (µg/Kg)	LCS % Rec.	QC Limits
	Spike Added (µg/Kg)			% Rec.
1,1-Dichloroethene	50.0	52.9	106	70 - 130
Benzene	50.0	44.8	90	70 - 130
Trichloroethene	50.0	44.2	88	70 - 130
Toluene	50.0	45.8	92	70 - 130
Chlorobenzene	50.0	46.3	93	70 - 130

Sample ID: LCS BS 38

Compound Name	LCS	LCS Conc. (µg/Kg)	LCS % Rec.	QC Limits
	Spike Added (µg/Kg)			% Rec.
1,1-Dichloroethene	50.0	55.3	111	70 - 130
Benzene	50.0	46.9	94	70 - 130
Trichloroethene	50.0	43.3	87	70 - 130
Toluene	50.0	46.6	93	70 - 130
Chlorobenzene	50.0	45.2	90	70 - 130

Table 2.4 Results of the Duplicate Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Sample # :	0-0165-0243		0-0165-0243 (Duplicate Analysis)		
Location :	LV-N51(0-2)		LV-N51(0-2)		
% Solid :	74		74		
Analyte	Result	RL	Result	RL	
Unit :	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	33.8	U	J	33.8
cis-1,2-Dichloroethene	U	33.8	U	J	33.8
Trichloroethene	25.5	J 33.8	U	J	33.8
Toluene	U	33.8	U	J	33.8
Tetrachloroethene	U	33.8	U	J	33.8
p&m-Xylene	U	67.6	U	J	67.6
o-Xylene	U	33.8	U	J	33.8

Sample # :	0-0165-0285		0-0165-0285 (Duplicate Analysis)		
Location :	LV-N67(0-2)		LV-N67(0-2)		
% Solid :	86		86		
Analyte	Result	RL	Result	RL	
Unit :	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	J 29.1	U	J	29.1
cis-1,2-Dichloroethene	U	J 29.1	U	J	29.1
Trichloroethene	319	J 29.1	128	J	29.1
Toluene	U	J 29.1	7.33	J	29.1
Tetrachloroethene	U	J 29.1	U	J	29.1
p&m-Xylene	U	J 58.1	U	J	58.1
o-Xylene	U	J 29.1	U	J	29.1

Sample # :	0-0165-0315		0-0165-0315 (Duplicate Analysis)		
Location :	LV-N77(2-4)		LV-N77(2-4)		
% Solid :	79		79		
Analyte	Result	RL	Result	RL	
Unit :	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	J 31.6	U	J	31.6
cis-1,2-Dichloroethene	U	J 31.6	U	J	31.6
Trichloroethene	U	J 31.6	U	J	31.6
Toluene	U	J 31.6	U	J	31.6
Tetrachloroethene	U	J 31.6	U	J	31.6
p&m-Xylene	U	J 63.3	U	J	63.3
o-Xylene	U	J 31.6	U	J	31.6

Table 2.4 (cont.) Results of the Duplicate Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Sample # :	0-0165-0303		0-0165-0303 (Duplicate Analysis)	
Location :	LV-BLD1(2-4)		LV-BLD1(2-4)	
% Solid :	81		81	
Analyte	Result	RL	Result	RL
Unit :	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	30.9	U	30.9
cis-1,2-Dichloroethene	U	30.9	U	30.9
Trichloroethene	9.01 J	30.9	18.1 J	30.9
Toluene	U	30.9	U	30.9
Tetrachloroethene	U	30.9	U	30.9
p&m-Xylene	U	61.7	U	61.7
o-Xylene	U	30.9	U	30.9

Sample # :	0-0165-0226		0-0165-0226 (Duplicate Analysis)	
Location :	LV-N46(2-4)		LV-N46(2-4)	
% Solid :	77		77	
Analyte	Result	RL	Result	RL
Unit :	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	32.5	U	32.5
cis-1,2-Dichloroethene	U	32.5	U	32.5
Trichloroethene	239	32.5	95.8	32.5
Toluene	U	32.5	U	32.5
Tetrachloroethene	U	32.5	U	32.5
p&m-Xylene	U	64.9	U	64.9
o-Xylene	U	32.5	U	32.5

Sample # :	0-0165-0273		0-0165-0273 (Duplicate Analysis)	
Location :	LV-N63(6-8)		LV-N63(6-8)	
% Solid :	88		88	
Analyte	Result	RL	Result	RL
Unit :	µg/kg	µg/kg	µg/kg	µg/kg
trans-1,2-Dichloroethene	U	28.4	U J	28.4
cis-1,2-Dichloroethene	U	28.4	U J	28.4
Trichloroethene	11.6 J	28.4	U J	28.4
Toluene	U	28.4	U J	28.4
Tetrachloroethene	U	28.4	U J	28.4
p&m-Xylene	U	56.8	U J	56.8
o-Xylene	U	28.4	U J	28.4

**Soroka, Joseph M**

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**From:** Sklaney, Christopher L  
**Sent:** Monday, October 17, 2005 4:00 PM  
**To:** Soroka, Joseph M  
**Subject:** Little Valley, Data Validation

Joe,

The WAM for the Little Valley site (0-165) has requested that validation be conducted for all the VOC data packages. Please limit the validation to the following compounds:

TCE  
PCE  
cis-1,2-dichloroethene  
trans-1,2-dichloroethene  
toluene  
total xylenes

I will be out of the office from Tuesday through Thursday, but can be reached at (570) 693-2883 with any questions. I will be in the office today until approximately 7 pm.

Thank you,  
Chris

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Christopher Sklaney  
Geologist  
Lockheed Martin/REAC  
2890 Woodbridge Avenue  
Edison, NJ 08837-3679  
732-321-4265 (Phone)  
32-494-4021 (Fax)

## Bernick, Mark B

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**From:** Sklaney, Christopher L  
**Sent:** Monday, November 14, 2005 4:46 PM  
**To:** Bernick, Mark B  
**Subject:** RE: Verifying the Little Valley VOC analytical request from the Work Assignment Manager

Mark,

You have accurately summarized what was conducted on many of the samples that were analyzed for this project, most notably those samples collected in September 2005. Many or all of the samples analyzed in August 2005 were analyzed without an initial dilution, although I don't know the number that meet this criterion.

I apologize for not getting back to you sooner, as I've been out for the past few weeks.

Thanks,  
Chris

---

Christopher Sklaney  
Geologist  
Lockheed Martin/REAC  
2890 Woodbridge Avenue  
Edison, NJ 08837-3679  
732-321-4265 (Phone)  
732-494-4021 (Fax)

-----Original Message-----

**From:** Bernick, Mark B  
**Sent:** Monday, November 07, 2005 5:14 PM  
**To:** Sklaney, Christopher L  
**Cc:** Soroka, Joseph M  
**Subject:** Verifying the Little Valley VOC analytical request from the Work Assignment Manager

Hi Christopher,

I am currently validating the Little Valley VOC Soil analysis. I wanted to confirm that, as per the Work Assignment Manager's request, that many of the samples were analyzed only at a 1:5 dilution in order to accommodate the site trichloroethene action level of 600 µg/kg. Therefore, the target compound reporting limits (RL) for these samples will be elevated by a factor of 5 (25 µg/kg RL for all targets except acetone at 100% solids).

Additionally, if the trichloroethene result exceeds the linear calibration range at the 1:5 dilution, and the site trichloroethene action level of 600 µg/kg, then no further dilution is to be performed, and the trichloroethene results are to be reported as estimated due to exceeding the linear calibration range and flagged "E".

Thank you,  
Mark

CHAIN OF CUSTODY RECORD

No: 0-0165-090705-0003

Site #: 0-0165  
 Contact Name: Chris Skalaney  
 Contact Phone: 732-321-4200

Cooler #:  
 Lab: REAC  
 Lab Phone: 732-321-4200

EPA Contract # EP-C-04-032

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
5506	0-0165-0201	LV-N35(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5507	0-0165-0202	LV-N35(3-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5508	0-0165-0203	LV-N35(3-4)D	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5509	0-0165-0204	LV-N35(4-5)	<del>VOC</del> VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5510	0-0165-0205	LV-N35(7-8)	<del>VOC</del> VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5511	0-0165-0206	LV-N38(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	Y
5512	0-0165-0207	LV-N38(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5513	0-0165-0208	LV-N39(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5514	0-0165-0209	LV-N39(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5515	0-0165-0210	LV-N02(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5516	0-0165-0211	LV-N02(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5517	0-0165-0212	LV-N03(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5518	0-0165-0213	LV-N03(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5519	0-0165-0214	LV-N03(2-4)D	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5520	0-0165-0215	LV-N04(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5521	0-0165-0216	LV-N04(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	Y
5522	0-0165-0217	LV-N05(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5523	0-0165-0218	LV-N05(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5524	0-0165-0219	LV-N07(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5525	0-0165-0220	LV-N07(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5526	0-0165-0221	LV-N11(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5527	0-0165-0222	LV-N11(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5528	0-0165-0223	LV-N11(4-6)	<del>VOC</del> VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N

028

SAMPLES TRANSFERRED FROM  
 CHAIN OF CUSTODY #

Received 6/2/05

Items/Reason	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All Analyses	07/07/05	Chris Skalaney	9/18/05	8:15	2016cc Analysis	Chris Skalaney	9/18/05	Chris Skalaney	9/18/05	10:40
Spec Analysis	9/12/05	Chris Skalaney	9/12/05	10:25						

0165-DAR-0020306

CHAIN OF CUSTODY RECORD

No: 0-0165-090705-0003

Site #: 0-0165  
 Contact Name: Chris Skalaney  
 Contact Phone: 732-321-4200

Cooler #:  
 Lab REAC  
 Lab Phone: 732-321-4200

EPA Contract #: EP-C-04-032

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
5529	0-0165-0224	LV-N11(6-8)	Archive	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5530	0-0165-0225	LV-N46(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5531	0-0165-0226	LV-N46(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	Y
5532	0-0165-0227	LV-N46(2-4)D	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5533	0-0165-0228	LV-N47(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5534	0-0165-0229	LV-N47(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5535	0-0165-0230	LV-N48(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5536	0-0165-0231	LV-N48(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5537	0-0165-0232	LV-N48(4-6)	Archive	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5538	0-0165-0233	LV-N48(6-8)	Archive	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5539	0-0165-0234	LV-N49(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	Y
5540	0-0165-0235	LV-N49(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5541	0-0165-0236	LV-N49(4-6)	Archive	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5542	0-0165-0237	LV-N49(6-8)	Archive	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5543	0-0165-0238	LV-N50(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5544	0-0165-0239	LV-N50(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5545	0-0165-0240	LV-N50(2-4)D	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5546	0-0165-0241	LV-N50(4-6)	Archive	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5547	0-0165-0242	LV-N50(6-8)	Archive	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5548	0-0165-0243	LV-N51(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	Y
5549	0-0165-0244	LV-N51(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5550	0-0165-0245	LV-N51(2-4)D	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5551	0-0165-0246	LV-N51(4-6)	Archive	Soil	9/7/2005	1	2 oz glass jar	4 C	N

029

SAMPLES TRANSFERRED FROM  
 CHAIN OF CUSTODY #

Received 6:00 AM

Special Instructions: AC: mro

Items/Reason	Relinquished by	Date	Received by	Date	Time	Received by	Date	Time
AN/Analysis	Carl Sg	9/7/05	Jerry Motter	9/8/05	8:15	Jerry Motter	9/8/05	10:40
VOC Analysis	Jerry Motter	9/12/05	Jerry Motter	9/18/05	15:35	Jerry Motter	9/18/05	15:35

IR-001



CHAIN OF CUSTODY RECORD

No: 0-0165-090705-0003

Site #: 0-0165  
 Contact Name: Chris Skalaney  
 Contact Phone: 732-321-4200

Cooler #:  
 Lab: REAC  
 Lab Phone: 732-321-4200

EPA Contract #: EP-C-04-032

Lab #	Sample #	Location	Analytes	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
5575	0-0165-0270	LV-N63(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5576	0-0165-0271	LV-N63(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5577	0-0165-0272	LV-N63(4-6)	Archive VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5578	0-0165-0273	LV-N63(6-8)	Archive VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	Y
5579	0-0165-0274	LV-N63(6-8)D	Archive VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5580	0-0165-0275	LV-N64(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5581	0-0165-0276	LV-N64(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5582	0-0165-0277	LV-N64(4-6)	Archive	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5583	0-0165-0278	LV-N64(6-8)	Archive	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5584	0-0165-0401	FB01	VOC	Lab Sand	9/7/2005	1	40ml septum vial	4 C	N
5585	0-0165-0402	TB01	VOC	Lab Sand	9/7/2005	1	40ml septum vial	4 C	N

030

LLS

SAMPLES TRANSFERRED FROM  
 CHAIN OF CUSTODY #

Received 6:00 PM

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
All Analysis	CLP 88	9/7/05	Jerry Harty	9/8/05	8:15	6 VOC Analysis	Jerry Harty	9/8/05	Jerry Harty	9/8/05	8:00
3 VOC Analysis	Jerry Harty	9/14/05	Jerry Harty	9/14/05	9:10						

0165-DAR-000006

CHAIN OF CUSTODY RECORD

No: 0-0165-090705-0003

Site #: 0-0165  
 Contact Name: Chris Skalaney  
 Contact Phone: 732-321-4200

Cooler #:  
 Lab: REAC  
 Lab Phone: 732-321-4200

EPA Contract #: EP-C-04-032

Lab #	Sample #	Location	Analytes	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
5552	0-0165-0247	LV-N51(6-8)	Archive	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5553	0-0165-0248	LV-N41(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5554	0-0165-0249	LV-N41(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5555	0-0165-0250	LV-N55(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5556	0-0165-0251	LV-N55(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	Y
5557	0-0165-0252	LV-N56(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5558	0-0165-0253	LV-N56(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5559	0-0165-0254	LV-N56(2-4)D	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5560	0-0165-0255	LV-N54(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5561	0-0165-0256	LV-N54(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5562	0-0165-0257	LV-N55(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5563	0-0165-0258	LV-N55(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5564	0-0165-0259	LV-N61(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5565	0-0165-0260	LV-N61(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5566	0-0165-0261	LV-N61(4-6)	Archive	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5567	0-0165-0262	LV-N61(4-6)D	Archive	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5568	0-0165-0263	LV-N61(6-8)	Archive	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5569	0-0165-0264	LV-N60(0-2)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	Y
5570	0-0165-0265	LV-N60(2-4)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5571	0-0165-0266	LV-N60(4-6)	Archive	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5572	0-0165-0267	LV-N60(6-8)	Archive	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5573	0-0165-0268	LV-N43(4-6)	VOC	Soil	9/7/2005	1	2 oz glass jar	4 C	N
5574	0-0165-0269	LV-N43(6-8)	Archive	Soil	9/7/2005	1	2 oz glass jar	4 C	N

031

SAMPLES TRANSFERRED FROM  
 CHAIN OF CUSTODY #

Received 6:00 PM

8C: and

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
A11/Analysis	Chris Skalaney	9/7/05	Jerry M. ...	9/18/05	8:15	6 VOC Analysis	Jerry M. ...	9/18/05	Jerry M. ...	9/18/05	10:40

0165-DAR-020306



CHAIN OF CUSTODY RECORD

No: 0-0165-090805-0004

Site #: 0-0165  
 Contact Name: Chris Skalaney  
 Contact Phone: 732-321-4200

Cooler #:  
 Lab. REAC  
 Lab Phone: 732-321-4200

EPA Contract # EP-C-04-032

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
5601	0-0165-0302	LV-BLD1(0-2)	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5610	0-0165-0303	LV-BLD1(2-4)	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	Y
5611	0-0165-0304	LV-BLD2(0-2)	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5612	0-0165-0305	LV-BLD2(0-2)D	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5613	0-0165-0306	LV-BLD2(2-4)	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5614	0-0165-0307	LV-N75(0-2)	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5615	0-0165-0308	LV-N75(0-2)D	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5616	0-0165-0309	LV-N75(2-4)	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5617	0-0165-0310	LV-N75(4-6)	Archive	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5618	0-0165-0311	LV-N75(6-8)	Archive	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5619	0-0165-0312	LV-N76(0-2)	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5620	0-0165-0313	LV-N76(2-4)	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5621	0-0165-0314	LV-N77(0-2)	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5622	0-0165-0315	LV-N77(2-4)	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	Y
5623	0-0165-0316	LV-N78(0-2)	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5624	0-0165-0317	LV-N78(2-4)	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5625	0-0165-0318	LV-N78(2-4)D	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5626	0-0165-0319	LV-N79(0-2)	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	Y
5627	0-0165-0320	LV-N79(2-4)	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5628	0-0165-0321	LV-N79(2-4)D	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5629	0-0165-0322	LV-N80(0-2)	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5630	0-0165-0323	LV-N80(2-4)	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5631	0-0165-0324	LV-N81(0-2)	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N

033

SAMPLES TRANSFERRED FROM  
 CHAIN OF CUSTODY #

Received 40 C JM

Items/Reason	Date	Received by	Relinquished by	Date	Received by	Date	Time
All/Analysis	09/19/05	Chris Skalaney	Jerry Patten	9/19/05	Jerry Patten	9/19/05	07:15

CHAIN OF CUSTODY RECORD

No: 0-0165-090805-0004

Site #: 0-0165  
 Contact Name: Chris Skalaney  
 Contact Phone: 732-321-4200

Cooler #:  
 Lab: REAC  
 Lab Phone: 732-321-4200

EPA Contract #: EP-C-04-032

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
5632	0-0165-0325	LV-NB1(2-4)	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5633	0-0165-0326	LV-NB2(0-2)	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	Y
5634	0-0165-0327	LV-NB2(2-4)	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5635	0-0165-0328	LV-NB2(2-4)D	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5636	0-0165-0329	LV-NB2(4-6)	Archive	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5637	0-0165-0330	LV-NB2(6-8)	Archive	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5638	0-0165-0331	LV-NB2(CB)	VOC	Soil	9/8/2005	1	2 oz glass jar	4 C	N
5639	0-0165-0403	FB02	VOC	Lab Sand	9/8/2005	1	40ml septum vial	4 C	N
5640	0-0165-0404	TB02	VOC	Lab Sand	9/8/2005	1	40ml septum vial	4 C	N
5641	0-0165-0405	FB03	VOC	Lab Sand	9/8/2005	1	40ml septum vial	4 C	N
5642	0-0165-0408	TB03	VOC	Lab Sand	9/8/2005	1	40ml septum vial	4 C	N
5643	0-0165-0501	LV-SD1	VOC	Sediment	9/8/2005	1	4 oz glass jar	4 C	Y
5644	0-0165-0502	LV-SD2	VOC	Sediment	9/8/2005	1	4 oz glass jar	4 C	N
5645	0-0165-0503	LV-SD2D	VOC	Sediment	9/8/2005	1	4 oz glass jar	4 C	N
5646	0-0165-0504	LV-SD3	VOC	Sediment	9/8/2005	1	4 oz glass jar	4 C	N

034

*Chris Skalaney 9/8/05*

SAMPLES TRANSFERRED FROM  
 CHAIN OF CUSTODY #

*Received 4°C JFM*

Special Instructions: *QC: MW*

Item/Reason	Relinquished by	Date	Received by	Date	Time
All Analysis	<i>Chris Skalaney</i>	<i>9/8/05</i>	<i>Jerry Miller</i>	<i>9/9/05</i>	<i>9:10</i>
13/100 Data Analysis	<i>Jerry Miller</i>	<i>9/9/05</i>	<i>J. Kelly</i>	<i>9/9/05</i>	<i>9:10</i>

0165-DAR-020306

APPENDIX C

Soil Analytical Report  
Volatile Organic Compounds  
Samples Collected in November 2005  
Little Valley Superfund Site  
Cattaraugus Cutlery Area  
Trip Report  
June 2006

Lockheed Martin Technology Services  
Environmental Services REAC  
2890 Woodbridge Avenue Building 209 Annex  
Edison, NJ 08837-3679  
Telephone 732-321-4200 Facsimile 732-494-4021

LOCKHEED MARTIN



DATE: 21 February 2006  
TO: R. Singhvi EPA/ERTC  
FROM: V. Kansal Analytical Section Leader *V. Kansal*  
SUBJECT: DOCUMENT TRANSMITTAL UNDER WORK ASSIGNMENT #0-165

Attached please find the following document prepared under this work assignment:

Little Valley Superfund Site - Analytical Report

Central File WA #0-165	(w/attachment)
J. Catanzarita	Work Assignment Manager (w/attachment)
C. Sklaney	Task Leader (w/attachment)
J. Soroka	Data Validation and Report Writing Group Leader (w/o attachment)

ANALYTICAL REPORT

Prepared by  
LOCKHEED MARTIN, Inc.

Little Valley Superfund Site  
Little Valley, NY

February 2006

EPA Work Assignment No.0-165  
LOCKHEED MARTIN Work Order EAC00165  
EPA Contract No. EP-C-04-032

Submitted to  
J. Catanzarita  
EPA-ERTC

*C. Sklaney* for C.S. 2/16/06  
C. Sklaney Date  
Task Leader

Analysis by:  
REAC

*V. Kansal* 2/21/06  
V. Kansal Date  
Analytical Section Leader

Prepared by:  
M. Bernick

*D. Miller* 2/21/06  
D. Miller Date  
Program Manager

Reviewed by:  
J. Soroka



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Communications  
Chains of Custody

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Appendix will be furnished on request.

## Introduction

REAC in response to WA0-165, provided analytical support for environmental samples collected from Little Valley Superfund Site, located in Little Valley, NY as described in the following table. The support also included QA/QC, data review, and preparation of an analytical report containing a summary of the analytical methods, the results, and the QA/QC results.

The samples were treated with procedures consistent with those specified in SOP #1008.

COC #	Number of Samples	Sampling Date	Date Received	Matrix	Analysis (Method)	Lab	Data Package
0-0165-113005-0005	34	11/30/05	12/1/05	Soil	VOC (SOP 1807)	REAC	P494
0-0165-120105-0006	33	12/1/05	12/2/05				

## Case Narrative

Values less than 25% of the reporting limits for organic analyses have not been reported.

### VOC in Soil Package P 494

Sample 0-0165-0622 was received in a cracked glass jar. All results for this sample are estimated

As per the work plan, all samples were initially analyzed at a 5X dilution in order to accommodate the site action level of 700 µg/kg for trichloroethene except for the method, field and trip blanks.

The trichloroethene concentrations exceeded the linear calibration range and are estimated for the following samples: 0-0165-0601, 0-0165-0641, 0-0165-0647 and 0-0165-0656.

The toluene concentration exceeded the linear calibration range and is estimated for sample 0-0165-0629.

The naphthalene concentration exceeded the linear calibration range and is estimated for sample 0-0165-0641.

Sample 0-0165-0633, the trip blank, contained 2.05 µg/kg o-xylene, 1.37 µg/kg n-propylbenzene, 2.13 µg/kg 1,3,5-trimethylbenzene and 5.23 µg/kg 1,2,4-trimethylbenzene. The 1,2,4-trimethylbenzene result for sample 0-0165-0629 is reported not detected because the sample concentration is less than five times the blank concentration.

Sample 0-0165-0647 (5X) had 2 surrogate percent recoveries exceed the QC limits; all results are estimated.

Internal standard chlorobenzene-d<sub>6</sub> areas were less than the QC limits for samples 0-0165-0647 (5X) and 0-0165-0658 (5X). The 4-methyl-2-pentanone, toluene, 2-hexanone, tetrachloroethene, chlorobenzene, 1,1,1,2-tetrachloroethane, ethylbenzene, p & m-xylene, o-xylene, styrene, isopropylbenzene, 1,1,2,2-tetrachloroethane, 1,2,3-trichloropropane, n-propylbenzene, bromobenzene, 1,3,5-trimethylbenzene, 2-chlorotoluene, 4-chlorotoluene, tert-butylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, p-isopropyltoluene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, n-butylbenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, 1,2,4-trichlorobenzene, hexachlorobutadiene, naphthalene and 1,2,3-trichlorobenzene results are rejected.

The reporting limit was less than four times the y-intercept for the 1,2-dibromo-3-chloropropane regression equation. The reporting limits are based on four times the y-intercept of the 1,2-dibromo-3-chloropropane regression equation for soil blank B 120705-1, soil blank B 120805-1, samples 0-0165-0633, 0-0165-0635, 0-0165-0643, 0-0165-0644, 0-0165-0645, 0-0165-0647 through 0-0165-0651, 0-0165-0653 through 0-0165-0656, 0-0165-0658 through 0-0165-0662 and 0-0165-0667.

The reporting limit was less than four times the y-intercept for the 4-methyl-2-pentanone, 2-hexanone and 1,2-dibromo-3-chloropropane regression equations. The reporting limits for these compounds are based on four times the y-intercept of the regression equations for soil blank B 121205-1, soil blank B 121305-1, soil blank B 121305-2, samples 0-0165-0646, 0-0165-0652, 0-0165-0657 and 0-0165-0663 through 0-0165-0666.

## Summary of Abbreviations

C	Centigrade				
cont.	Continued				
D	(Surrogate Table) value is from a diluted sample and was not calculated (Result Table) result was obtained from a diluted sample				
Dioxin	Polychlorinated Dibenzo-p-dioxins (PCDD) and Dibenzofurans (PCDF)				
CLP	Contract Laboratory Procedure				
COC	Chain of Custody				
Conc	Concentration				
CRDL	Contract Required Detection Limit				
CRQL	Contract Required Quantitation Limit				
DL	Detection Limit				
E	Value is greater than the highest linear standard and is estimated				
EMPC	Estimated maximum possible concentration				
ICAP	Inductively Coupled Argon Plasma				
IS	Internal Standard				
J	Value is estimated				
LCS	Laboratory Control Sample				
LCSD	Laboratory Control Sample Duplicate				
MDL	Method Detection Limit				
MS (BS)	Matrix Spike (Blank Spike)				
MSD (BSD)	Matrix Spike Duplicate (Blank Spike Duplicate)				
MW	Molecular Weight				
NA	either Not Applicable or Not Available				
NC	Not Calculated				
NR	Not Requested				
NS	Not Spiked				
% D	Percent Difference				
% Rec.	Percent Recovery				
PAL	Permissible Acceptance Limit				
ppbv	parts per billion by volume				
PQL	Practical Quantitation Limit				
QA/QC	Quality Assurance/Quality Control				
QL	Quantitation Limit				
RL	Reporting Limit				
RPD	Relative Percent Difference				
RSD	Relative Standard Deviation				
SIM	Selected Ion Monitoring				
Surr	Surrogate				
TCLP	Toxic Characteristics Leaching Procedure				
U	Not detected				
m <sup>3</sup>	cubic meter	kg	kilogram	µg	microgram
L	liter	g	gram	pg	picogram
mL	milliliter	mg	milligram	ng	nanogram
µL	microliter	µg/m <sup>3</sup>	microgram/cubic meter		
*	Value exceeds the acceptable QC limit				

Revision 8/03/05

Table 1.1 Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method REAC SOP 1807

Page 1 of 21

Sample # :	Soil Blank B 120105-1		0-0165-0601		0-0165-0604		0-0165-0602		0-0165-0603	
	100		79		82		73		78	
Location :			LV-N84(0-2)		LV-N85(2-4)		LV-N84(2-4)		LV-N85(0-2)	
% Solid :	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL
Compound	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dichlorodifluoromethane	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Chloromethane	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Vinyl Chloride	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Bromomethane	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Chloroethane	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Trichlorofluoromethane	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Acetone	U	20.0	U	127	U	122	U	137	U	128
1,1-Dichloroethene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Methylene Chloride	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Carbon Disulfide	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Methyl-t-butyl Ether	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
trans-1,2-Dichloroethene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
1,1-Dichloroethane	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
2-Butanone	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
2,2-Dichloropropane	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
cis-1,2-Dichloroethene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Chloroform	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
1,1-Dichloropropene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
1,2-Dichloroethane	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
1,1,1-Trichloroethane	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Carbon Tetrachloride	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Benzene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Trichloroethene	U	5.00	1590 E	31.6	U	30.5	17.3 J	34.2	384	32.1
1,2-Dichloropropane	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Bromodichloromethane	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Dibromomethane	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
cis-1,3-Dichloropropene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
trans-1,3-Dichloropropene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
1,1,2-Trichloroethane	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
1,3-Dichloropropane	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Dibromochloromethane	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
1,2-Dibromoethane	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Bromoform	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
4-Methyl-2-pentanone	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Toluene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
2-Hexanone	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Tetrachloroethene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Chlorobenzene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
1,1,1,2-Tetrachloroethane	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Ethylbenzene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
p&m-Xylene	U	10.0	U	63.3	U	61.0	U	68.5	U	64.1
o-Xylene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Styrene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Isopropylbenzene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
1,1,2,2-Tetrachloroethane	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
1,2,3-Trichloropropane	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
n-Propylbenzene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Bromobenzene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
1,3,5-Trimethylbenzene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
2-Chlorotoluene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
4-Chlorotoluene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
tert-Butylbenzene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
1,2,4-Tnmethylbenzene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
sec-Butylbenzene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
p-Isopropyltoluene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
1,3-Dichlorobenzene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
1,4-Dichlorobenzene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
n-Butylbenzene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
1,2-Dichlorobenzene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
1,2-Dibromo-3-chloropropane	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
1,2,4-Trichlorobenzene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Hexachlorobutadiene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
Naphthalene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1
1,2,3-Trichlorobenzene	U	5.00	U	31.6	U	30.5	U	34.2	U	32.1

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

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Sample # :	Soil Blank B 120205-1		0-0165-0605		0-0165-0606		0-0165-0607	
Location :			LV-N01(0-2)		LV-N01(2-4)		LV-N44(0-2)	
% Solid :	100	RL	78	RL	69	RL	80	RL
Compound	Conc.	ug/kg	Conc.	ug/kg	Conc.	ug/kg	Conc.	ug/kg
Dichlorodifluoromethane	U	5.00	U	32.1	U	36.2	U	31.3
Chloromethane	U	5.00	U	32.1	U	36.2	U	31.3
Vinyl Chloride	U	5.00	U	32.1	U	36.2	U	31.3
Bromomethane	U	5.00	U	32.1	U	36.2	U	31.3
Chloroethane	U	5.00	U	32.1	U	36.2	U	31.3
Trichlorofluoromethane	U	5.00	U	32.1	U	36.2	U	31.3
Acetone	U	20.0	U	128	U	145	U	125
1,1-Dichloroethene	U	5.00	U	32.1	U	36.2	U	31.3
Methylene Chloride	U	5.00	U	32.1	U	36.2	U	31.3
Carbon Disulfide	U	5.00	U	32.1	U	36.2	U	31.3
Methyl-t-butyl Ether	U	5.00	U	32.1	U	36.2	U	31.3
trans-1,2-Dichloroethene	U	5.00	U	32.1	U	36.2	U	31.3
1,1-Dichloroethane	U	5.00	U	32.1	U	36.2	U	31.3
2-Butanone	U	5.00	U	32.1	U	36.2	U	31.3
2,2-Dichloropropane	U	5.00	U	32.1	U	36.2	U	31.3
cis-1,2-Dichloroethene	U	5.00	U	32.1	U	36.2	U	31.3
Chloroform	U	5.00	U	32.1	U	36.2	U	31.3
1,1-Dichloropropene	U	5.00	U	32.1	U	36.2	U	31.3
1,2-Dichloroethane	U	5.00	U	32.1	U	36.2	U	31.3
1,1,1-Trichloroethane	U	5.00	U	32.1	U	36.2	U	31.3
Carbon Tetrachloride	U	5.00	U	32.1	U	36.2	U	31.3
Benzene	U	5.00	U	32.1	U	36.2	U	31.3
Trichloroethene	U	5.00	120	32.1	16.6	36.2	103	31.3
1,2-Dichloropropane	U	5.00	U	32.1	U	36.2	U	31.3
Bromodichloromethane	U	5.00	U	32.1	U	36.2	U	31.3
Dibromomethane	U	5.00	U	32.1	U	36.2	U	31.3
cis-1,3-Dichloropropene	U	5.00	U	32.1	U	36.2	U	31.3
trans-1,3-Dichloropropene	U	5.00	U	32.1	U	36.2	U	31.3
1,1,2-Trichloroethane	U	5.00	U	32.1	U	36.2	U	31.3
1,3-Dichloropropane	U	5.00	U	32.1	U	36.2	U	31.3
Dibromochloromethane	U	5.00	U	32.1	U	36.2	U	31.3
1,2-Dibromoethane	U	5.00	U	32.1	U	36.2	U	31.3
Bromofom	U	5.00	U	32.1	U	36.2	U	31.3
4-Methyl-2-pentanone	U	5.00	U	32.1	U	36.2	U	31.3
Toluene	U	5.00	U	32.1	U	36.2	U	31.3
2-Hexanone	U	5.00	U	32.1	U	36.2	U	31.3
Tetrachloroethene	U	5.00	U	32.1	U	36.2	U	31.3
Chlorobenzene	U	5.00	U	32.1	U	36.2	U	31.3
1,1,1,2-Tetrachloroethane	U	5.00	U	32.1	U	36.2	U	31.3
Ethylbenzene	U	5.00	U	32.1	U	36.2	U	31.3
p&m-Xylene	U	10.0	U	64.1	U	72.5	U	62.5
o-Xylene	U	5.00	U	32.1	U	36.2	U	31.3
Styrene	U	5.00	U	32.1	U	36.2	U	31.3
Isopropylbenzene	U	5.00	U	32.1	U	36.2	U	31.3
1,1,2,2-Tetrachloroethane	U	5.00	U	32.1	U	36.2	U	31.3
1,2,3-Trichloropropane	U	5.00	U	32.1	U	36.2	U	31.3
n-Propylbenzene	U	5.00	U	32.1	U	36.2	U	31.3
Bromobenzene	U	5.00	U	32.1	U	36.2	U	31.3
1,3,5-Trimethylbenzene	U	5.00	U	32.1	U	36.2	U	31.3
2-Chlorotoluene	U	5.00	U	32.1	U	36.2	U	31.3
4-Chlorotoluene	U	5.00	U	32.1	U	36.2	U	31.3
tert-Butylbenzene	U	5.00	U	32.1	U	36.2	U	31.3
1,2,4-Trimethylbenzene	U	5.00	U	32.1	U	36.2	U	31.3
sec-Butylbenzene	U	5.00	U	32.1	U	36.2	U	31.3
p-Isopropyltoluene	U	5.00	U	32.1	U	36.2	U	31.3
1,3-Dichlorobenzene	U	5.00	U	32.1	U	36.2	U	31.3
1,4-Dichlorobenzene	U	5.00	U	32.1	U	36.2	U	31.3
n-Butylbenzene	U	5.00	U	32.1	U	36.2	U	31.3
1,2-Dichlorobenzene	U	5.00	U	32.1	U	36.2	U	31.3
1,2-Dibromo-3-chloropropane	U	5.00	U	32.1	U	36.2	U	31.3
1,2,4-Trichlorobenzene	U	5.00	U	32.1	U	36.2	U	31.3
Hexachlorobutadiene	U	5.00	U	32.1	U	36.2	U	31.3
Naphthalene	U	5.00	U	32.1	U	36.2	U	31.3
1,2,3-Trichlorobenzene	U	5.00	U	32.1	U	36.2	U	31.3

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

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Sample # Location % Solid	Soil Blank B 120305-2		0-0165-0608 LV-N44(0-2)D		0-0165-0609 LV-N44(2-4)		0-0165-0610 LV-N83(0-2)		0-0165-0612 LV-N86(0-2)	
	100 Conc. ug/kg	RL ug/kg	82 Conc. ug/kg	RL ug/kg	78 Conc. ug/kg	RL ug/kg	73 Conc. ug/kg	RL ug/kg	73 Conc. ug/kg	RL ug/kg
Compound										
Dichlorodifluoromethane	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Chloromethane	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Vinyl Chloride	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Bromomethane	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Chloroethane	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Trichlorofluoromethane	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Acetone	U	20.0	U	122	U	128	U	137	U	137
1,1-Dichloroethene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Methylene Chloride	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Carbon Disulfide	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Methyl-t-butyl Ether	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
trans-1,2-Dichloroethene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
1,1-Dichloroethane	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
2-Butanone	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
2,2-Dichloropropane	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
cis-1,2-Dichloroethene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Chloroform	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
1,1-Dichloropropene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
1,2-Dichloroethane	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
1,1,1-Trichloroethane	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Carbon Tetrachloride	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Benzene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Trichloroethene	U	5.00	132	30.5	523	32.1	387	34.2	94.5	34.2
1,2-Dichloropropane	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Bromodichloromethane	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Dibromomethane	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
cis-1,3-Dichloropropene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
trans-1,3-Dichloropropene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
1,1,2-Trichloroethane	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
1,3-Dichloropropane	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Dibromochloromethane	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
1,2-Dibromoethane	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Bromoform	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
4-Methyl-2-pentanone	U	5.00	U	30.5	U	32.1	U	34.2	19.0	34.2
Toluene	U	5.00	U	30.5	U	32.1	U	34.2	J	34.2
2-Hexanone	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Tetrachloroethene	U	5.00	U	30.5	U	32.1	15.5	J	34.2	34.2
Chlorobenzene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
1,1,1,2-Tetrachloroethane	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Ethylbenzene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
p&m-Xylene	U	10.0	U	61.0	U	64.1	U	68.5	U	68.5
o-Xylene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Styrene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Isopropylbenzene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
1,1,2,2-Tetrachloroethane	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
1,2,3-Trichloropropane	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
n-Propylbenzene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Bromobenzene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
1,3,5-Trimethylbenzene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
2-Chlorotoluene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
4-Chlorotoluene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
tert-Butylbenzene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
1,2,4-Trimethylbenzene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
sec-Butylbenzene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
p-Isopropyltoluene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
1,3-Dichlorobenzene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
1,4-Dichlorobenzene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
n-Butylbenzene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
1,2-Dichlorobenzene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
1,2-Dibromo-3-chloropropane	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
1,2,4-Trichlorobenzene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Hexachlorobutadiene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
Naphthalene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2
1,2,3-Trichlorobenzene	U	5.00	U	30.5	U	32.1	U	34.2	U	34.2

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # G-165 Little Valley Superfund Site  
 Based on Dry Weight

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Sample # : Location % Solid	Soil Blank B 120305-2		0-0165-0617 LV-N52(2-4)D		0-0165-0618 LV-N87(0-2)		0-0165-0619 LV-N87(2-4)	
	100 Conc. ug/kg	RL ug/kg	73 Conc. ug/kg	RL ug/kg	76 Conc. ug/kg	RL ug/kg	74 Conc. ug/kg	RL ug/kg
Dichlorodifluoromethane	U	5.00	U	34.2	U	32.9	U	33.8
Chloromethane	U	5.00	U	34.2	U	32.9	U	33.8
Vinyl Chloride	U	5.00	U	34.2	U	32.9	U	33.8
Bromomethane	U	5.00	U	34.2	U	32.9	U	33.8
Chloroethane	U	5.00	U	34.2	U	32.9	U	33.8
Trichlorofluoromethane	U	5.00	U	34.2	U	32.9	U	33.8
Acetone	U	20.0	U	137	U	132	U	135
1,1-Dichloroethene	U	5.00	U	34.2	U	32.9	U	33.8
Methylene Chloride	U	5.00	U	34.2	U	32.9	U	33.8
Carbon Disulfide	U	5.00	U	34.2	U	32.9	U	33.8
Methyl-t-butyl Ether	U	5.00	U	34.2	U	32.9	U	33.8
trans-1,2-Dichloroethene	U	5.00	U	34.2	U	32.9	U	33.8
1,1-Dichloroethane	U	5.00	U	34.2	U	32.9	U	33.8
2-Butanone	U	5.00	U	34.2	U	32.9	U	33.8
2,2-Dichloropropane	U	5.00	U	34.2	U	32.9	U	33.8
cis-1,2-Dichloroethene	U	5.00	U	34.2	U	32.9	U	33.8
Chloroform	U	5.00	U	34.2	U	32.9	U	33.8
1,1-Dichloropropene	U	5.00	U	34.2	U	32.9	U	33.8
1,2-Dichloroethane	U	5.00	U	34.2	U	32.9	U	33.8
1,1,1-Trichloroethane	U	5.00	U	34.2	U	32.9	U	33.8
Carbon Tetrachloride	U	5.00	U	34.2	U	32.9	U	33.8
Benzene	U	5.00	U	34.2	U	32.9	U	33.8
Trichloroethene	U	5.00	16.2 J	34.2	23.6 J	32.9	U	33.8
1,2-Dichloropropane	U	5.00	U	34.2	U	32.9	U	33.8
Bromodichloromethane	U	5.00	U	34.2	U	32.9	U	33.8
Dibromomethane	U	5.00	U	34.2	U	32.9	U	33.8
cis-1,3-Dichloropropene	U	5.00	U	34.2	U	32.9	U	33.8
trans-1,3-Dichloropropene	U	5.00	U	34.2	U	32.9	U	33.8
1,1,2-Trichloroethane	U	5.00	U	34.2	U	32.9	U	33.8
1,3-Dichloropropane	U	5.00	U	34.2	U	32.9	U	33.8
Dibromochloromethane	U	5.00	U	34.2	U	32.9	U	33.8
1,2-Dibromoethane	U	5.00	U	34.2	U	32.9	U	33.8
Bromoform	U	5.00	U	34.2	U	32.9	U	33.8
4-Methyl-2-pentanone	U	5.00	U	34.2	U	32.9	U	33.8
Toluene	U	5.00	U	34.2	10.4 J	32.9	U	33.8
2-Hexanone	U	5.00	U	34.2	U	32.9	U	33.8
Tetrachloroethene	U	5.00	U	34.2	U	32.9	U	33.8
Chlorobenzene	U	5.00	U	34.2	U	32.9	U	33.8
1,1,1,2-Tetrachloroethane	U	5.00	U	34.2	U	32.9	U	33.8
Ethylbenzene	U	5.00	U	34.2	U	32.9	U	33.8
p&m-Xylene	U	10.0	U	68.5	U	65.8	U	67.6
o-Xylene	U	5.00	U	34.2	U	32.9	U	33.8
Styrene	U	5.00	U	34.2	U	32.9	U	33.8
Isopropylbenzene	U	5.00	U	34.2	U	32.9	U	33.8
1,1,2,2-Tetrachloroethane	U	5.00	U	34.2	U	32.9	U	33.8
1,2,3-Trichloropropane	U	5.00	U	34.2	U	32.9	U	33.8
n-Propylbenzene	U	5.00	U	34.2	U	32.9	U	33.8
Bromobenzene	U	5.00	U	34.2	U	32.9	U	33.8
1,3,5-Trimethylbenzene	U	5.00	U	34.2	U	32.9	U	33.8
2-Chlorotoluene	U	5.00	U	34.2	U	32.9	U	33.8
4-Chlorotoluene	U	5.00	U	34.2	U	32.9	U	33.8
tert-Butylbenzene	U	5.00	U	34.2	U	32.9	U	33.8
1,2,4-Trimethylbenzene	U	5.00	U	34.2	U	32.9	U	33.8
sec-Butylbenzene	U	5.00	U	34.2	U	32.9	U	33.8
p-Isopropyltoluene	U	5.00	U	34.2	U	32.9	U	33.8
1,3-Dichlorobenzene	U	5.00	U	34.2	U	32.9	U	33.8
1,4-Dichlorobenzene	U	5.00	U	34.2	U	32.9	U	33.8
n-Butylbenzene	U	5.00	U	34.2	U	32.9	U	33.8
1,2-Dichlorobenzene	U	5.00	U	34.2	U	32.9	U	33.8
1,2-Dibromo-3-chloropropane	U	5.00	U	34.2	U	32.9	U	33.8
1,2,4-Trichlorobenzene	U	5.00	U	34.2	U	32.9	U	33.8
Hexachlorobutadiene	U	5.00	U	34.2	U	32.9	U	33.8
Naphthalene	U	5.00	U	34.2	U	32.9	U	33.8
1,2,3-Trichlorobenzene	U	5.00	U	34.2	U	32.9	U	33.8

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

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Sample # :	Soil Blank B 120305-2		0-0165-0613 LV-N86(2-4)		0-0165-0614 LV-N52(0-2)		0-0165-0615 LV-N52(0-2)D		0-0165-0616 LV-N52(2-4)			
	Location :	% Solid :	100 Conc. ug/kg	RL ug/kg	76 Conc. ug/kg	RL ug/kg	61 Conc. ug/kg	RL ug/kg	60 Conc. ug/kg	RL ug/kg	74 Conc. ug/kg	RL ug/kg
Compound												
Dichlorodifluoromethane	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Chloromethane	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Vinyl Chloride	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Bromomethane	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Chloroethane	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Trichlorofluoromethane	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Acetone	U		20.0	U	132	U	164	U	167	U	135	
1,1-Dichloroethene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Methylene Chloride	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Carbon Disulfide	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Methyl-t-butyl Ether	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
trans-1,2-Dichloroethene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
1,1-Dichloroethane	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
2-Butanone	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
2,2-Dichloropropane	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
cis-1,2-Dichloroethene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Chloroform	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
1,1-Dichloropropene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
1,2-Dichloroethane	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
1,1,1-Trichloroethane	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Carbon Tetrachloride	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Benzene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Trichloroethene	U		5.00	11.2 J	32.9	59.3	41.0	69.7	41.7	19.0 J	33.8	
1,2-Dichloropropane	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Bromodichloromethane	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Dibromomethane	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
cis-1,3-Dichloropropene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
trans-1,3-Dichloropropene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
1,1,2-Trichloroethane	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
1,3-Dichloropropane	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Dibromochloromethane	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
1,2-Dibromoethane	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Bromoform	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
4-Methyl-2-pentanone	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Toluene	U		5.00	U	32.9	U	41.0	11.9 J	41.7	U	33.8	
2-Hexanone	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Tetrachloroethene	U		5.00	U	32.9	U	41.0	16.4 J	41.7	U	33.8	
Chlorobenzene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
1,1,1,2-Tetrachloroethane	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Ethylbenzene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
p&m-Xylene	U		10.0	U	65.8	U	82.0	U	83.3	U	67.6	
o-Xylene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Styrene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Isopropylbenzene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
1,1,2,2-Tetrachloroethane	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
1,2,3-Trichloropropane	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
n-Propylbenzene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Bromobenzene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
1,3,5-Trimethylbenzene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
2-Chlorotoluene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
4-Chlorotoluene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
tert-Butylbenzene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
1,2,4-Trimethylbenzene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
sec-Butylbenzene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
p-Isopropyltoluene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
1,3-Dichlorobenzene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
1,4-Dichlorobenzene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
n-Butylbenzene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
1,2-Dichlorobenzene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
1,2-Dibromo-3-chloropropane	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
1,2,4-Trichlorobenzene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Hexachlorobutadiene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
Naphthalene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	
1,2,3-Trichlorobenzene	U		5.00	U	32.9	U	41.0	U	41.7	U	33.8	



Table 1 1 (cont ) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

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Sample # :	Soil Blank B 120505-1		0-0165-0620		0-0165-0621		0-0165-0622		0-0165-0625					
Location :			LV-N88(0-2)		LV-N88(2-4)		LV-N89(0-2)		LV-N90(2-4)					
% Solid :	100		76		65		71		75					
Compound	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL				
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg				
Dichlorodifluoromethane	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Chloromethane	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Vinyl Chloride	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Bromomethane	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Chloroethane	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Trichlorofluoromethane	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Acetone	U	20.0	U	132	U	154	U	J	141	U	133			
1,1-Dichloroethene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Methylene Chloride	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Carbon Disulfide	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Methyl-t-butyl Ether	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
trans-1,2-Dichloroethene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
1,1-Dichloroethane	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
2-Butanone	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
2,2-Dichloropropane	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
cis-1,2-Dichloroethene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Chloroform	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
1,1-Dichloropropene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
1,2-Dichloroethane	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
1,1,1-Trichloroethane	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Carbon Tetrachloride	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Benzene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Trichloroethene	U	5.00	10.5	J	32.9	36.9	J	38.5	18.4	J	35.2	29.9	J	33.3
1,2-Dichloropropane	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Bromodichloromethane	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Dibromomethane	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
cis-1,3-Dichloropropene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
trans-1,3-Dichloropropene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
1,1,2-Trichloroethane	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
1,3-Dichloropropane	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Dibromochloromethane	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
1,2-Dibromoethane	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Bromofom	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
4-Methyl-2-pentanone	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Toluene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
2-Hexanone	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Tetrachloroethene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Chlorobenzene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
1,1,1,2-Tetrachloroethane	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Ethylbenzene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
p&m-Xylene	U	10.0	U	65.8	U	76.9	U	J	70.4	U	66.7			
o-Xylene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Styrene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Isopropylbenzene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
1,1,2,2-Tetrachloroethane	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
1,2,3-Trichloropropane	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
n-Propylbenzene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Bromobenzene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
1,3,5-Trimethylbenzene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
2-Chlorotoluene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
4-Chlorotoluene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
tert-Butylbenzene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
1,2,4-Trimethylbenzene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
sec-Butylbenzene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
p-Isopropyltoluene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
1,3-Dichlorobenzene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
1,4-Dichlorobenzene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
n-Butylbenzene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
1,2-Dichlorobenzene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
1,2-Dibromo-3-chloropropane	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
1,2,4-Trichlorobenzene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Hexachlorobutadiene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
Naphthalene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			
1,2,3-Trichlorobenzene	U	5.00	U	32.9	U	38.5	U	J	35.2	U	33.3			

Table 1 1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

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Sample # : Location : % Solid	Soil Blank B 120505-1		0-0165-0626 LV-N90(2-4)D		0-0165-0627 LV-N90(4-6)		0-0165-0628 LV-N90(8-10)		0-0165-0629 LV-N91(0-2)	
	100 Conc. ug/kg	RL ug/kg	75 Conc. ug/kg	RL ug/kg	84 Conc. ug/kg	RL ug/kg	88 Conc. ug/kg	RL ug/kg	86 Conc. ug/kg	RL ug/kg
Compound										
Dichlorodifluoromethane	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Chloromethane	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Vinyl Chloride	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Bromomethane	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Chloroethane	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Trichlorofluoromethane	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Acetone	U	20.0	U	133	U	119	U	114	U	116
1,1-Dichloroethene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Methylene Chloride	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Carbon Disulfide	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Methyl-t-butyl Ether	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
trans-1,2-Dichloroethene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
1,1-Dichloroethane	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
2-Butanone	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
2,2-Dichloropropane	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
cis-1,2-Dichloroethene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Chloroform	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
1,1-Dichloropropene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
1,2-Dichloroethane	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
1,1,1-Trichloroethane	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Carbon Tetrachloride	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Benzene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Trichloroethene	U	5.00	132	33.3	68.1	29.8	U	28.4	323	29.1
1,2-Dichloropropane	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Bromodichloromethane	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Dibromomethane	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
cis-1,3-Dichloropropene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
trans-1,3-Dichloropropene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
1,1,2-Trichloroethane	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
1,3-Dichloropropane	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Dibromochloromethane	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
1,2-Dibromoethane	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Bromoform	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
4-Methyl-2-pentanone	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Toluene	U	5.00	U	33.3	U	29.8	U	28.4	1220	E 29.1
2-Hexanone	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Tetrachloroethene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Chlorobenzene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
1,1,1,2-Tetrachloroethane	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Ethylbenzene	U	5.00	U	33.3	U	29.8	U	28.4	49.7	29.1
p&m-Xylene	U	10.0	U	66.7	U	59.5	U	56.8	213	58.1
o-Xylene	U	5.00	U	33.3	U	29.8	U	28.4	61.0	29.1
Styrene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Isopropylbenzene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
1,1,2,2-Tetrachloroethane	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
1,2,3-Trichloropropane	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
n-Propylbenzene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Bromobenzene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
1,3,5-Trimethylbenzene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
2-Chlorotoluene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
4-Chlorotoluene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
terf-Butylbenzene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
1,2,4-Trimethylbenzene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
sec-Butylbenzene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
p-Isopropyltoluene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
1,3-Dichlorobenzene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
1,4-Dichlorobenzene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
n-Butylbenzene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
1,2-Dichlorobenzene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
1,2-Dibromo-3-chloropropane	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
1,2,4-Trichlorobenzene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Hexachlorobutadiene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
Naphthalene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1
1,2,3-Trichlorobenzene	U	5.00	U	33.3	U	29.8	U	28.4	U	29.1

Table 1 1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

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Sample #	Soil Blank B 120505-1		0-0165-0630	
	Location :		LV-N91(2-4)	
% Solid	100	74	74	74
Compound	Conc.	RL	Conc.	RL
	ug/kg	ug/kg	ug/kg	ug/kg
Dichlorodifluoromethane	U	5.00	U	33.8
Chloromethane	U	5.00	U	33.8
Vinyl Chloride	U	5.00	U	33.8
Bromomethane	U	5.00	U	33.8
Chloroethane	U	5.00	U	33.8
Trichlorofluoromethane	U	5.00	U	33.8
Acetone	U	20.0	U	135
1,1-Dichloroethene	U	5.00	U	33.8
Methylene Chloride	U	5.00	U	33.8
Carbon Disulfide	U	5.00	U	33.8
Methyl-t-butyl Ether	U	5.00	U	33.8
trans-1,2-Dichloroethene	U	5.00	U	33.8
1,1-Dichloroethane	U	5.00	U	33.8
2-Butanone	U	5.00	U	33.8
2,2-Dichloropropane	U	5.00	U	33.8
cis-1,2-Dichloroethene	U	5.00	U	33.8
Chloroform	U	5.00	U	33.8
1,1-Dichloropropene	U	5.00	U	33.8
1,2-Dichloroethane	U	5.00	U	33.8
1,1,1-Trichloroethane	U	5.00	U	33.8
Carbon Tetrachloride	U	5.00	U	33.8
Benzene	U	5.00	U	33.8
Trichloroethene	U	5.00	34.2	33.8
1,2-Dichloropropane	U	5.00	U	33.8
Bromodichloromethane	U	5.00	U	33.8
Dibromomethane	U	5.00	U	33.8
cis-1,3-Dichloropropene	U	5.00	U	33.8
trans-1,3-Dichloropropene	U	5.00	U	33.8
1,1,2-Trichloroethane	U	5.00	U	33.8
1,3-Dichloropropane	U	5.00	U	33.8
Dibromochloromethane	U	5.00	U	33.8
1,2-Dibromoethane	U	5.00	U	33.8
Bromoform	U	5.00	U	33.8
4-Methyl-2-pentanone	U	5.00	U	33.8
Toluene	U	5.00	15.4	33.8
2-Hexanone	U	5.00	U	33.8
Tetrachloroethene	U	5.00	U	33.8
Chlorobenzene	U	5.00	U	33.8
1,1,1,2-Tetrachloroethane	U	5.00	U	33.8
Ethylbenzene	U	5.00	U	33.8
p&m-Xylene	U	10.0	U	67.6
o-Xylene	U	5.00	U	33.8
Styrene	U	5.00	U	33.8
Isopropylbenzene	U	5.00	U	33.8
1,1,2,2-Tetrachloroethane	U	5.00	U	33.8
1,2,3-Trichloropropane	U	5.00	U	33.8
n-Propylbenzene	U	5.00	U	33.8
Bromobenzene	U	5.00	U	33.8
1,3,5-Trimethylbenzene	U	5.00	U	33.8
2-Chlorotoluene	U	5.00	U	33.8
4-Chlorotoluene	U	5.00	U	33.8
tert-Butylbenzene	U	5.00	U	33.8
1,2,4-Trimethylbenzene	U	5.00	U	33.8
sec-Butylbenzene	U	5.00	U	33.8
p-Isopropyltoluene	U	5.00	U	33.8
1,3-Dichlorobenzene	U	5.00	U	33.8
1,4-Dichlorobenzene	U	5.00	U	33.8
n-Butylbenzene	U	5.00	U	33.8
1,2-Dichlorobenzene	U	5.00	U	33.8
1,2-Dibromo-3-chloropropane	U	5.00	U	33.8
1,2,4-Trichlorobenzene	U	5.00	U	33.8
Hexachlorobutadiene	U	5.00	U	33.8
Naphthalene	U	5.00	U	33.8
1,2,3-Trichlorobenzene	U	5.00	U	33.8

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

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Sample # : Location : % Solid :	Soil Blank B 120605-1		0-0165-0611 LV-N83(2-4)		0-0165-0623 LV-N89(2-4)		0-0165-0624 LV-N90(0-2)		0-0165-0631 LV-N56(4-6)	
	100 Conc ug/kg	RL ug/kg	80 Conc. ug/kg	RL ug/kg	76 Conc. ug/kg	RL ug/kg	70 Conc. ug/kg	RL ug/kg	89 Conc. ug/kg	RL ug/kg
Dichlorodifluoromethane	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Chloromethane	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Vinyl Chloride	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Bromomethane	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Chloroethane	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Trichlorofluoromethane	U	5.00	U	31.3	9.52 J	32.9	U	35.7	7.73 J	28.1
Acetone	U	20.0	U	125	U	132	U	143	U	112
1,1-Dichloroethene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Methylene Chloride	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Carbon Disulfide	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Methyl-t-butyl Ether	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
trans-1,2-Dichloroethene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
1,1-Dichloroethane	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
2-Butanone	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
2,2-Dichloropropane	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
cis-1,2-Dichloroethene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Chloroform	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
1,1-Dichloropropene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
1,2-Dichloroethane	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
1,1,1-Trichloroethane	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Carbon Tetrachloride	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Benzene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Trichloroethene	U	5.00	65.7	31.3	8.71 J	32.9	9.40 J	35.7	153	28.1
1,2-Dichloropropane	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Bromodichloromethane	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Dibromomethane	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
cis-1,3-Dichloropropene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
trans-1,3-Dichloropropene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
1,1,2-Trichloroethane	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
1,3-Dichloropropane	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Dibromochloromethane	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
1,2-Dibromoethane	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Bromoform	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
4-Methyl-2-pentanone	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Toluene	U	5.00	U	31.3	U	32.9	U	35.7	53.1	28.1
2-Hexanone	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Tetrachloroethene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Chlorobenzene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
1,1,1,2-Tetrachloroethane	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Ethylbenzene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
p&m-Xylene	U	10.0	U	62.5	U	65.8	U	71.4	U	56.2
o-Xylene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Styrene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Isopropylbenzene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
1,1,2,2-Tetrachloroethane	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
1,2,3-Trichloropropane	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
n-Propylbenzene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Bromobenzene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
1,3,5-Trimethylbenzene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
2-Chlorotoluene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
4-Chlorotoluene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
tert-Butylbenzene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
1,2,4-Trimethylbenzene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
sec-Butylbenzene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
p-Isopropyltoluene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
1,3-Dichlorobenzene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
1,4-Dichlorobenzene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
n-Butylbenzene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
1,2-Dichlorobenzene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
1,2-Dibromo-3-chloropropane	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
1,2,4-Trichlorobenzene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Hexachlorobutadiene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
Naphthalene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1
1,2,3-Trichlorobenzene	U	5.00	U	31.3	U	32.9	U	35.7	U	28.1

Table 1 1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method REAC SGP 1807

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Sample # :	Soil Blank B 120705-2		0-0165-0632 LV-N56(8-10)		0-0165-0634 FB-51130		0-0165-0636 FB-51201		0-0165-0637 LV-BLDG3(3-4)	
	Location :	100	88	100	100	100	72	72	72	72
% Solid :	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL
Compound	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dichlorodifluoromethane	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Chloromethane	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Vinyl Chloride	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Bromomethane	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Chloroethane	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Trichlorofluoromethane	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Acetone	U	20.0	U	11.4	U	20.0	U	20.0	U	139
1,1-Dichloroethene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Methylene Chloride	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Carbon Disulfide	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Methyl-t-butyl Ether	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
trans-1,2-Dichloroethene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
1,1-Dichloroethane	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
2-Butanone	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
2,2-Dichloropropane	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
cis-1,2-Dichloroethene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Chloroform	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
1,1-Dichloropropene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
1,2-Dichloroethane	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
1,1,1-Trichloroethane	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Carbon Tetrachloride	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Benzene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Trichloroethene	U	5.00	U	28.4	U	5.00	U	5.00	62.5	34.7
1,2-Dichloropropane	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Bromodichloromethane	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Dibromomethane	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
cis-1,3-Dichloropropene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
trans-1,3-Dichloropropene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
1,1,2-Trichloroethane	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
1,3-Dichloropropane	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Dibromochloromethane	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
1,2-Dibromoethane	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Bromoform	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
4-Methyl-2-pentanone	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Toluene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
2-Hexanone	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Tetrachloroethene	U	5.00	U	28.4	U	5.00	U	5.00	11.3	34.7
Chlorobenzene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
1,1,1,2-Tetrachloroethane	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Ethylbenzene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
p&m-Xylene	U	10.0	U	56.8	U	10.0	U	10.0	U	69.4
o-Xylene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Styrene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Isopropylbenzene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
1,1,2,2-Tetrachloroethane	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
1,2,3-Trichloropropane	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
n-Propylbenzene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Bromobenzene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
1,3,5-Trimethylbenzene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
2-Chlorotoluene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
4-Chlorotoluene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
tert-Butylbenzene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
1,2,4-Trimethylbenzene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
sec-Butylbenzene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
p-Isopropyltoluene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
1,3-Dichlorobenzene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
1,4-Dichlorobenzene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
n-Butylbenzene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
1,2-Dichlorobenzene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
1,2-Dibromo-3-chloropropane	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
1,2,4-Trichlorobenzene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Hexachlorobutadiene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
Naphthalene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7
1,2,3-Trichlorobenzene	U	5.00	U	28.4	U	5.00	U	5.00	U	34.7

Table 1 1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method REAC SOP 1807

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Sample # :	Soil Blank B 120705-2		0-0165-0638		0-0165-0639		0-0165-0640		0-0165-0641	
	Location :		LV-BLDG3(4-5)		LV-BLDG4(0-2)		LV-BLDG4(3-5)		LV-BLDG5(1-3)	
% Solid :	100	88	88	68	67	78				
Compound	Conc. ug/kg	RL ug/kg	Conc. ug/kg	RL ug/kg	Conc. ug/kg	RL ug/kg	Conc. ug/kg	RL ug/kg	Conc. ug/kg	RL ug/kg
Dichlorodifluoromethane	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Chloromethane	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Vinyl Chloride	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Bromomethane	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Chloroethane	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Trichlorofluoromethane	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Acelone	U	20.0	U	114	U	147	U	149	U	128
1,1-Dichloroethene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Methylene Chloride	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Carbon Disulfide	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Methyl-t-butyl Ether	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
trans-1,2-Dichloroethene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
1,1-Dichloroethane	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
2-Butanone	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
2,2-Dichloropropane	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
cis-1,2-Dichloroethene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Chloroform	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
1,1-Dichloropropene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
1,2-Dichloroethane	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
1,1,1-Trichloroethane	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Carbon Tetrachloride	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Benzene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Trichloroethene	U	5.00	U	28.4	25.9 J	36.8	394	37.3	1560 E	32.1
1,2-Dichloropropane	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Bromodichloromethane	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Dibromomethane	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
cis-1,3-Dichloropropene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
trans-1,3-Dichloropropene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
1,1,2-Trichloroethane	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
1,3-Dichloropropane	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Dibromochloromethane	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
1,2-Dibromoethane	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Bromoform	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
4-Methyl-2-pentanone	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Toluene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
2-Hexanone	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Tetrachloroethene	U	5.00	U	28.4	U	36.8	16.0 J	37.3	U	32.1
Chlorobenzene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
1,1,1,2-Tetrachloroethane	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Ethylbenzene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
p&m-Xylene	U	10.0	U	56.8	U	73.5	U	74.6	U	64.1
o-Xylene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Styrene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Isopropylbenzene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
1,1,2,2-Tetrachloroethane	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
1,2,3-Trichloropropane	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
n-Propylbenzene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Bromobenzene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
1,3,5-Trimethylbenzene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
2-Chlorotoluene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
4-Chlorotoluene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
tert-Butylbenzene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
1,2,4-Trimethylbenzene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
sec-Butylbenzene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
p-Isopropyltoluene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
1,3-Dichlorobenzene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
1,4-Dichlorobenzene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
n-Butylbenzene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
1,2-Dichlorobenzene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
1,2-Dibromo-3-chloropropane	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
1,2,4-Trichlorobenzene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Hexachlorobutadiene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1
Naphthalene	U	5.00	U	28.4	U	36.8	U	37.3	2110 E	32.1
1,2,3-Trichlorobenzene	U	5.00	U	28.4	U	36.8	U	37.3	U	32.1

Table 1 1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method REAC SOP 1807

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Sample #	Soil Blank B 120705-2		0-0165-0642	
	100		70	
Location			LV-BLDG5(3-5)	
% Solid				
Compound	Conc.	RL	Conc.	RL
	ug/kg	ug/kg	ug/kg	ug/kg
Dichlorodifluoromethane	U	5.00	U	35.7
Chloromethane	U	5.00	U	35.7
Vinyl Chloride	U	5.00	U	35.7
Bromomethane	U	5.00	U	35.7
Chloroethane	U	5.00	U	35.7
Trichlorofluoromethane	U	5.00	U	35.7
Acelone	U	20.0	U	143
1,1-Dichloroethene	U	5.00	U	35.7
Methylene Chloride	U	5.00	U	35.7
Carbon Disulfide	U	5.00	U	35.7
Methyl-t-butyl Ether	U	5.00	U	35.7
trans-1,2-Dichloroethene	U	5.00	U	35.7
1,1-Dichloroethane	U	5.00	U	35.7
2-Butanone	U	5.00	U	35.7
2,2-Dichloropropane	U	5.00	U	35.7
cis-1,2-Dichloroethene	U	5.00	U	35.7
Chloroform	U	5.00	U	35.7
1,1-Dichloropropene	U	5.00	U	35.7
1,2-Dichloroethane	U	5.00	U	35.7
1,1,1-Trichloroethane	U	5.00	U	35.7
Carbon Tetrachloride	U	5.00	U	35.7
Benzene	U	5.00	U	35.7
Trichloroethene	U	5.00	103	35.7
1,2-Dichloropropane	U	5.00	U	35.7
Bromodichloromethane	U	5.00	U	35.7
Dibromomethane	U	5.00	U	35.7
cis-1,3-Dichloropropene	U	5.00	U	35.7
trans-1,3-Dichloropropene	U	5.00	U	35.7
1,1,2-Trichloroethane	U	5.00	U	35.7
1,3-Dichloropropane	U	5.00	U	35.7
Dibromochloromethane	U	5.00	U	35.7
1,2-Dibromoethane	U	5.00	U	35.7
Bromoform	U	5.00	U	35.7
4-Methyl-2-pentanone	U	5.00	U	35.7
Toluene	U	5.00	U	35.7
2-Hexanone	U	5.00	U	35.7
Tetrachloroethene	U	5.00	U	35.7
Chlorobenzene	U	5.00	U	35.7
1,1,1,2-Tetrachloroethane	U	5.00	U	35.7
Ethylbenzene	U	5.00	U	35.7
p&m-Xylene	U	10.0	U	71.4
o-Xylene	U	5.00	U	35.7
Styrene	U	5.00	U	35.7
Isopropylbenzene	U	5.00	U	35.7
1,1,1,2-Tetrachloroethane	U	5.00	U	35.7
1,2,3-Trichloropropane	U	5.00	U	35.7
n-Propylbenzene	U	5.00	U	35.7
Bromobenzene	U	5.00	U	35.7
1,3,5-Trimethylbenzene	U	5.00	U	35.7
2-Chlorotoluene	U	5.00	U	35.7
4-Chlorotoluene	U	5.00	U	35.7
tert-Butylbenzene	U	5.00	U	35.7
1,2,4-Trimethylbenzene	U	5.00	U	35.7
sec-Butylbenzene	U	5.00	U	35.7
p-Isopropyltoluene	U	5.00	U	35.7
1,3-Dichlorobenzene	U	5.00	U	35.7
1,4-Dichlorobenzene	U	5.00	U	35.7
n-Butylbenzene	U	5.00	U	35.7
1,2-Dichlorobenzene	U	5.00	U	35.7
1,2-Dibromo-3-chloropropane	U	5.00	U	35.7
1,2,4-Trichlorobenzene	U	5.00	U	35.7
Hexachlorobutadiene	U	5.00	U	35.7
Naphthalene	U	5.00	29.9	J 35.7
1,2,3-Trichlorobenzene	U	5.00	U	35.7

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method REAC SOP 1807

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Sample # Location % Solid	Soil Blank B 120705-1		0-0165-0633 TB-51130		0-0165-0635 TB-51201		0-0165-0643 LV-BLDG6(1-3)		0-0165-0644 LV-BLDG6(3-5)		
	100 Conc. ug/kg	RL ug/kg	100 Conc. ug/kg	RL ug/kg	100 Conc. ug/kg	RL ug/kg	68 Conc. ug/kg	RL ug/kg	84 Conc. ug/kg	RL ug/kg	
Compound											
Dichlorodifluoromethane	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Chloromethane	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Vinyl Chloride	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Bromomethane	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Chloroethane	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Trichlorofluoromethane	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Acetone	U	20.0	U	20.0	U	20.0	U	147	U	119	
1,1-Dichloroethene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Methylene Chloride	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Carbon Disulfide	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Methyl-t-butyl Ether	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
trans-1,2-Dichloroethene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
1,1-Dichloroethane	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
2-Butanone	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
2,2-Dichloropropane	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
cis-1,2-Dichloroethene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Chloroform	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
1,1-Dichloropropene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
1,2-Dichloroethane	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
1,1,1-Trichloroethane	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Carbon Tetrachloride	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Benzene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Trichloroethene	U	5.00	U	5.00	U	5.00	55.2	36.8	U	29.8	
1,2-Dichloropropane	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Bromodichloromethane	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Dibromomethane	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
cis-1,3-Dichloropropene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
trans-1,3-Dichloropropene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
1,1,2-Trichloroethane	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
1,3-Dichloropropane	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Dibromochloromethane	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
1,2-Dibromoethane	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Bromoform	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
4-Methyl-2-pentanone	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Toluene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
2-Hexanone	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Tetrachloroethene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Chlorobenzene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
1,1,1,2-Tetrachloroethane	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Ethylbenzene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
p&m-Xylene	U	10.0	U	10.0	U	10.0	U	73.5	U	59.5	
o-Xylene	U	5.00	2.05	J	5.00	U	5.00	U	36.8	U	29.8
Styrene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Isopropylbenzene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
1,1,2,2-Tetrachloroethane	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
1,2,3-Trichloropropane	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
n-Propylbenzene	U	5.00	1.37	J	5.00	U	5.00	U	36.8	U	29.8
Bromobenzene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
1,3,5-Trimethylbenzene	U	5.00	2.13	J	5.00	U	5.00	U	36.8	U	29.8
2-Chlorotoluene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
4-Chlorotoluene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
tert-Butylbenzene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
1,2,4-Trimethylbenzene	U	5.00	5.23	J	5.00	U	5.00	U	36.8	U	29.8
sec-Butylbenzene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
p-Isopropyltoluene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
1,3-Dichlorobenzene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
1,4-Dichlorobenzene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
n-Butylbenzene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
1,2-Dichlorobenzene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
1,2-Dibromo-3-chloropropane	U	20.3	U	20.3	U	20.3	U	149	U	121	
1,2,4-Trichlorobenzene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Hexachlorobutadiene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
Naphthalene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	
1,2,3-Trichlorobenzene	U	5.00	U	5.00	U	5.00	U	36.8	U	29.8	



Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Method REAC SOP 1807

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Sample # :	Soil Blank B 120705-1		0-0165-0645 LV-BLDG6(3-5)D		0-0165-0647 LV-BLDG8(0-2)		0-0165-0648 LV-BLDG8(2-4)	
	Location :	% Solid :	83	86	76	Conc.	RL	Conc.
Compound	Conc. ug/kg	RL ug/kg	Conc. ug/kg	RL ug/kg	Conc. ug/kg	RL ug/kg	Conc. ug/kg	RL ug/kg
Dichlorodifluoromethane	U	5.00	U	30.1	U	J 29.1	U	32.9
Chloromethane	U	5.00	U	30.1	U	J 29.1	U	32.9
Vinyl Chloride	U	5.00	U	30.1	U	J 29.1	U	32.9
Bromomethane	U	5.00	U	30.1	U	J 29.1	U	32.9
Chloroethane	U	5.00	U	30.1	U	J 29.1	U	32.9
Trichlorofluoromethane	U	5.00	U	30.1	7.86	J 29.1	U	32.9
Acetone	U	20.0	U	120	U	J 116	U	132
1,1-Dichloroethene	U	5.00	U	30.1	U	J 29.1	U	32.9
Methylene Chloride	U	5.00	U	30.1	U	J 29.1	U	32.9
Carbon Disulfide	U	5.00	U	30.1	U	J 29.1	U	32.9
Methyl-t-butyl Ether	U	5.00	U	30.1	U	J 29.1	U	32.9
trans-1,2-Dichloroethene	U	5.00	U	30.1	U	J 29.1	U	32.9
1,1-Dichloroethane	U	5.00	U	30.1	U	J 29.1	U	32.9
2-Butanone	U	5.00	U	30.1	U	J 29.1	U	32.9
2,2-Dichloropropane	U	5.00	U	30.1	U	J 29.1	U	32.9
cis-1,2-Dichloroethene	U	5.00	U	30.1	U	J 29.1	U	32.9
Chloroform	U	5.00	U	30.1	U	J 29.1	U	32.9
1,1-Dichloropropene	U	5.00	U	30.1	U	J 29.1	U	32.9
1,2-Dichloroethane	U	5.00	U	30.1	U	J 29.1	U	32.9
1,1,1-Trichloroethane	U	5.00	U	30.1	U	J 29.1	U	32.9
Carbon Tetrachloride	U	5.00	U	30.1	U	J 29.1	U	32.9
Benzene	U	5.00	U	30.1	U	J 29.1	U	32.9
Trichloroethene	U	5.00	U	30.1	1730	E 29.1	13.2	J 32.9
1,2-Dichloropropane	U	5.00	U	30.1	U	J 29.1	U	32.9
Bromodichloromethane	U	5.00	U	30.1	U	J 29.1	U	32.9
Dibromomethane	U	5.00	U	30.1	U	J 29.1	U	32.9
cis-1,3-Dichloropropene	U	5.00	U	30.1	U	J 29.1	U	32.9
trans-1,3-Dichloropropene	U	5.00	U	30.1	U	J 29.1	U	32.9
1,1,2-Trichloroethane	U	5.00	U	30.1	U	J 29.1	U	32.9
1,3-Dichloropropane	U	5.00	U	30.1	U	J 29.1	U	32.9
Dibromochloromethane	U	5.00	U	30.1	U	J 29.1	U	32.9
1,2-Dibromoethane	U	5.00	U	30.1	U	J 29.1	U	32.9
Bromoform	U	5.00	U	30.1	U	J 29.1	U	32.9
4-Methyl-2-pentanone	U	5.00	U	30.1	R	29.1	U	32.9
Toluene	U	5.00	U	30.1	R	29.1	U	32.9
2-Hexanone	U	5.00	U	30.1	R	29.1	U	32.9
Tetrachloroethene	U	5.00	U	30.1	R	29.1	U	32.9
Chlorobenzene	U	5.00	U	30.1	R	29.1	U	32.9
1,1,1,2-Tetrachloroethane	U	5.00	U	30.1	R	29.1	U	32.9
Ethylbenzene	U	5.00	U	30.1	R	29.1	U	32.9
p&m-Xylene	U	10.0	U	60.2	R	58.1	U	65.8
o-Xylene	U	5.00	U	30.1	R	29.1	U	32.9
Styrene	U	5.00	U	30.1	R	29.1	U	32.9
Isopropylbenzene	U	5.00	U	30.1	R	29.1	U	32.9
1,1,2,2-Tetrachloroethane	U	5.00	U	30.1	R	29.1	U	32.9
1,2,3-Trichloropropane	U	5.00	U	30.1	R	29.1	U	32.9
n-Propylbenzene	U	5.00	U	30.1	R	29.1	U	32.9
Bromobenzene	U	5.00	U	30.1	R	29.1	U	32.9
1,3,5-Trimethylbenzene	U	5.00	U	30.1	R	29.1	U	32.9
2-Chlorotoluene	U	5.00	U	30.1	R	29.1	U	32.9
4-Chlorotoluene	U	5.00	U	30.1	R	29.1	U	32.9
tert-Butylbenzene	U	5.00	U	30.1	R	29.1	U	32.9
1,2,4-Trimethylbenzene	U	5.00	U	30.1	R	29.1	U	32.9
sec-Butylbenzene	U	5.00	U	30.1	R	29.1	U	32.9
p-Isopropyltoluene	U	5.00	U	30.1	R	29.1	U	32.9
1,3-Dichlorobenzene	U	5.00	U	30.1	R	29.1	U	32.9
1,4-Dichlorobenzene	U	5.00	U	30.1	R	29.1	U	32.9
n-Butylbenzene	U	5.00	U	30.1	R	29.1	U	32.9
1,2-Dichlorobenzene	U	5.00	U	30.1	R	29.1	U	32.9
1,2-Dibromo-3-chloropropane	U	20.3	U	122	R	118	U	134
1,2,4-Trichlorobenzene	U	5.00	U	30.1	R	29.1	U	32.9
Hexachlorobutadiene	U	5.00	U	30.1	R	29.1	U	32.9
Naphthalene	U	5.00	U	30.1	R	29.1	U	32.9
1,2,3-Trichlorobenzene	U	5.00	U	30.1	R	29.1	U	32.9

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

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Sample # :	Soil Blank B 120705-1		0-0165-0649		0-0165-0650		0-0165-0651	
	Location :	% Solid :	Location :	% Solid :	Location :	% Solid :	Location :	% Solid :
Compound	100 Conc. ug/kg	RL ug/kg	72 Conc. ug/kg	RL ug/kg	83 Conc. ug/kg	RL ug/kg	83 Conc. ug/kg	RL ug/kg
Dichlorodifluoromethane	U	5.00	U	34.7	U	30.1	U	30.1
Chloromethane	U	5.00	U	34.7	U	30.1	U	30.1
Vinyl Chloride	U	5.00	U	34.7	U	30.1	U	30.1
Bromomethane	U	5.00	U	34.7	U	30.1	U	30.1
Chloroethane	U	5.00	U	34.7	U	30.1	U	30.1
Trichlorofluoromethane	U	5.00	U	34.7	U	30.1	U	30.1
Acetone	U	20.0	U	139	U	120	U	120
1,1-Dichloroethene	U	5.00	U	34.7	U	30.1	U	30.1
Methylene Chloride	U	5.00	U	34.7	U	30.1	U	30.1
Carbon Disulfide	U	5.00	U	34.7	U	30.1	U	30.1
Methyl-t-butyl Ether	U	5.00	U	34.7	U	30.1	U	30.1
trans-1,2-Dichloroethene	U	5.00	U	34.7	U	30.1	U	30.1
1,1-Dichloroethane	U	5.00	U	34.7	U	30.1	U	30.1
2-Butanone	U	5.00	U	34.7	U	30.1	U	30.1
2,2-Dichloropropane	U	5.00	U	34.7	U	30.1	U	30.1
cis-1,2-Dichloroethene	U	5.00	U	34.7	U	30.1	U	30.1
Chloroform	U	5.00	U	34.7	U	30.1	U	30.1
1,1-Dichloropropene	U	5.00	U	34.7	U	30.1	U	30.1
1,2-Dichloroethane	U	5.00	U	34.7	U	30.1	U	30.1
1,1,1-Trichloroethane	U	5.00	U	34.7	U	30.1	U	30.1
Carbon Tetrachloride	U	5.00	U	34.7	U	30.1	U	30.1
Benzene	U	5.00	U	34.7	U	30.1	U	30.1
Trichloroethene	U	5.00	40.9	34.7	U	30.1	U	30.1
1,2-Dichloropropane	U	5.00	U	34.7	U	30.1	U	30.1
Bromodichloromethane	U	5.00	U	34.7	U	30.1	U	30.1
Dibromomethane	U	5.00	U	34.7	U	30.1	U	30.1
cis-1,3-Dichloropropene	U	5.00	U	34.7	U	30.1	U	30.1
trans-1,3-Dichloropropene	U	5.00	U	34.7	U	30.1	U	30.1
1,1,2-Trichloroethane	U	5.00	U	34.7	U	30.1	U	30.1
1,3-Dichloropropane	U	5.00	U	34.7	U	30.1	U	30.1
Dibromochloromethane	U	5.00	U	34.7	U	30.1	U	30.1
1,2-Dibromoethane	U	5.00	U	34.7	U	30.1	U	30.1
Bromoform	U	5.00	U	34.7	U	30.1	U	30.1
4-Methyl-2-pentanone	U	5.00	U	34.7	U	30.1	U	30.1
Toluene	U	5.00	U	34.7	U	30.1	U	30.1
2-Hexanone	U	5.00	U	34.7	U	30.1	U	30.1
Tetrachloroethene	U	5.00	U	34.7	U	30.1	U	30.1
Chlorobenzene	U	5.00	U	34.7	U	30.1	U	30.1
1,1,1,2-Tetrachloroethane	U	5.00	U	34.7	U	30.1	U	30.1
Ethylbenzene	U	5.00	U	34.7	U	30.1	U	30.1
p&m-Xylene	U	10.0	U	69.4	U	60.2	U	60.2
o-Xylene	U	5.00	U	34.7	U	30.1	U	30.1
Styrene	U	5.00	U	34.7	U	30.1	U	30.1
Isopropylbenzene	U	5.00	U	34.7	U	30.1	U	30.1
1,1,2,2-Tetrachloroethane	U	5.00	U	34.7	U	30.1	U	30.1
1,2,3-Trichloropropane	U	5.00	U	34.7	U	30.1	U	30.1
n-Propylbenzene	U	5.00	U	34.7	U	30.1	U	30.1
Bromobenzene	U	5.00	U	34.7	U	30.1	U	30.1
1,3,5-Trimethylbenzene	U	5.00	U	34.7	U	30.1	U	30.1
2-Chlorotoluene	U	5.00	U	34.7	U	30.1	U	30.1
4-Chlorotoluene	U	5.00	U	34.7	U	30.1	U	30.1
tert-Butylbenzene	U	5.00	U	34.7	U	30.1	U	30.1
1,2,4-Tnmethylbenzene	U	5.00	U	34.7	U	30.1	U	30.1
sec-Butylbenzene	U	5.00	U	34.7	U	30.1	U	30.1
p-isopropyltoluene	U	5.00	U	34.7	U	30.1	U	30.1
1,3-Dichlorobenzene	U	5.00	U	34.7	U	30.1	U	30.1
1,4-Dichlorobenzene	U	5.00	U	34.7	U	30.1	U	30.1
n-Butylbenzene	U	5.00	U	34.7	U	30.1	U	30.1
1,2-Dichlorobenzene	U	5.00	U	34.7	U	30.1	U	30.1
1,2-Dibromo-3-chloropropane	U	20.3	U	141	U	122	U	122
1,2,4-Trichlorobenzene	U	5.00	U	34.7	U	30.1	U	30.1
Hexachlorobutadiene	U	5.00	U	34.7	U	30.1	U	30.1
Naphthalene	U	5.00	U	34.7	U	30.1	U	30.1
1,2,3-Trichlorobenzene	U	5.00	U	34.7	U	30.1	U	30.1

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 (Little Valley Superfund Site)  
 Based on Dry Weight

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Sample # : Location : % Solid :	Soil Blank B 120805-1		0-0165-0667 LV-BLDG18(2-4) 77		0-0165-0653 LV-BLDG11(0-2) 75		0-0165-0654 LV-BLDG11(2-4) 80		0-0165-0655 LV-BLDG11(2-4)D 81	
	Conc. ug/kg	RL ug/kg	Conc ug/kg	RL ug/kg	Conc. ug/kg	RL ug/kg	Conc. ug/kg	RL ug/kg	Conc. ug/kg	RL ug/kg
Compound										
Dichlorodifluoromethane	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Chloromethane	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Vinyl Chloride	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Bromomethane	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Chloroethane	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Trichlorofluoromethane	U	5.00	U	32.5	U	33.3	U	31.3	U	123
Acetone	U	20.0	U	130	U	133	U	125	U	30.9
1,1-Dichloroethane	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Methylene Chloride	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Carbon Disulfide	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Methyl-t-butyl Ether	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
trans-1,2-Dichloroethene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
1,1-Dichloroethane	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
2-Butanone	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
2,2-Dichloropropane	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
cis-1,2-Dichloroethene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Chloroform	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
1,1-Dichloropropene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
1,2-Dichloroethane	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
1,1,1-Trichloroethane	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Carbon Tetrachloride	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Benzene	U	5.00	U	32.5	220	33.3	U	31.3	U	30.9
Trichloroethene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
1,2-Dichloropropane	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Bromodichloromethane	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Dibromomethane	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
cis-1,3-Dichloropropene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
trans-1,3-Dichloropropene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
1,1,2-Trichloroethane	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
1,3-Dichloropropane	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Dibromochloromethane	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
1,2-Dibromoethane	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Bromofom	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
4-Methyl-2-pentanone	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Toluene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
2-Hexanone	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Tetrachloroethene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Chlorobenzene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
1,1,1,2-Tetrachloroethane	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Ethylbenzene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
p&m-Xylene	U	10.0	U	64.9	U	66.7	U	62.5	U	61.7
o-Xylene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Styrene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Isopropylbenzene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
1,1,2,2-Tetrachloroethane	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
1,2,3-Trichloropropane	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
n-Propylbenzene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Bromobenzene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
1,3,5-Trimethylbenzene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
2-Chlorotoluene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
4-Chlorotoluene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
tert-Butylbenzene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
1,2,4-Trimethylbenzene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
sec-Butylbenzene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
p-Isopropyltoluene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
1,3-Dichlorobenzene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
1,4-Dichlorobenzene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
n-Butylbenzene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
1,2-Dichlorobenzene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
1,2-Dibromo-3-chloropropane	U	20.3	U	132	U	135	U	127	U	125
1,2,4-Trichlorobenzene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Hexachlorobutadiene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
Naphthalene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9
1,2,3-Trichlorobenzene	U	5.00	U	32.5	U	33.3	U	31.3	U	30.9

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

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Compound	Soil Blank B 120805-1		0-0165-0656 LV-BLDG12(0-2)		0-0165-0658 LV-BLDG13(0-2)		0-0165-0659 LV-BLDG13(2-4)	
	100		80		75		75	
	Conc. ug/kg	RL ug/kg	Conc. ug/kg	RL ug/kg	Conc. ug/kg	RL ug/kg	Conc. ug/kg	RL ug/kg
Dichlorodifluoromethane	U	5.00	U	31.3	U	33.3	U	33.3
Chloromethane	U	5.00	U	31.3	U	33.3	U	33.3
Vinyl Chloride	U	5.00	U	31.3	U	33.3	U	33.3
Bromomethane	U	5.00	U	31.3	U	33.3	U	33.3
Chloroethane	U	5.00	U	31.3	U	33.3	U	33.3
Trichlorofluoromethane	U	5.00	U	31.3	11.1 J	33.3	U	33.3
Acetone	U	20.0	U	125	U	133	U	133
1,1-Dichloroethene	U	5.00	U	31.3	U	33.3	U	33.3
Methylene Chloride	U	5.00	U	31.3	U	33.3	U	33.3
Carbon Disulfide	U	5.00	U	31.3	U	33.3	U	33.3
Methyl-t-butyl Ether	U	5.00	U	31.3	U	33.3	U	33.3
trans-1,2-Dichloroethene	U	5.00	U	31.3	U	33.3	U	33.3
1,1-Dichloroethane	U	5.00	U	31.3	U	33.3	U	33.3
2-Butanone	U	5.00	U	31.3	U	33.3	U	33.3
2,2-Dichloropropane	U	5.00	U	31.3	U	33.3	U	33.3
cis-1,2-Dichloroethene	U	5.00	U	31.3	U	33.3	U	33.3
Chloroform	U	5.00	U	31.3	U	33.3	U	33.3
1,1-Dichloropropene	U	5.00	U	31.3	U	33.3	U	33.3
1,2-Dichloroethane	U	5.00	U	31.3	U	33.3	U	33.3
1,1,1-Trichloroethane	U	5.00	U	31.3	U	33.3	U	33.3
Carbon Tetrachloride	U	5.00	U	31.3	U	33.3	U	33.3
Benzene	U	5.00	U	31.3	U	33.3	U	33.3
Trichloroethene	U	5.00	1560 E	31.3	17.2 J	33.3	131	33.3
1,2-Dichloropropane	U	5.00	U	31.3	U	33.3	U	33.3
Bromodichloromethane	U	5.00	U	31.3	U	33.3	U	33.3
Dibromomethane	U	5.00	U	31.3	U	33.3	U	33.3
cis-1,3-Dichloropropene	U	5.00	U	31.3	U	33.3	U	33.3
trans-1,3-Dichloropropene	U	5.00	U	31.3	U	33.3	U	33.3
1,1,2-Trichloroethane	U	5.00	U	31.3	U	33.3	U	33.3
1,3-Dichloropropane	U	5.00	U	31.3	U	33.3	U	33.3
Dibromochloromethane	U	5.00	U	31.3	U	33.3	U	33.3
1,2-Dibromoethane	U	5.00	U	31.3	U	33.3	U	33.3
Bromofom	U	5.00	U	31.3	U	33.3	U	33.3
4-Methyl-2-pentanone	U	5.00	U	31.3	R	33.3	U	33.3
Toluene	U	5.00	U	31.3	R	33.3	U	33.3
2-Hexanone	U	5.00	U	31.3	R	33.3	U	33.3
Tetrachloroethene	U	5.00	15.1 J	31.3	R	33.3	U	33.3
Chlorobenzene	U	5.00	U	31.3	R	33.3	U	33.3
1,1,1,2-Tetrachloroethane	U	5.00	U	31.3	R	33.3	U	33.3
Ethylbenzene	U	5.00	U	31.3	R	33.3	U	33.3
p&m-Xylene	U	10.0	U	62.5	R	66.7	U	66.7
o-Xylene	U	5.00	U	31.3	R	33.3	U	33.3
Styrene	U	5.00	U	31.3	R	33.3	U	33.3
Isopropylbenzene	U	5.00	U	31.3	R	33.3	U	33.3
1,1,2,2-Tetrachloroethane	U	5.00	U	31.3	R	33.3	U	33.3
1,2,3-Trichloropropane	U	5.00	U	31.3	R	33.3	U	33.3
n-Propylbenzene	U	5.00	U	31.3	R	33.3	U	33.3
Bromobenzene	U	5.00	U	31.3	R	33.3	U	33.3
1,3,5-Trimethylbenzene	U	5.00	U	31.3	R	33.3	U	33.3
2-Chlorotoluene	U	5.00	U	31.3	R	33.3	U	33.3
4-Chlorotoluene	U	5.00	U	31.3	R	33.3	U	33.3
tert-Butylbenzene	U	5.00	U	31.3	R	33.3	U	33.3
1,2,4-Trimethylbenzene	U	5.00	U	31.3	R	33.3	U	33.3
sec-Butylbenzene	U	5.00	U	31.3	R	33.3	U	33.3
p-Isopropyltoluene	U	5.00	U	31.3	R	33.3	U	33.3
1,3-Dichlorobenzene	U	5.00	U	31.3	R	33.3	U	33.3
1,4-Dichlorobenzene	U	5.00	U	31.3	R	33.3	U	33.3
n-Butylbenzene	U	5.00	U	31.3	R	33.3	U	33.3
1,2-Dichlorobenzene	U	5.00	U	31.3	R	33.3	U	33.3
1,2-Dibromo-3-chloropropane	U	20.3	U	127	R	135	U	135
1,2,4-Trichlorobenzene	U	5.00	U	31.3	R	33.3	U	33.3
Hexachlorobutadiene	U	5.00	U	31.3	R	33.3	U	33.3
Naphthalene	U	5.00	U	31.3	R	33.3	U	33.3
1,2,3-Trichlorobenzene	U	5.00	U	31.3	R	33.3	U	33.3

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

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Sample # :	Soil Blank B 120805-1		0-0165-0660 LV-BLDG14(DR)		0-0165-0661 LV-BLDG15(0-2)		0-0165-0662 LV-BLDG15(2-4)	
	Location :	% Solid :	100 Conc. ug/kg	RL ug/kg	79 Conc. ug/kg	RL ug/kg	74 Conc. ug/kg	RL ug/kg
Compound								
Dichlorodifluoromethane	U	5.00	U	31.6	U	33.8	U	31.6
Chloromethane	U	5.00	U	31.6	U	33.8	U	31.6
Vinyl Chloride	U	5.00	U	31.6	U	33.8	U	31.6
Bromomethane	U	5.00	U	31.6	U	33.8	U	31.6
Chloroethane	U	5.00	U	31.6	U	33.8	U	31.6
Trichlorofluoromethane	U	5.00	U	31.6	U	33.8	U	31.6
Acetone	U	20.0	U	127	U	135	U	127
1,1-Dichloroethane	U	5.00	U	31.6	U	33.8	U	31.6
Methylene Chloride	U	5.00	U	31.6	U	33.8	U	31.6
Carbon Disulfide	U	5.00	U	31.6	U	33.8	U	31.6
Methyl-t-butyl Ether	U	5.00	U	31.6	U	33.8	U	31.6
trans-1,2-Dichloroethene	U	5.00	U	31.6	U	33.8	U	31.6
1,1-Dichloroethane	U	5.00	U	31.6	U	33.8	U	31.6
2-Butanone	U	5.00	U	31.6	U	33.8	U	31.6
2,2-Dichloropropane	U	5.00	U	31.6	U	33.8	U	31.6
cis-1,2-Dichloroethene	U	5.00	U	31.6	U	33.8	U	31.6
Chloroform	U	5.00	U	31.6	U	33.8	U	31.6
1,1-Dichloropropene	U	5.00	U	31.6	U	33.8	U	31.6
1,2-Dichloroethane	U	5.00	U	31.6	U	33.8	U	31.6
1,1,1-Trichloroethane	U	5.00	U	31.6	U	33.8	U	31.6
Carbon Tetrachloride	U	5.00	U	31.6	U	33.8	U	31.6
Benzene	U	5.00	U	31.6	U	33.8	U	31.6
Trichloroethene	U	5.00	62.6	31.6	177	33.8	9.41	J 31.6
1,2-Dichloropropane	U	5.00	U	31.6	U	33.8	U	31.6
Bromodichloromethane	U	5.00	U	31.6	U	33.8	U	31.6
Dibromomethane	U	5.00	U	31.6	U	33.8	U	31.6
cis-1,3-Dichloropropene	U	5.00	U	31.6	U	33.8	U	31.6
trans-1,3-Dichloropropene	U	5.00	U	31.6	U	33.8	U	31.6
1,1,2-Trichloroethane	U	5.00	U	31.6	U	33.8	U	31.6
1,3-Dichloropropane	U	5.00	U	31.6	U	33.8	U	31.6
Dibromochloromethane	U	5.00	U	31.6	U	33.8	U	31.6
1,2-Dibromoethane	U	5.00	U	31.6	U	33.8	U	31.6
Bromoform	U	5.00	U	31.6	U	33.8	U	31.6
4-Methyl-2-pentanone	J	5.00	U	31.6	U	33.8	U	31.6
Toluene	U	5.00	U	31.6	9.37	J 33.8	U	31.6
2-Hexanone	U	5.00	U	31.6	U	33.8	U	31.6
Tetrachloroethene	U	5.00	U	31.6	U	33.8	U	31.6
Chlorobenzene	U	5.00	U	31.6	13.0	J 33.8	U	31.6
1,1,1,2-Tetrachloroethane	U	5.00	U	31.6	U	33.8	U	31.6
Ethylbenzene	U	5.00	U	31.6	U	33.8	U	31.6
p&m-Xylene	U	10.0	U	63.3	U	67.6	U	63.3
o-Xylene	U	5.00	U	31.6	U	33.8	U	31.6
Styrene	U	5.00	U	31.6	U	33.8	U	31.6
Isopropylbenzene	U	5.00	U	31.6	U	33.8	U	31.6
1,1,2,2-Tetrachloroethane	U	5.00	U	31.6	U	33.8	U	31.6
1,2,3-Trichloropropane	U	5.00	U	31.6	U	33.8	U	31.6
n-Propylbenzene	U	5.00	U	31.6	U	33.8	U	31.6
Bromobenzene	U	5.00	U	31.6	U	33.8	U	31.6
1,3,5-Trimethylbenzene	U	5.00	U	31.6	U	33.8	U	31.6
2-Chlorotoluene	U	5.00	U	31.6	U	33.8	U	31.6
4-Chlorotoluene	U	5.00	U	31.6	U	33.8	U	31.6
tert-Butylbenzene	U	5.00	U	31.6	U	33.8	U	31.6
1,2,4-Trimethylbenzene	U	5.00	U	31.6	U	33.8	U	31.6
sec-Butylbenzene	U	5.00	U	31.6	U	33.8	U	31.6
p-Isopropyltoluene	U	5.00	U	31.6	U	33.8	U	31.6
1,3-Dichlorobenzene	U	5.00	U	31.6	U	33.8	U	31.6
1,4-Dichlorobenzene	U	5.00	U	31.6	U	33.8	U	31.6
n-Butylbenzene	U	5.00	U	31.6	U	33.8	U	31.6
1,2-Dichlorobenzene	U	5.00	U	31.6	U	33.8	U	31.6
1,2-Dibromo-3-chloropropane	U	20.3	U	128	U	137	U	128
1,2,4-Trichlorobenzene	U	5.00	U	31.6	U	33.8	U	31.6
Hexachlorobutadiene	U	5.00	U	31.6	U	33.8	U	31.6
Naphthalene	J	5.00	U	31.6	U	33.8	U	31.6
1,2,3-Trichlorobenzene	U	5.00	U	31.6	U	33.8	U	31.6

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

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Sample # :	Soil Blank B 121205-1		0-0165-0646		0-0165-0657		0-0165-0652	
	100		83		79		89	
Location :			LV-BLDG7(0-2)		LV-BLDG12(2-4)		LV-BLDG10(1-3)	
% Solid :								
Compound	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dichlorodifluoromethane	U	5.00	U	30.1	U	31.6	U	28.1
Chloromethane	U	5.00	U	30.1	U	31.6	U	28.1
Vinyl Chloride	U	5.00	U	30.1	U	31.6	U	28.1
Bromomethane	U	5.00	U	30.1	U	31.6	U	28.1
Chloroethane	U	5.00	U	30.1	U	31.6	U	28.1
Trichlorofluoromethane	U	5.00	U	30.1	U	31.6	U	28.1
Acetone	U	20.0	U	120	U	127	U	112
1,1-Dichloroethene	U	5.00	U	30.1	U	31.6	U	28.1
Methylene Chloride	U	5.00	U	30.1	U	31.6	U	28.1
Carbon Disulfide	U	5.00	U	30.1	U	31.6	U	28.1
Methyl-t-butyl Ether	U	5.00	U	30.1	U	31.6	U	28.1
trans-1,2-Dichloroethene	U	5.00	U	30.1	U	31.6	U	28.1
1,1-Dichloroethane	U	5.00	U	30.1	U	31.6	U	28.1
2-Butanone	U	5.00	U	30.1	U	31.6	U	28.1
2,2-Dichloropropane	U	5.00	U	30.1	U	31.6	U	28.1
cis-1,2-Dichloroethene	U	5.00	U	30.1	U	31.6	U	28.1
Chloroform	U	5.00	U	30.1	U	31.6	U	28.1
1,1-Dichloropropene	U	5.00	U	30.1	U	31.6	U	28.1
1,2-Dichloroethane	U	5.00	U	30.1	U	31.6	U	28.1
1,1,1-Trichloroethane	U	5.00	U	30.1	U	31.6	U	28.1
Carbon Tetrachloride	U	5.00	U	30.1	U	31.6	U	28.1
Benzene	U	5.00	U	30.1	U	31.6	U	28.1
Trichloroethene	U	5.00	40.0	30.1	21.9 J	31.6	U	28.1
1,2-Dichloropropane	U	5.00	U	30.1	U	31.6	U	28.1
Bromodichloromethane	U	5.00	U	30.1	U	31.6	U	28.1
Dibromomethane	U	5.00	U	30.1	U	31.6	U	28.1
cis-1,3-Dichloropropene	U	5.00	U	30.1	U	31.6	U	28.1
trans-1,3-Dichloropropene	U	5.00	U	30.1	U	31.6	U	28.1
1,1,2-Trichloroethane	U	5.00	U	30.1	U	31.6	U	28.1
1,3-Dichloropropane	U	5.00	U	30.1	U	31.6	U	28.1
Dibromochloromethane	U	5.00	U	30.1	U	31.6	U	28.1
1,2-Dibromoethane	U	5.00	U	30.1	U	31.6	U	28.1
Bromoform	U	5.00	U	30.1	U	31.6	U	28.1
4-Methyl-2-pentanone	U	23.5	U	142	U	149	U	132
Toluene	U	5.00	U	30.1	U	31.6	U	28.1
2-Hexanone	U	21.7	U	131	U	137	U	122
Tetrachloroethene	U	5.00	U	30.1	U	31.6	U	28.1
Chlorobenzene	U	5.00	U	30.1	U	31.6	U	28.1
1,1,1,2-Tetrachloroethane	U	5.00	U	30.1	U	31.6	U	28.1
Ethylbenzene	U	5.00	U	30.1	U	31.6	U	28.1
p&m-Xylene	U	10.0	U	60.2	U	63.3	U	56.2
o-Xylene	U	5.00	U	30.1	U	31.6	U	28.1
Styrene	U	5.00	U	30.1	U	31.6	U	28.1
Isopropylbenzene	U	5.00	U	30.1	U	31.6	U	28.1
1,1,2,2-Tetrachloroethane	U	5.00	U	30.1	U	31.6	U	28.1
1,2,3-Trichloropropane	U	5.00	U	30.1	U	31.6	U	28.1
n-Propylbenzene	U	5.00	U	30.1	U	31.6	U	28.1
Bromobenzene	U	5.00	U	30.1	U	31.6	U	28.1
1,3,5-Trimethylbenzene	U	5.00	U	30.1	U	31.6	U	28.1
2-Chlorotoluene	U	5.00	U	30.1	U	31.6	U	28.1
4-Chlorotoluene	U	5.00	U	30.1	U	31.6	U	28.1
tert-Butylbenzene	U	5.00	U	30.1	U	31.6	U	28.1
1,2,4-Trimethylbenzene	U	5.00	U	30.1	U	31.6	U	28.1
sec-Butylbenzene	U	5.00	U	30.1	U	31.6	U	28.1
p-Isopropyltoluene	U	5.00	U	30.1	U	31.6	U	28.1
1,3-Dichlorobenzene	U	5.00	U	30.1	U	31.6	U	28.1
1,4-Dichlorobenzene	U	5.00	U	30.1	U	31.6	U	28.1
n-Butylbenzene	U	5.00	U	30.1	U	31.6	U	28.1
1,2-Dichlorobenzene	U	5.00	U	30.1	U	31.6	U	28.1
1,2-Dibromo-3-chloropropane	U	26.8	U	161	U	170	U	151
1,2,4-Trichlorobenzene	U	5.00	U	30.1	U	31.6	U	28.1
Hexachlorobutadiene	U	5.00	U	30.1	U	31.6	U	28.1
Naphthalene	U	5.00	U	30.1	U	31.6	U	28.1
1,2,3-Trichlorobenzene	U	5.00	U	30.1	U	31.6	U	28.1

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

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Sample # :	Soil Blank B 1211305-2		0-0165-0665 LV-BLDG17(2-4)		0-0165-0666 LV-BLDG17(2-4)D		0-0165-0664 LV-BLDG17(0-2)	
	Location :	% Solid :	100 Conc. ug/kg	RL ug/kg	80 Conc. ug/kg	RL ug/kg	80 Conc. ug/kg	RL ug/kg
Compound								
Dichlorodifluoromethane	U	5.00	U	31.3	U	31.3	U	31.3
Chloromethane	U	5.00	U	31.3	U	31.3	U	31.3
Vinyl Chloride	U	5.00	U	31.3	U	31.3	U	31.3
Bromomethane	U	5.00	U	31.3	U	31.3	U	31.3
Chloroethane	U	5.00	U	31.3	U	31.3	U	31.3
Trichlorofluoromethane	U	5.00	U	31.3	U	31.3	U	31.3
Acetone	U	20.0	U	125	U	125	U	125
1,1-Dichloroethene	U	5.00	U	31.3	U	31.3	U	31.3
Methylene Chloride	U	5.00	U	31.3	U	31.3	U	31.3
Carbon Disulfide	U	5.00	U	31.3	U	31.3	U	31.3
Methyl-t-butyl Ether	U	5.00	U	31.3	U	31.3	U	31.3
trans-1,2-Dichloroethene	U	5.00	U	31.3	U	31.3	U	31.3
1,1-Dichloroethane	U	5.00	U	31.3	U	31.3	U	31.3
2-Butanone	U	5.00	U	31.3	U	31.3	U	31.3
2,2-Dichloropropane	U	5.00	U	31.3	U	31.3	U	31.3
cis-1,2-Dichloroethene	U	5.00	U	31.3	U	31.3	U	31.3
Chloroform	U	5.00	U	31.3	U	31.3	U	31.3
1,1-Dichloropropene	U	5.00	U	31.3	U	31.3	U	31.3
1,2-Dichloroethane	U	5.00	U	31.3	U	31.3	U	31.3
1,1,1-Trichloroethane	U	5.00	U	31.3	U	31.3	U	31.3
Carbon Tetrachloride	U	5.00	U	31.3	U	31.3	U	31.3
Benzene	U	5.00	U	31.3	U	31.3	U	31.3
Trichloroethene	U	5.00	U	31.3	U	31.3	144	31.3
1,2-Dichloropropane	U	5.00	U	31.3	U	31.3	U	31.3
Bromodichloromethane	U	5.00	U	31.3	U	31.3	U	31.3
Dibromomethane	U	5.00	U	31.3	U	31.3	U	31.3
cis-1,3-Dichloropropene	U	5.00	U	31.3	U	31.3	U	31.3
trans-1,3-Dichloropropene	U	5.00	U	31.3	U	31.3	U	31.3
1,1,2-Trichloroethane	U	5.00	U	31.3	U	31.3	U	31.3
1,3-Dichloropropane	U	5.00	U	31.3	U	31.3	U	31.3
Dibromochloromethane	U	5.00	U	31.3	U	31.3	U	31.3
1,2-Dibromoethane	U	5.00	U	31.3	U	31.3	U	31.3
Bromoform	U	5.00	U	31.3	U	31.3	U	31.3
4-Methyl-2-pentanone	U	23.5	U	147	U	147	U	147
Toluene	U	5.00	U	31.3	U	31.3	U	31.3
2-Hexanone	U	21.7	U	136	U	136	U	136
Tetrachloroethene	U	5.00	U	31.3	U	31.3	U	31.3
Chlorobenzene	U	5.00	U	31.3	U	31.3	U	31.3
1,1,1,2-Tetrachloroethane	U	5.00	U	31.3	U	31.3	U	31.3
Ethylbenzene	U	5.00	U	31.3	U	31.3	U	31.3
p&m-Xylene	U	10.0	U	62.5	U	62.5	U	62.5
o-Xylene	U	5.00	U	31.3	U	31.3	U	31.3
Styrene	U	5.00	U	31.3	U	31.3	U	31.3
Isopropylbenzene	U	5.00	U	31.3	U	31.3	U	31.3
1,1,2,2-Tetrachloroethane	U	5.00	U	31.3	U	31.3	U	31.3
1,2,3-Trichloropropane	U	5.00	U	31.3	U	31.3	U	31.3
n-Propylbenzene	U	5.00	U	31.3	U	31.3	U	31.3
Bromobenzene	U	5.00	U	31.3	U	31.3	U	31.3
1,3,5-Trimethylbenzene	U	5.00	U	31.3	U	31.3	U	31.3
2-Chlorotoluene	U	5.00	U	31.3	U	31.3	U	31.3
4-Chlorotoluene	U	5.00	U	31.3	U	31.3	U	31.3
tert-Butylbenzene	U	5.00	U	31.3	U	31.3	U	31.3
1,2,4-Trimethylbenzene	U	5.00	U	31.3	U	31.3	U	31.3
sec-Butylbenzene	U	5.00	U	31.3	U	31.3	U	31.3
p-Isopropyltoluene	U	5.00	U	31.3	U	31.3	U	31.3
1,3-Dichlorobenzene	U	5.00	U	31.3	U	31.3	U	31.3
1,4-Dichlorobenzene	U	5.00	U	31.3	U	31.3	U	31.3
n-Butylbenzene	U	5.00	U	31.3	U	31.3	U	31.3
1,2-Dichlorobenzene	U	5.00	U	31.3	U	31.3	U	31.3
1,2-Dibromo-3-chloropropane	U	26.8	U	168	U	168	U	168
1,2,4-Trichlorobenzene	U	5.00	U	31.3	U	31.3	U	31.3
Hexachlorobutadiene	U	5.00	U	31.3	U	31.3	U	31.3
Naphthalene	U	5.00	U	31.3	U	31.3	U	31.3
1,2,3-Trichlorobenzene	U	5.00	U	31.3	U	31.3	U	31.3

Table 1.1 (cont.) Results of the Analysis for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

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Sample # :	Soil Blank B 121305-1		0-0165-0663	
	100		84	
Location :	Conc.		Conc.	
% Solid :	ug/kg	RL	ug/kg	RL
Compound	ug/kg	ug/kg	ug/kg	ug/kg
Dichlorodifluoromethane	U	5.00	U	29.8
Chloromethane	U	5.00	U	29.8
Vinyl Chloride	U	5.00	U	29.8
Bromomethane	U	5.00	U	29.6
Chloroethane	U	5.00	U	29.8
Trichlorofluoromethane	U	5.00	U	29.8
Acetone	U	20.0	U	119.0
1,1-Dichloroethene	U	5.00	U	29.8
Methylene Chloride	U	5.00	U	29.8
Carbon Disulfide	U	5.00	U	29.8
Methyl-t-butyl Ether	U	5.00	U	29.8
trans-1,2-Dichloroethene	U	5.00	U	29.8
1,1-Dichloroethane	U	5.00	U	29.8
2-Butanone	U	5.00	U	29.8
2,2-Dichloropropane	U	5.00	U	29.8
cis-1,2-Dichloroethene	U	5.00	U	29.8
Chloroform	U	5.00	U	29.8
1,1-Dichloropropene	U	5.00	U	29.8
1,2-Dichloroethane	U	5.00	U	29.8
1,1,1-Trichloroethane	U	5.00	U	29.8
Carbon Tetrachloride	U	5.00	U	29.8
Benzene	U	5.00	U	29.8
Trichloroethene	U	5.00	125.0	29.8
1,2-Dichloropropane	U	5.00	U	29.8
Bromodichloromethane	U	5.00	U	29.8
Dibromomethane	U	5.00	U	29.8
cis-1,3-Dichloropropene	U	5.00	U	29.8
trans-1,3-Dichloropropene	U	5.00	U	29.8
1,1,2-Trichloroethane	U	5.00	U	29.8
1,3-Dichloropropane	U	5.00	U	29.8
Dibromochloromethane	U	5.00	U	29.8
1,2-Dibromoethane	U	5.00	U	29.8
Bromoform	U	5.00	U	29.8
4-Methyl-2-pentanone	U	23.5	U	140
Toluene	U	5.00	U	29.8
2-Hexanone	U	21.7	U	129
Tetrachloroethene	U	5.00	U	29.8
Chlorobenzene	U	5.00	U	29.8
1,1,1,2-Tetrachloroethane	U	5.00	U	29.8
Ethylbenzene	U	5.00	U	29.8
p&m-Xylene	U	10.0	U	59.5
o-Xylene	U	5.00	U	29.8
Styrene	U	5.00	U	29.8
Isopropylbenzene	U	5.00	U	29.8
1,1,2,2-Tetrachloroethane	U	5.00	U	29.8
1,2,3-Trichloropropane	U	5.00	U	29.8
n-Propylbenzene	U	5.00	U	29.8
Bromobenzene	U	5.00	U	29.8
1,3,5-Trimethylbenzene	U	5.00	U	29.8
2-Chlorotoluene	U	5.00	U	29.8
4-Chlorotoluene	U	5.00	U	29.8
tert-Butylbenzene	U	5.00	U	29.8
1,2,4-Trimethylbenzene	U	5.00	U	29.8
sec-Butylbenzene	U	5.00	U	29.8
p-isopropyltoluene	U	5.00	U	29.8
1,3-Dichlorobenzene	U	5.00	U	29.8
1,4-Dichlorobenzene	U	5.00	U	29.8
n-Butylbenzene	U	5.00	U	29.8
1,2-Dichlorobenzene	U	5.00	U	29.8
1,2-Dibromo-3-chloropropane	U	26.8	U	160
1,2,4-Trichlorobenzene	U	5.00	U	29.8
Hexachlorobutadiene	U	5.00	U	29.8
Naphthalene	U	5.00	U	29.8
1,2,3-Trichlorobenzene	U	5.00	U	29.8



Table 1.2 Results of the TIC for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site

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Sample #	Results
Soil Blank B 120105-1	No TICs found
0-0165-0601/5x	No TICs found
0-0165-0604/5x	No TICs found
0-0165-0602/5x	No TICs found
0-0165-0603/5x	No TICs found
Soil Blank B 120205-1	No TICs found
0-0165-0605/5x	No TICs found
0-0165-0606/5x	No TICs found
0-0165-0607/5x	No TICs found
Soil Blank B 120305-1	No TICs found
0-0165-0608/5x	No TICs found
0-0165-0609/5x	No TICs found
0-0165-0612/5x	No TICs found
0-0165-0613/5x	No TICs found
0-0165-0614/5x	No TICs found
0-0165-0615/5x	No TICs found
0-0165-0616/5x	No TICs found
0-0165-0617/5x	No TICs found
0-0165-0618/5x	No TICs found
0-0165-0619/5x	No TICs found
Soil Blank B 120505-1	No TICs found
0-0165-0620/5x	No TICs found
0-0165-0621/5x	No TICs found
0-0165-0622/5x	No TICs found
0-0165-0625/5x	No TICs found
0-0165-0626/5x	No TICs found
0-0165-0627/5x	No TICs found
0-0165-0628/5x	No TICs found
0-0165-0630/5x	No TICs found
Soil Blank B 120605-1	No TICs found
0-0165-0611/5x	No TICs found
0-0165-0623/5x	No TICs found
0-0165-0624/5x	No TICs found
0-0165-0631/5x	No TICs found
Soil Blank B 120705-2	No TICs found
0-0165-0632/5x	No TICs found
0-0165-0634/5x	No TICs found
0-0165-0636/5x	No TICs found
0-0165-0637/5x	No TICs found
0-0165-0638/5x	No TICs found
0-0165-0639/5x	No TICs found
0-0165-0640/5x	No TICs found

Table 1.2 (cont.) Results of the TIC for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807

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Sample #	Results
Soil Blank B 120705-1	No TICs found
0-0165-0635/5x	No TICs found
0-0165-0643/5x	No TICs found
0-0165-0644/5x	No TICs found
0-0165-0645/5x	No TICs found
0-0165-0647/5x	No TICs found
0-0165-0648/5x	No TICs found
0-0165-0649/5x	No TICs found
0-0165-0650/5x	No TICs found
0-0165-0651/5x	No TICs found
Soil Blank B 120805-1	No TICs found
0-0165-0667/5x	No TICs found
0-0165-0653/5x	No TICs found
0-0165-0654/5x	No TICs found
0-0165-0655/5x	No TICs found
0-0165-0656/5x	No TICs found
0-0165-0658/5x	No TICs found
0-0165-0659/5x	No TICs found
0-0165-0660/5x	No TICs found
0-0165-0661/5x	No TICs found
0-0165-0662/5x	No TICs found
Soil Blank B 121205-1	No TICs found
0-0165-0646/5x	No TICs found
0-0165-0657/5x	No TICs found
0-0165-0652/5x	No TICs found
Soil Blank B 121305-1	No TICs found
0-0165-0665/5x	No TICs found
0-0165-0666/5x	No TICs found
0-0165-0664/5x	No TICs found
Soil Blank B 121305-1	No TICs found
0-0165-0663/5x	No TICs found

Table 1.2 (cont.) Results of the TIC for VOC in Soil  
 WA # 0-165 Little Valley Superfund Site

Method REAC SOP 1807

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Sample #	Compound	Ret. Time (min.)	Concentration (ug/kg)*
0-0165-0610/5x	Unknown	9.59	39.0
0-0165-0629	C8H16 Alkene	12.93	74.0
	C8H16 Cycloalkane	13.72	47.3
	C8H16 Cycloalkane	14.49	189
	C9H20 Alkane	14.61	53.1
	C9H18 Cycloalkane	14.82	92.0
	C9H18 Cycloalkane	16.29	34.3
0-0165-0641	Methylnaphthalene isomer	26.16	823
	Methylnaphthalene isomer	26.69	589
	Biphenyl	28.02	34.9
	Dimethylnaphthalene isomer	28.63	102
	Dimethylnaphthalene isomer	29.19	125
0-0165-0642	Methylnaphthalene isomer	26.16	38.7
0-0165-0633	Ethyl methyl benzene isomer	17.89	16.6

\* Estimated Concentration (Response factor = 1)

Table 2.1 Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Analysis Date 12/01/05		IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
File ID	Sample No.						
BV3225.D	Soil Blank B 120105	161609	1400266	707438	103	103	102
BV3226.D	LCS BS 54	162388	1424806	724343	102	102	103
BV3227.D	0-0165-0601/5x	154262	1244916	519940	102	121	76
BV3229.D	0-0165-0604/5x	147859	1296746	656267	102	104	102
BV3230.D	0-0165-0604/5x ms	136277	1306711	641366	100	104	101
BV3231.D	0-0165-0604/5x msd	131084	1282065	622131	99	105	101
BV3232.D	0-0165-0602/5x	152963	1302715	653160	100	104	103
BV3233.D	0-0165-0603/5x	142696	1192528	552025	99	112	92
Cal Check Area	BV3219.D	162387	1398840	756997			

Analysis Date 12/02/05		IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
File ID	Sample No.						
BV3240.D	Soil Blank B 120205-1	161252	1399450	725877	107	101	100
BV3241.D	LCS BS 55	160567	1423038	735217	107	100	101
BV3242.D	0-0165-0605/5x	144036	1229448	573628	108	111	88
BV3243.D	0-0165-0606/5x	148455	1290334	652635	107	104	97
BV3244.D	0-0165-0607/5x	133431	1160850	565522	106	108	94
Cal Check Area	BV3239.D	152297	1333700	732446			

Analysis Date 12/03/05		IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
File ID	Sample No.						
BV3261.D	Soil Blank 120305-1	136318	1238897	639296	107	102	101
BV3262.D	0-0165-0608/5x	134101	1135087	565652	106	107	95
BV3263.D	0-0165-0609/5x	130216	1132759	542051	107	111	91
BV3264.D	0-0165-0610/5x	123653	1055668	504101	111	113	87
BV3266.D	0-0165-0612/5x	108380	919355	431951	107	111	86
BV3267.D	0-0165-0613/5x	127463	1114783	574733	108	103	100
BV3268.D	0-0165-0614/5x	118166	1030144	500734	107	110	90
BV3269.D	0-0165-0615/5x	121515	1045772	517610	108	107	94
BV3270.D	0-0165-0615/5x ms	123722	1139528	553830	108	105	93
BV3271.D	0-0165-0615/5x msd	135739	1230994	612651	108	104	94
BV3272.D	0-0165-0616/5x	118108	1029861	526535	110	104	98
BV3273.D	0-0165-0617/5x	126326	1096339	574582	109	102	99
BV3274.D	0-0165-0618/5x	118928	1037048	483717	111	112	87
BV3275.D	0-0165-0619/5x	124226	1095163	568083	111	102	98
Cal Check Area	BV3259.D	148944	1292120	709628			

IS	Compound	Surrogate	Surrogate Limits	Soil
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	70-121
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	84-138
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	59-113

Table 2.1 (cont.) Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Analysis Date 12/05/05		IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
File ID	Sample No.						
BV3286.D	Soil Blank B 120505	124207	1140468	579750	96	102	109
BV3287.D	LCS BS 56	127842	1155719	591630	96	101	109
BV3291.D	0-0165-0620/5x	100128	870821	432743	97	105	105
BV3292.D	0-0165-0621/5x	108843	922642	453777	97	106	103
BV3293.D	0-0165-0622/5x	107902	904374	445980	95	106	96
BV3295.D	0-0165-0625/5x	104402	909717	478846	98	102	110
BV3296.D	0-0165-0626/5x	104794	926226	480941	98	104	108
BV3297.D	0-0165-0627/5x	96493	840215	443782	99	103	105
BV3298.D	0-0165-0628/5x	108220	939975	497921	99	102	112
BV3299.D	0-0165-0629/5x	104051	891132	523842	99	103	84
BV3300.D	0-0165-0630/5x	108942	937673	486816	100	104	95
Cal Check Area	BV3285.D	129778	1128510	608080			

Analysis Date 12/06/05		IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
File ID	Sample No.						
BV3312.D	Soil Blank B 120605-1	123599	1125816	626187	104	103	99
BV3313.D	LCS BS 57	122727	1143911	643355	103	101	99
BV3314.D	0-0165-0611/5x	111224	980284	535803	105	106	94
BV3315.D	0-0165-0623/5x	104425	928214	510794	106	105	95
BV3316.D	0-0165-0623/5x ms	96640	1001644	544933	105	104	96
BV3317.D	0-0165-0623/5x msd	95050	995370	534321	104	105	93
BV3318.D	0-0165-0624/5x	103227	890175	477631	107	109	86
BV3319.D	0-0165-0631/5x	106103	934526	522221	108	107	92
Cal Check Area	BV3306.D	129115	1135460	670034			

Analysis Date 12/07/05		IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
File ID	Sample No.						
BV3327.D	Soil Blank B 120705-2	102975	927924	541577	106	102	97
BV3328.D	0-0165-0632/5x	99304	885372	516823	110	101	97
BV3329.D	0-0165-0632/5x ms	86452	920668	514696	106	102	95
BV3330.D	0-0165-0632/5x msd	88475	894206	507962	108	102	96
BV3331.D	0-0165-0634	102111	890660	538388	111	99	98
BV3333.D	0-0165-0636	88575	798616	476024	109	101	95
BV3334.D	0-0165-0637/5x	97777	879610	515400	111	103	92
BV3335.D	0-0165-0638/5x	93939	822236	493325	111	100	95
BV3336.D	0-0165-0639/5x	90235	791482	432426	113	106	85
BV3337.D	0-0165-0640/5x	92131	829592	459291	113	108	86
BV3338.D	0-0165-0641/5x	125094	945477	466499	98	119	87
BV3339.D	0-0165-0641/5x ms	123488	1057525	512144	99	116	88
BV3340.D	0-0165-0641/5x msd	131635	1159808	551702	96	115	87
BV3341.D	0-0165-0642/5x	156142	1215956	606889	96	112	89
Cal Check Area	BV3325.D	114492	1036670	638304			

		Surrogate Limits	Soil
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4 70-121
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8 84-138
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene 59-113

Table 2.1 (cont.) Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Analysis Date 12/07/05							
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
BV3353.D	Soil Blank B 120705-1	213658	1664740	783999	102	104	98
BV3354.D	0-0165-0633	199870	1506044	723713	103	103	103
BV3355.D	0-0165-0635	189914	1474080	691434	105	106	98
BV3356.D	0-0165-0643/5x	185063	1358000	603288	105	109	92
BV3357.D	0-0165-0644/5x	181235	1398058	659839	104	105	98
BV3358.D	0-0165-0645/5x	167147	1290475	600587	103	107	95
BV3360.D	0-0165-0647/5x	149628	990072	309230 *	104	156 *	54 *
BV3361.D	0-0165-0648/5x	178588	1368719	677523	107	103	97
BV3362.D	0-0165-0649/5x	168122	1248820	564757	105	111	89
BV3363.D	0-0165-0650/5x	170110	1276935	613407	106	105	96
BV3364.D	0-0165-0651/5x	170379	1323908	630436	106	106	95
Cal Check Area	BV3350.D	249820	1933590	966313			

Analysis Date 12/08/05							
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
BV3369.D	Soil Blank B 120805-1	198912	1485092	720303	107	103	97
BV3370.D	0-0165-0667/5x	173030	1348251	637744	104	106	95
BV3371.D	0-0165-0667/5x ms	163488	1447208	668430	105	105	94
BV3372.D	0-0165-0667/5x msd	155651	1423813	647659	105	106	93
BV3373.D	0-0165-0653/5x	167722	1263512	574026	108	112	88
BV3374.D	0-0165-0654/5x	170795	1296632	622369	109	105	95
BV3375.D	0-0165-0655/5x	167493	1291140	625160	108	105	95
BV3376.D	0-0165-0656/5x	163192	1245639	551773	109	115	81
BV3380.D	0-0165-0658/5x	151931	1050051	340147 *	108	131	65
BV3381.D	0-0165-0659/5x	163853	1245542	527989	107	117	78
BV3382.D	0-0165-0660/5x	167724	1245120	567545	108	110	89
BV3383.D	0-0165-0661/5x	174577	1297687	607415	109	109	91
BV3384.D	0-0165-0662/5x	170649	1309414	637187	108	104	94
Cal Check Area	BV3368.D	204836	1495280	784744			

Analysis Date 12/12/05							
File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
BV3415.D	Soil Blank B 121205-1	163618	1284179	633221	103	104	96
BV3416.D	0-0165-0646/5x	151086	1101808	519312	105	111	84
BV3417.D	0-0165-0646/5x ms	136058	1173355	537784	102	110	83
BV3418.D	0-0165-0646/5x msd	148845	1169209	543651	105	109	83
BV3419.D	0-0165-0657/5x	151029	1158476	588517	106	105	94
BV3420.D	0-0165-0657/5x ms	120370	1126430	526275	100	107	90
BV3421.D	0-0165-0657/5x msd	136051	1194409	586998	101	104	91
BV3422.D	0-0165-0652/5x	144914	1094960	554747	104	106	95
BV3423.D	0-0165-0658/5x (conf.)	127484	865047	336819 *	105	122	70
Cal Check Area	BV3409.D	168343	1367760	728075			

			Surrogate Limits	Soil
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	70-121
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	84-138
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	59-113

Table 2.1 (cont.) Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Analysis Date 12/13/05		IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
File ID	Sample No.						
BV3431.D	Soil Blank B 121305-2	148671	1137241	578290	105	104	95
BV3432.D	0-0165-0665/5x	140984	1085285	553573	105	105	94
BV3433.D	0-0165-0666/5x	139863	1073851	547985	106	105	92
BV3434.D	0-0165-0664/5x	145682	1105922	565283	106	106	89
BV3435.D	0-0165-0647/5x (conf.)	123449	792404	283539 *	107	144 *	55 *
Cal Check Area		BV3429.D	166564	1254960	692092		

Analysis Date 12/13/05		IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
File ID	Sample No.						
BV3442.D	Soil Blank B 121305-1	151147	1189237	596779	107	104	96
BV3445.D	0-0165-0663/5x	154213	1169045	585196	108	105	88
BV3446.D	LCS BS 59	151246	1172497	658089	108	98	104
BV3447.D	LCSD BS 59	160222	1219871	682841	106	98	104
Cal Check Area		BV3441.D	162338	1207170	680839		

			Surrogate Limits	Soil
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	70-121
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	84-138
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	59-113

Table 2.2 Results of MS/MSD Analysis for Volatile Organics in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Sample No. : 0-0165-0604 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	QC Limits		
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.	RPD	RPD	% Rec.
1,1-Dichloroethene	U	304.9	304.9	329.6	326.9	108	107	1	22	59 - 172
Benzene	U	304.9	304.9	269.5	257.1	88	84	5	21	66 - 142
Trichloroethene	U	304.9	304.9	275.3	265.1	90	87	4	24	62 - 137
Toluene	U	304.9	304.9	303.8	294.0	100	96	3	21	59 - 139
Chlorobenzene	U	304.9	304.9	303.5	291.5	100	96	4	21	60 - 133

Sample No. : 0-0165-0615 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	QC Limits		
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.	RPD	RPD	% Rec.
1,1-Dichloroethene	U	416.7	416.7	499.3	483.1	120	116	3	22	59 - 172
Benzene	U	416.7	416.7	316.4	329.1	76	79	4	21	66 - 142
Trichloroethene	69.7	416.7	416.7	354.0	385.5	68	76	10	24	62 - 137
Toluene	11.9	416.7	416.7	337.8	348.2	78	81	3	21	59 - 139
Chlorobenzene	16.4	416.7	416.7	291.1	307.0	66	70	6	21	60 - 133

Sample No. : 0-0165-0623 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	QC Limits		
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.	RPD	RPD	% Rec.
1,1-Dichloroethene	U	328.9	328.9	371.3	376.9	113	115	2	22	59 - 172
Benzene	U	328.9	328.9	292.6	283.9	89	86	3	21	66 - 142
Trichloroethene	8.7	328.9	328.9	299.7	301.4	88	89	1	24	62 - 137
Toluene	U	328.9	328.9	334.6	327.5	102	100	2	21	59 - 139
Chlorobenzene	U	328.9	328.9	334.3	321.2	102	98	4	21	60 - 133

Sample No. : 0-0165-0632 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	QC Limits		
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.	RPD	RPD	% Rec.
1,1-Dichloroethene	U	284.1	284.1	331.5	286.4	117	101	15	22	59 - 172
Benzene	U	284.1	284.1	241.6	235.2	85	83	3	21	66 - 142
Trichloroethene	U	284.1	284.1	239.9	232.2	84	82	3	24	62 - 137
Toluene	U	284.1	284.1	267.3	257.9	94	91	4	21	59 - 139
Chlorobenzene	U	284.1	284.1	265.5	261.8	93	92	1	21	60 - 133



Table 2.2 (cont.) Results of MS/MSD Analysis for Volatile Organics in Soil  
 WA # 0-165 Little Valley Superfund Site  
 Based on Dry Weight

Sample No. : 0-0165-0641 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	QC Limits		
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.	RPD	RPD	% Rec.
1,1-Dichloroethene	U	320.5	320.5	243.9	219.6	76	69	10	22	59 - 172
Benzene	U	320.5	320.5	230.7	224.9	72	70	3	21	66 - 142
Trichloroethene	1564.9	320.5	320.5	1489.7	1358.0	NC	NC	NC	24	62 - 137
Toluene	U	320.5	320.5	286.7	275.1	89	86	4	21	59 - 139
Chlorobenzene	U	320.5	320.5	269.9	258.9	84	81	4	21	60 - 133

Sample No. : 0-0165-0667 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	QC Limits		
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.	RPD	RPD	% Rec.
1,1-Dichloroethene	U	324.7	324.7	529.8	532.9	163	164	1	22	59 - 172
Benzene	U	324.7	324.7	371.2	367.1	114	113	1	21	66 - 142
Trichloroethene	U	324.7	324.7	380.6	374.2	117	115	2	24	62 - 137
Toluene	U	324.7	324.7	415.5	417.4	128	129	0	21	59 - 139
Chlorobenzene	U	324.7	324.7	397.4	394.8	122	122	1	21	60 - 133

Sample No. : 0-0165-0646 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	QC Limits		
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.	RPD	RPD	% Rec.
1,1-Dichloroethene	U	301.2	301.2	440.6	334.3	146	111	27 *	22	59 - 172
Benzene	U	301.2	301.2	339.5	306.0	113	102	10	21	66 - 142
Trichloroethene	40.0	301.2	301.2	411.8	366.6	123	108	13	24	62 - 137
Toluene	U	301.2	301.2	391.2	336.6	130	112	15	21	59 - 139
Chlorobenzene	U	301.2	301.2	344.0	294.6	114	98	15	21	60 - 133

Sample No. : 0-0165-0657 5X

Compound Name	Sample Conc. (µg/kg)	MS	MSD	MS	MSD	MS	MSD	QC Limits		
		Spike Added (µg/kg)	Spike Added (µg/kg)	Conc. (µg/kg)	Conc. (µg/kg)	% Rec.	% Rec.	RPD	RPD	% Rec.
1,1-Dichloroethene	U	316.5	316.5	537.8	473.4	170	150	13	22	59 - 172
Benzene	U	316.5	316.5	364.3	354.9	115	112	3	21	66 - 142
Trichloroethene	21.9	316.5	316.5	390.3	380.1	116	113	3	24	62 - 137
Toluene	U	316.5	316.5	423.9	395.1	134	125	7	21	59 - 139
Chlorobenzene	U	316.5	316.5	395.6	382.2	125	121	3	21	60 - 133

Table 2.3 Results of LCS Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Sample ID: LCS BS 54

Compound Name	LCS	LCS Conc. (µg/kg)	LCS % Rec.	QC Limits
	Spike Added (µg/kg)			% Rec.
1,1-Dichloroethene	50.0	45.2	90	70 - 130
Benzene	50.0	43.5	87	70 - 130
Trichloroethene	50.0	43.4	87	70 - 130
Toluene	50.0	46.6	93	70 - 130
Chlorobenzene	50.0	47.4	95	70 - 130

Sample ID: LCS BS 55

Compound Name	LCS	LCS Conc. (µg/kg)	LCS % Rec.	QC Limits
	Spike Added (µg/kg)			% Rec.
1,1-Dichloroethene	50.0	53.0	106	70 - 130
Benzene	50.0	43.0	86	70 - 130
Trichloroethene	50.0	42.2	84	70 - 130
Toluene	50.0	45.6	91	70 - 130
Chlorobenzene	50.0	45.9	92	70 - 130

Sample ID: LCS BS 56

Compound Name	LCS	LCS Conc. (µg/kg)	LCS % Rec.	QC Limits
	Spike Added (µg/kg)			% Rec.
1,1-Dichloroethene	50.0	47.8	96	70 - 130
Benzene	50.0	43.9	88	70 - 130
Trichloroethene	50.0	46.7	93	70 - 130
Toluene	50.0	48.0	96	70 - 130
Chlorobenzene	50.0	50.4	101	70 - 130

Sample ID: LCS BS 57

Compound Name	LCS	LCS Conc. (µg/kg)	LCS % Rec.	QC Limits
	Spike Added (µg/kg)			% Rec.
1,1-Dichloroethene	50.0	46.8	94	70 - 130
Benzene	50.0	44.4	89	70 - 130
Trichloroethene	50.0	44.9	90	70 - 130
Toluene	50.0	48.3	97	70 - 130
Chlorobenzene	50.0	49.7	99	70 - 130

Table 2.3 (cont.) Results of LCS Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Sample ID: LCS BS 59	LCS Spike Added	LCS Conc.	LCS % Rec.	QC Limits % Rec.
Compound Name	(µg/kg)	(µg/kg)	Rec.	
Dichlorodifluoromethane	50.0	44.0	88	70 - 130
Chloromethane	50.0	41.8	84	70 - 130
Vinyl Chloride	50.0	54.6	109	70 - 130
Bromomethane	50.0	49.4	99	70 - 130
Chloroethane	50.0	47.6	95	70 - 130
Trichlorofluoromethane	50.0	61.2	122	70 - 130
Acetone	50.0	124.7	249	70 - 130
1,1-Dichloroethene	50.0	56.8	114	70 - 130
Methylene Chloride	50.0	52.7	105	70 - 130
Carbon Disulfide	50.0	41.2	82	70 - 130
Methyl-t-butyl Ether	50.0	48.0	96	70 - 130
trans-1,2-Dichloroethene	50.0	54.1	108	70 - 130
1,1-Dichloroethane	50.0	54.3	109	70 - 130
2-Butanone	50.0	89.2	178	70 - 130
2,2-Dichloropropane	50.0	55.5	111	70 - 130
cis-1,2-Dichloroethene	50.0	55.9	112	70 - 130
Chloroform	50.0	57.0	114	70 - 130
1,1-Dichloropropene	50.0	51.0	102	70 - 130
1,2-Dichloroethane	50.0	58.6	117	70 - 130
1,1,1-Trichloroethane	50.0	55.5	111	70 - 130
Carbon Tetrachloride	50.0	57.0	114	70 - 130
Benzene	50.0	56.3	113	70 - 130
Trichloroethene	50.0	55.7	111	70 - 130
1,2-Dichloropropane	50.0	56.8	114	70 - 130
Bromodichloromethane	50.0	55.5	111	70 - 130
Dibromomethane	50.0	56.6	113	70 - 130
cis-1,3-Dichloropropene	50.0	55.0	110	70 - 130
trans-1,3-Dichloropropene	50.0	64.3	129	70 - 130
1,1,2-Trichloroethane	50.0	59.5	119	70 - 130
1,3-Dichloropropane	50.0	59.6	119	70 - 130
Dibromochloromethane	50.0	58.9	118	70 - 130
1,2-Dibromoethane	50.0	57.2	114	70 - 130
Bromoform	50.0	58.8	118	70 - 130
4-Methyl-2-Pentanone	50.0	49.3	99	70 - 130
Toluene	50.0	55.4	111	70 - 130
2-Hexanone	50.0	77.2	154	70 - 130
Tetrachloroethene	50.0	53.7	107	70 - 130
Chlorobenzene	50.0	56.0	112	70 - 130
1,1,1,2-Tetrachloroethane	50.0	57.6	115	70 - 130
Ethylbenzene	50.0	57.4	115	70 - 130
p&m-Xylene	100.0	117.6	118	70 - 130
o-Xylene	50.0	60.4	121	70 - 130
Styrene	50.0	58.5	117	70 - 130
Isopropylbenzene	50.0	63.0	126	70 - 130
1,1,2,2-Tetrachloroethane	50.0	59.4	119	70 - 130
1,2,3-Trichloropropane	50.0	59.2	118	70 - 130
n-Propylbenzene	50.0	60.4	121	70 - 130
Bromobenzene	50.0	59.4	119	70 - 130
1,3,5-Trimethylbenzene	50.0	61.9	124	70 - 130
2-Chlorotoluene	50.0	59.6	119	70 - 130
4-Chlorotoluene	50.0	61.2	122	70 - 130
tert-Butylbenzene	50.0	62.0	124	70 - 130
1,2,4-Trimethylbenzene	50.0	60.7	121	70 - 130
sec-Butylbenzene	50.0	62.0	124	70 - 130
p-Isopropyltoluene	50.0	61.8	124	70 - 130
1,3-Dichlorobenzene	50.0	59.5	119	70 - 130
1,4-Dichlorobenzene	50.0	60.0	120	70 - 130
n-Butylbenzene	50.0	60.1	120	70 - 130
1,2-Dichlorobenzene	50.0	60.1	120	70 - 130
1,2-Dibromo-3-chloropropane	50.0	54.8	110	70 - 130
1,2,4-Trichlorobenzene	50.0	62.2	124	70 - 130
Hexachlorobutadiene	50.0	61.8	124	70 - 130
Naphthalene	50.0	60.6	121	70 - 130
1,2,3-Trichlorobenzene	50.0	60.7	121	70 - 130

Table 2.3 (cont.) Results of LCS Analysis for VOC in Soil  
WA # 0-165 Little Valley Superfund Site

Sample ID: LCS BSD 59	LCS Spike Added (µg/kg)	LCS Conc. (µg/kg)	LCS % Rec	QC Limits % Rec.
Dichlorodifluoromethane	50.0	43.8	88	70 - 130
Chloromethane	50.0	45.3	91	70 - 130
Vinyl Chloride	50.0	50.6	101	70 - 130
Bromomethane	50.0	48.1	96	70 - 130
Chloroethane	50.0	49.7	99	70 - 130
Trichlorofluoromethane	50.0	57.1	114	70 - 130
Acetone	50.0	126.6	253	70 - 130
1,1-Dichloroethene	50.0	54.7	109	70 - 130
Methylene Chloride	50.0	52.6	105	70 - 130
Carbon Disulfide	50.0	40.5	81	70 - 130
Methyl-t-butyl Ether	50.0	50.6	101	70 - 130
trans-1,2-Dichloroethene	50.0	53.0	106	70 - 130
1,1-Dichloroethane	50.0	54.0	108	70 - 130
2-Butanone	50.0	91.6	183	70 - 130
2,2-Dichloropropane	50.0	53.8	108	70 - 130
cis-1,2-Dichloroethene	50.0	54.3	109	70 - 130
Chloroform	50.0	55.7	111	70 - 130
1,1-Dichloropropene	50.0	49.7	99	70 - 130
1,2-Dichloroethane	50.0	56.9	114	70 - 130
1,1,1-Trichloroethane	50.0	54.9	110	70 - 130
Carbon Tetrachloride	50.0	55.4	111	70 - 130
Benzene	50.0	55.6	111	70 - 130
Trichloroethene	50.0	54.9	110	70 - 130
1,2-Dichloropropane	50.0	56.8	114	70 - 130
Bromodichloromethane	50.0	55.3	111	70 - 130
Dibromomethane	50.0	56.6	113	70 - 130
cis-1,3-Dichloropropene	50.0	54.8	110	70 - 130
trans-1,3-Dichloropropene	50.0	63.1	126	70 - 130
1,1,2-Trichloroethane	50.0	58.4	117	70 - 130
1,3-Dichloropropane	50.0	58.9	118	70 - 130
Dibromochloromethane	50.0	58.2	116	70 - 130
1,2-Dibromoethane	50.0	57.6	115	70 - 130
Bromoform	50.0	57.9	116	70 - 130
4-Methyl-2-Pentanone	50.0	50.1	100	70 - 130
Toluene	50.0	53.9	108	70 - 130
2-Hexanone	50.0	75.9	152	70 - 130
Tetrachloroethene	50.0	51.9	104	70 - 130
Chlorobenzene	50.0	54.8	110	70 - 130
1,1,1,2-Tetrachloroethane	50.0	56.3	113	70 - 130
Ethylbenzene	50.0	55.9	112	70 - 130
p&m-Xylene	100.0	113.1	113	70 - 130
o-Xylene	50.0	58.8	118	70 - 130
Styrene	50.0	56.8	114	70 - 130
Isopropylbenzene	50.0	61.0	122	70 - 130
1,1,2,2-Tetrachloroethane	50.0	58.1	116	70 - 130
1,2,3-Trichloropropane	50.0	57.3	115	70 - 130
n-Propylbenzene	50.0	57.8	116	70 - 130
Bromobenzene	50.0	57.5	115	70 - 130
1,3,5-Trimethylbenzene	50.0	59.2	118	70 - 130
2-Chlorotoluene	50.0	57.9	116	70 - 130
4-Chlorotoluene	50.0	57.1	114	70 - 130
tert-Butylbenzene	50.0	59.8	120	70 - 130
1,2,4-Trmethylbenzene	50.0	58.0	116	70 - 130
sec-Butylbenzene	50.0	59.3	119	70 - 130
p-Isopropyltoluene	50.0	58.8	118	70 - 130
1,3-Dichlorobenzene	50.0	56.9	114	70 - 130
1,4-Dichlorobenzene	50.0	57.7	115	70 - 130
n-Butylbenzene	50.0	56.7	113	70 - 130
1,2-Dichlorobenzene	50.0	58.4	117	70 - 130
1,2-Dibromo-3-chloroprop.	50.0	55.5	111	70 - 130
1,2,4-Trichlorobenzene	50.0	60.4	121	70 - 130
Hexachlorobutadiene	50.0	59.9	120	70 - 130
Naphthalene	50.0	61.6	123	70 - 130
1,2,3-Trichlorobenzene	50.0	59.9	120	70 - 130

**Bernick, Mark B**

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**From:** Sklaney, Christopher L  
**Sent:** Monday, November 14, 2005 4:46 PM  
**To:** Bernick, Mark B  
**Subject:** RE: Verifying the Little Valley VOC analytical request from the Work Assignment Manager

Mark,

You have accurately summarized what was conducted on many of the samples that were analyzed for this project, most notably those samples collected in September 2005. Many or all of the samples analyzed in August 2005 were analyzed without an initial dilution, although I don't know the number that meet this criterion.

I apologize for not getting back to you sooner, as I've been out for the past few weeks.

Thanks,  
Chris

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Christopher Sklaney  
Geologist  
Lockheed Martin/REAC  
2890 Woodbridge Avenue  
Edison, NJ 08837-3679  
732-321-4265 (Phone)  
732-494-4021 (Fax)

-----Original Message-----

**From:** Bernick, Mark B  
**Sent:** Monday, November 07, 2005 5:14 PM  
**To:** Sklaney, Christopher L  
**Cc:** Soroka, Joseph M  
**Subject:** Verifying the Little Valley VOC analytical request from the Work Assignment Manager

Hi Christopher,

I am currently validating the Little Valley VOC Soil analysis. I wanted to confirm that, as per the Work Assignment Manager's request, that many of the samples were analyzed only at a 1:5 dilution in order to accommodate the site trichloroethene action level of 600 µg/kg. Therefore, the target compound reporting limits (RL) for these samples will be elevated by a factor of 5 (25 µg/kg RL for all targets except acetone at 100% solids).

Additionally, if the trichloroethene result exceeds the linear calibration range at the 1:5 dilution, and the site trichloroethene action level of 600 µg/kg, then no further dilution is to be performed, and the trichloroethene results are to be reported as estimated due to exceeding the linear calibration range and flagged "E".

Thank you,  
Mark

CHAIN OF CUSTODY RECORD

No: 0-0165-113005-0005

Site #: 0-0165  
 Contact Name: Chris Skalaney  
 Contact Phone: 732-321-4200

Cooler #:  
 Lab REAC  
 Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
6905	0-0165-0601	LV-N84(0-2)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6906	0-0165-0602	LV-N84(2-4)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6907	0-0165-0603	LV-N85(0-2)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6908	0-0165-0604	LV-N85(2-4)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	Y
6909	0-0165-0605	LV-N01(0-2)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6910	0-0165-0606	LV-N01(2-4)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6911	0-0165-0607	LV-N44(0-2)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6912	0-0165-0608	LV-N44(0-2)D	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6913	0-0165-0609	LV-N44(2-4)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6914	0-0165-0610	LV-N83(0-2)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6915	0-0165-0611	LV-N83(2-4)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6916	0-0165-0612	LV-N86(0-2)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6917	0-0165-0613	LV-N86(2-4)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6918	0-0165-0614	LV-N52(0-2)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6919	0-0165-0615	LV-N52(0-2)D	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	Y
6920	0-0165-0616	LV-N52(2-4)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6921	0-0165-0617	LV-N52(2-4)D	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6922	0-0165-0618	LV-N87(0-2)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6923	0-0165-0619	LV-N87(2-4)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6924	0-0165-0620	LV-N88(0-2)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6925	0-0165-0621	LV-N88(2-4)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6926	0-0165-0622	LV-N89(0-2)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6927	0-0165-0623	LV-N89(2-4)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	Y

SAMPLES TRANSFERRED FROM  
 CHAIN OF CUSTODY #

Received 3°C M

Items/Reason	Relinquished by	Date	Received by	Date	Time	Relinquished By	Date	Received by	Date	Time
All Analysis	Mr R	11/30/05	Jerry P... VOC	12/11/05	10:15	Jerry P... VOC	12/11/05	Jerry P... VOC	12/11/05	10:50

\* Sample 6926 arrived with glass jar cracked but still was intact. JM

0165 DEPA Contract # EP-C-04-032  
 AR-021

CHAIN OF CUSTODY RECORD

Site # 0-0165  
 Contact Name: Chris Skalaney  
 Contact Phone: 732-321-4200

No: 0-0165-113005-0005  
 Cooler #  
 Lab REAC  
 Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analytes	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
6428	0-0165-0624	LV-N90(0-2)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6429	0-0165-0625	LV-N90(2-4)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6430	0-0165-0626	LV-N90(2-4)D	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6431	0-0165-0627	LV-N90(4-8)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6432	0-0165-0628	LV-N90(8-10)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6433	0-0165-0629	LV-N91(0-2)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6434	0-0165-0630	LV-N91(2-4)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6435	0-0165-0631	LV-N56(4-8)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	N
6436	0-0165-0632	LV-N56(8-10)	VOC	Soil	11/30/2005	1	4 oz glass jar	4 C	Y
6437	0-0165-0633	TB-51130	VOC	Blank	11/30/2005	1	40 mL vial	4 C	N
6438	0-0165-0634	FB-51130	VOC	Blank	11/30/2005	1	40 mL vial	4 C	N

*(Handwritten mark)*

038

SAMPLES TRANSFERRED FROM  
 CHAIN OF CUSTODY #

Special Instructions: *cc: Cleve sig*

*Received 3:00 PM*

Items/Reason	Date	Received by	Date	Relinquished by	Date	Received by	Date	Time
All Analysis	11/30/05	<i>Joey</i>	12/11/05	<i>Joey</i>	12/11/05	<i>Joey</i>	12/11/05	10:50
VOC All Analysis	12/11/05	<i>Joey</i>	12/11/05	<i>Joey</i>	12/11/05	<i>Joey</i>	12/11/05	10:50

CHAIN OF CUSTODY RECORD

No: 0-0165-120105-0006

Cooler #  
Lab: REAC  
Lab Phone: 732-321-4200

Site # 0-0165  
Contact Name: Chris Skalaney  
Contact Phone 732-321-4200

EPA Contract #: EP-C-04-032

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
6968	0-0165-0635	TB-51201	VOC	Blank	12/1/2005	1	40 ml vial	4 C	N
6969	0-0165-0636	FB-51201	VOC	Blank	12/1/2005	1	40 ml vial	4 C	N
6970	0-0165-0637	LV-BLDG3(3-4)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6971	0-0165-0638	LV-BLDG3(4-5)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6972	0-0165-0639	LV-BLDG4(0-2)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6973	0-0165-0640	LV-BLDG4(3-5)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6974	0-0165-0641	LV-BLDG5(1-3)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	Y
6975	0-0165-0642	LV-BLDG5(3-5)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6976	0-0165-0643	LV-BLDG6(1-3)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6977	0-0165-0644	LV-BLDG6(3-5)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6978	0-0165-0645	LV-BLDG6(3-5)D	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6979	0-0165-0646	LV-BLDG7(0-2)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	Y
6980	0-0165-0647	LV-BLDG8(0-2)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6981	0-0165-0648	LV-BLDG8(2-4)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6982	0-0165-0649	LV-BLDG9(0-2)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6983	0-0165-0650	LV-BLDG9(2-4)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6984	0-0165-0651	LV-BLDG9(2-4)D	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6985	0-0165-0652	LV-BLDG10(1-3)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6986	0-0165-0653	LV-BLDG11(0-2)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6987	0-0165-0654	LV-BLDG11(2-4)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6988	0-0165-0655	LV-BLDG11(2-4)D	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6989	0-0165-0656	LV-BLDG12(0-2)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6990	0-0165-0657	LV-BLDG12(2-4)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	Y

SAMPLES TRANSFERRED FROM  
CHAIN OF CUSTODY #

Special Instructions: 3C. ©

Received 30c 2/11

Items/Reason	Relinquished by	Date	Received by	Date	Received by	Date	Time
All/Analysis	[Signature]	12/1/05	Jerry [Signature]	12/1/05	Jerry [Signature]	12/1/05	11:30
All/Analysis	[Signature]	12/1/05	Jerry [Signature]	12/1/05	Jerry [Signature]	12/1/05	
All/Analysis	[Signature]	12/1/05	Jerry [Signature]	12/1/05	Jerry [Signature]	12/1/05	



CHAIN OF CUSTODY RECORD

No: 0-0165-120105-0006

Site # 0-0165  
Cooler #  
Lab: REAC  
Lab Phone: 732-321-4200

Contact Name: Chris Skalaney  
Contact Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
6991	0-0165-0658	LV-BLDG13(0-2)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6992	0-0165-0659	LV-BLDG13(2-4)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6993	0-0165-0660	LV-BLDG14(DR)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6994	0-0165-0661	LV-BLDG15(0-2)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6995	0-0165-0662	LV-BLDG15(2-4)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6996	0-0165-0663	LV-BLDG16(0-2)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6997	0-0165-0664	LV-BLDG17(0-2)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6998	0-0165-0665	LV-BLDG17(2-4)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
6999	0-0165-0886	LV-BLDG17(2-4)D	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	N
7000	0-0165-0667	LV-BLDG18(2-4)	VOC	Soil	12/1/2005	1	4 oz glass jar	4 C	Y

(Handwritten mark)

SAMPLES TRANSFERRED FROM  
CHAIN OF CUSTODY #

Received 3°C JM

Special Instructions: CC (B)

Items/Reason	Relinquished by	Date	Received by	Date	Time
All Analysis	MCR	12/1/05	Jerry Thomas	12/1/05	10:50
VOC All Analysis	Jerry Thomas	12/1/05	Jerry Thomas	12/1/05	11:30

APPENDIX D

Preliminary Soil Analytical Report  
Toxicity Characteristic Leaching Procedure  
Samples Collected in August 2005  
Little Valley Superfund Site  
Cattaraugus Cutlery Area  
Trip Report  
June 2006

Lockheed Martin Technology Services  
Environmental Services REAC  
2890 Woodbridge Avenue Building 209 Annex  
Edison, NJ 08837-3679  
Telephone 732-321-4200 Facsimile 732-494-4021

LOCKHEED MARTIN



DATE: 8/25/05  
TO: R.Singhvi, ERTC/EPA  
FROM: Joseph Soroka, Data Validation and Report Writing Group Leader *JJS*  
SUBJECT: Preliminary Results of Project Little Valley Superfund Site WA# 0165

Attached please find the preliminary results of the above referenced project for the following samples.

Chain of Custody No.

Analyses

0165-081705-0001

8 soil samples for TCLP VOA.

cc: Archives  
Subcontracting  
Vinod Kansal  
Joe Soroka  
WAM: J Catanzarita  
Task Leader: C.Sklaney

### Sample Summary

Lockheed Martin

Job No: J7233

0-0165

Project No: 0-0165-081705-0001

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
J7233-1	08/17/05	00:00 CS	08/18/05	SO	Soil	0-0165-0051 LVTCLP1
J7233-2	08/17/05	00:00 CS	08/18/05	SO	Soil	0-0165-0052 LVT-N24T
J7233-3	08/17/05	00:00 CS	08/18/05	SO	Soil	0-0165-0053 LVT-N13T
J7233-4	08/17/05	00:00 CS	08/18/05	SO	Soil	0-0165-0054 LVT-N27T
J7233-5	08/17/05	00:00 CS	08/18/05	SO	Soil	0-0165-0055 LVT-N30T
J7233-6	08/17/05	00:00 CS	08/18/05	SO	Soil	0-0165-0056 LVT-C8
J7233-7	08/17/05	00:00 CS	08/18/05	AQ	Field Blank Soil	0-0165-0057 FBT-01
J7233-8	08/17/05	00:00 CS	08/18/05	AQ	Trip Blank Soil	0-0165-0058 TBT-01

**NO QC EVALUATION HAS BEEN PERFORMED.  
DATA VALIDITY IS UNSUBSTANTIATED  
AND THE DATA SHOULD BE USED  
WITH DISCRETION**

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Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID:	0-0165-0051 LVTCLP1		Date Sampled:	08/17/05
Lab Sample ID:	J7233-1		Date Received:	08/18/05
Matrix:	SO - Soil		Percent Solids:	83.5
Method:	SW846 8260B SW846 1311			
Project:	0-0165			

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L198154.D	5	08/23/05	KNV	08/19/05	GP29542	VL3914
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0050	0.0011	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.050	0.014	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0024	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.00043	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.0050	0.00073	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.00087	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.00083	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0016	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.00097	mg/l	
79-01-6	Trichloroethene	0.0497	D040	0.50	0.0050	0.0011	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.025	0.0012	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		79-119%
17060-07-0	1,2-Dichloroethane-D4	76%		68-129%
2037-26-5	Toluene-D8	105%		83-118%
460-00-4	4-Bromofluorobenzene	104%		82-120%

NO QC EVALUATION HAS BEEN PERFORMED.  
 DATA VALIDITY IS UNSUBSTANTIATED  
 AND THE DATA SHOULD BE USED  
 WITH DISCRETION

ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 MCL = Maximum Contamination Level (40 CFR 261 6/96)      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 0-0165-0052 LVT-N24T	Date Sampled: 08/17/05
Lab Sample ID: J7233-2	Date Received: 08/18/05
Matrix: SO - Soil	Percent Solids: 77.1
Method: SW846 8260B SW846 1311	
Project: 0-0165	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L198155.D	5	08/23/05	KNV	08/19/05	GP29542	VL3914
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0050	0.0011	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.050	0.014	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0024	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.00043	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.0050	0.00073	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.00087	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.00083	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0016	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.00097	mg/l	
79-01-6	Trichloroethene	0.173	D040	0.50	0.0050	0.0011	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.025	0.0012	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		79-119%
17060-07-0	1,2-Dichloroethane-D4	76%		68-129%
2037-26-5	Toluene-D8	103%		83-118%
460-00-4	4-Bromofluorobenzene	104%		82-120%

NO QC EVALUATION HAS BEEN PERFORMED.  
 DATA VALIDITY IS UNSUBSTANTIATED  
 AND THE DATA SHOULD BE USED  
 WITH DISCRETION

ND = Not detected    MDL - Method Detection Limit    J = Indicates an estimated value  
 MCL = Maximum Contamination Level (40 CFR 261 6/96)    B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range    N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

Client Sample ID:	0-0165-0053 LVT-N13T		Date Sampled:	08/17/05
Lab Sample ID:	J7233-3		Date Received:	08/18/05
Matrix:	SO - Soil		Percent Solids:	78.2
Method:	SW846 8260B SW846 1311			
Project:	0-0165			

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L198156.D	5	08/23/05	KNV	08/19/05	GP29542	VL3914
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCLP Leachate

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0050	0.0011	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.050	0.014	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0024	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.00043	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.0050	0.00073	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.00087	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.00083	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0016	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.00097	mg/l	
79-01-6	Trichloroethene	0.0546	D040	0.50	0.0050	0.0011	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.025	0.0012	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		79-119%
17060-07-0	1,2-Dichloroethane-D4	75%		68-129%
2037-26-5	Toluene-D8	104%		83-118%
460-00-4	4-Bromofluorobenzene	101%		82-120%

**NO QC EVALUATION HAS BEEN PERFORMED.  
DATA VALIDITY IS UNSUBSTANTIATED  
AND THE DATA SHOULD BE USED  
WITH DISCRETION**

ND = Not detected      MDL - Method Detection Limit  
MCL = Maximum Contamination Level (40 CFR 261 6/96)  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

Client Sample ID:	0-0165-0054 LVT-N27T	Date Sampled:	08/17/05
Lab Sample ID:	J7233-4	Date Received:	08/18/05
Matrix:	SO - Soil	Percent Solids:	81.2
Method:	SW846 8260B SW846 1311		
Project:	0-0165		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L198157.D	5	08/23/05	KNV	08/19/05	GP29542	VL3914
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCLP Leachate

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0050	0.0011	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.050	0.014	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0024	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.00043	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.0050	0.00073	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.00087	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.00083	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0016	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.00097	mg/l	
79-01-6	Trichloroethene	0.0621	D040	0.50	0.0050	0.0011	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.025	0.0012	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		79-119%
17060-07-0	1,2-Dichloroethane-D4	77%		68-129%
2037-26-5	Toluene-D8	106%		83-118%
460-00-4	4-Bromofluorobenzene	103%		82-120%

**NO QC EVALUATION HAS BEEN PERFORMED.  
DATA VALIDITY IS UNSUBSTANTIATED  
AND THE DATA SHOULD BE USED  
WITH DISCRETION**

ND = Not detected      MDL - Method Detection Limit  
MCL = Maximum Contamination Level (40 CFR 261 6/96)  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound



Report of Analysis

Client Sample ID: 0-0165-0055 LVT-N30T	Date Sampled: 08/17/05
Lab Sample ID: J7233-5	Date Received: 08/18/05
Matrix: SO - Soil	Percent Solids: 80.6
Method: SW846 8260B SW846 1311	
Project: 0-0165	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L198158.D	5	08/23/05	KNV	08/19/05	GP29542	VL3914
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0050	0.0011	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.050	0.014	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0024	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.00043	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.0050	0.00073	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.00087	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.00083	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0016	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.00097	mg/l	
79-01-6	Trichloroethene	0.220	D040	0.50	0.0050	0.0011	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.025	0.0012	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		79-119%
17060-07-0	1,2-Dichloroethane-D4	77%		68-129%
2037-26-5	Toluene-D8	102%		83-118%
460-00-4	4-Bromofluorobenzene	101%		82-120%

**NO QC EVALUATION HAS BEEN PERFORMED.  
DATA VALIDITY IS UNSUBSTANTIATED  
AND THE DATA SHOULD BE USED  
WITH DISCRETION**

ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
MCL = Maximum Contamination Level (40 CFR 261 6/96)      B = Indicates analyte found in associated method blank  
E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 0-0165-0056 LVT-C8	Date Sampled: 08/17/05
Lab Sample ID: J7233-6	Date Received: 08/18/05
Matrix: SO - Soil	Percent Solids: 77.7
Method: SW846 8260B SW846 1311	
Project: 0-0165	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	L198159.D	5	08/24/05	KNV	08/19/05	GP29542	VL3914

Run #1	Purge Volume
Run #2	5.0 ml

VOA TCLP Leachate

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0050	0.0011	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.050	0.014	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0024	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.00043	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.0050	0.00073	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.00087	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.00083	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0016	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.00097	mg/l	
79-01-6	Trichloroethene	0.285	D040	0.50	0.0050	0.0011	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.025	0.0012	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		79-119%
17060-07-0	1,2-Dichloroethane-D4	74%		68-129%
2037-26-5	Toluene-D8	101%		83-118%
460-00-4	4-Bromofluorobenzene	100%		82-120%

**NO QC EVALUATION HAS BEEN PERFORMED.  
 DATA VALIDITY IS UNSUBSTANTIATED  
 AND THE DATA SHOULD BE USED  
 WITH DISCRETION**

ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 MCL = Maximum Contamination Level (40 CFR 261 6/96)      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	0-0165-0057 FBT-01	Date Sampled:	08/17/05
Lab Sample ID:	J7233-7	Date Received:	08/18/05
Matrix:	AQ - Field Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B SW846 1311		
Project:	0-0165		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L198160.D	5	08/24/05	KNV	08/19/05	GP29563	VL3914
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCLP Leachate

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0050	0.0011	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.050	0.014	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0024	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.00043	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.0050	0.00073	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.00087	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.00083	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0016	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.00097	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.0050	0.0011	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.025	0.0012	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		79-119%
17060-07-0	1,2-Dichloroethane-D4	77%		68-129%
2037-26-5	Toluene-D8	102%		83-118%
460-00-4	4-Bromofluorobenzene	103%		82-120%

**NO QC EVALUATION HAS BEEN PERFORMED.  
DATA VALIDITY IS UNSUBSTANTIATED  
AND THE DATA SHOULD BE USED  
WITH DISCRETION**

ND = Not detected      MDL - Method Detection Limit  
MCL = Maximum Contamination Level (40 CFR 261 6/96)  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

Client Sample ID:	0-0165-0058 TBT-01	Date Sampled:	08/17/05
Lab Sample ID:	J7233-8	Date Received:	08/18/05
Matrix:	AQ - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B SW846 1311		
Project:	0-0165		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L198161.D	5	08/24/05	KNV	08/19/05	GP29563	VL3914
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCLP Leachate

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0050	0.0011	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.050	0.014	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0024	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.00043	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.0050	0.00073	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.00087	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.00083	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0016	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.00097	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.0050	0.0011	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.025	0.0012	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		79-119%
17060-07-0	1,2-Dichloroethane-D4	76%		68-129%
2037-26-5	Toluene-D8	105%		83-118%
460-00-4	4-Bromofluorobenzene	101%		82-120%

**NO QC EVALUATION HAS BEEN PERFORMED.  
DATA VALIDITY IS UNSUBSTANTIATED  
AND THE DATA SHOULD BE USED  
WITH DISCRETION**

ND = Not detected      MDL - Method Detection Limit  
MCL = Maximum Contamination Level (40 CFR 261 6/96)  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

CHAIN OF CUSTODY RECORD  
 Site #: 0-0166  
 Contact Name: John Johnson  
 Contact Phone: 732-321-6200

No: 0-0166-081705-0001  
 Cooler #:  
 Lab: AccuAnal Lab  
 Lab Phone: 732-329-0200

EPA Contract #:

J 7233

Lab #	Sample #	Location	Analysis	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
- 1	0-0166-0051	LVTCLP1	TCLP for VOCs	Soil	8/17/2005	1	16 oz glass jar	4C	N
- 2	0-0166-0052	LVT-N24T	TCLP for VOCs	Soil	8/17/2005	1	16 oz glass jar	4C	N
- 3	0-0166-0053	LVT-N13T	TCLP for VOCs	Soil	8/17/2005	1	16 oz glass jar	4C	N
- 4	0-0166-0054	LVT-N27T	TCLP for VOCs	Soil	8/17/2005	1	16 oz glass jar	4C	N
- 5	0-0166-0056	LVT-N30T	TCLP for VOCs	Soil	8/17/2005	1	16 oz glass jar	4C	N
- 6	0-0166-0058	LVT-C8	TCLP for VOCs	Soil	8/17/2005	1	16 oz glass jar	4C	N
- 7	0-0166-0057	FBT-01	TCLP for VOCs	Blank	8/17/2005	1	16 oz glass jar	4C	N
- 8	0-0166-0056	TBT-01	TCLP for VOCs	Blank	8/17/2005	1	16 oz glass jar	4C	N
OSV 4									

Special Instructions: SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
B/ANALYTICAL	CEP/SLY	08/17/05	Feldt								
	Feldt	8/17/05 0745	Cred/16	8/16/05	0745						

IA

4.8

Date: August 23, 2005

To: Work Assignment Manager Jeff M. Catanzarita, EPA/ERTC

From: Yi-Hua Lin, Organic Group Leader, Analytical Section, REAC

Subject: Preliminary Results of Project Little Valley Superfund WA# 0-0165

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Attached please find the preliminary results of the above referenced project for the following samples:

Chain(s) of Custody No.: 0-0165-061705-0002

Analysis: BNA + TICs

No. of Samples: 5

Matrix: TCLP

Comments: See the attached report summary

cc Central File  
Task Leader: C. Sklaney  
Analyst: C.W. Chuang

Preliminary Analytical Report Summary  
Little Valley Superfund, WA# EAC00165  
August 23, 2005  
COC# 0-0165-061705-0002

This summary reports the results of five TCLP samples received for BNA analysis. The results and RL of the analysis are reported in unit of  $\mu\text{g/L}$ . The sample was extracted and analyzed within the REAC holding time.

The analysis results show that no target analytes were detected in all samples, nor were in laboratory blank

Results of tentatively identified compounds (TICs) show that three samples contain a compound identified as alkene but with the concentration below RL. Since this compound also is detected in the laboratory blank (but is below 10% of the internal standard concentration), it is likely a laboratory contaminant. The sample (0-0165-0055) contains seven compounds identified as alkanes, with the estimated concentrations around RL. No TICs were detected in the laboratory blank and the fifth sample (0-0165-0052).

The analysis results show that internal standard areas and surrogate recoveries in all injections were within the QC limits. Results of MS/MSD show that recoveries and RPD of spike compounds were within their respective QC limits.

All target analytes in the two continuing calibration checks passed the QC criteria.

C.W. Chuang

Result files could be found in I:\Organics\0165LittleValley\BNA\\*.\*

Table 1.1 Results of the Analysis for BNA in TCLP  
WA # 0-165 Little Valley Superfund

Sample No.	WBLK082205	0-0165-0051	0-0165-0052	0-0165-0054	0-0165-0055					
Sample Location	Lab Blank	LVTCLP1	LVT-N24T	LVT-N27T	LVT-N30T					
GC/MS File Name	GS0500	GS0502	GS0503	GS0504	GS0505					
Matrix	TCLP	TCLP	TCLP	TCLP	TCLP					
Dilution Factor	1	1	1	1	1					
Compound Name	Conc. µg/L	RL µg/L	Conc. µg/L	RL µg/L	Conc. µg/L	RL µg/L	Conc. µg/L	RL µg/L	Conc. µg/L	RL µg/L
Phenol	U	10	U	10	U	10	U	10	U	10
bis(-2-Chloroethyl)Ether	U	10	U	10	U	10	U	10	U	10
2-Chlorophenol	U	10	U	10	U	10	U	10	U	10
1,3-Dichlorobenzene	U	10	U	10	U	10	U	10	U	10
1,4-Dichlorobenzene	U	10	U	10	U	10	U	10	U	10
Benzyl alcohol	U	10	U	10	U	10	U	10	U	10
1,2-Dichlorobenzene	U	10	U	10	U	10	U	10	U	10
2-Methylphenol	U	10	U	10	U	10	U	10	U	10
bis(2-Chloroisopropyl)ether	U	10	U	10	U	10	U	10	U	10
4-Methylphenol	U	10	U	10	U	10	U	10	U	10
N-Nitroso-Di-n-propylamine	U	10	U	10	U	10	U	10	U	10
Hexachloroethane	U	10	U	10	U	10	U	10	U	10
Nitrobenzene	U	10	U	10	U	10	U	10	U	10
Isophorone	U	10	U	10	U	10	U	10	U	10
2-Nitrophenol	U	10	U	10	U	10	U	10	U	10
2,4-Dimethylphenol	U	10	U	10	U	10	U	10	U	10
bis(2-Chloroethoxy)methane	U	10	U	10	U	10	U	10	U	10
2,4-Dichlorophenol	U	10	U	10	U	10	U	10	U	10
1,2,4-Trichlorobenzene	U	10	U	10	U	10	U	10	U	10
Naphthalene	U	10	U	10	U	10	U	10	U	10
4-Chloroaniline	U	10	U	10	U	10	U	10	U	10
Hexachlorobutadiene	U	10	U	10	U	10	U	10	U	10
4-Chloro-3-methylphenol	U	10	U	10	U	10	U	10	U	10
2-Methylnaphthalene	U	10	U	10	U	10	U	10	U	10
Hexachlorocyclopentadiene	U	10	U	10	U	10	U	10	U	10
2,4,6-Trichlorophenol	U	10	U	10	U	10	U	10	U	10
2,4,5-Trichlorophenol	U	10	U	10	U	10	U	10	U	10
2-Chloronaphthalene	U	10	U	10	U	10	U	10	U	10
2-Nitroaniline	U	10	U	10	U	10	U	10	U	10
Dimethylphthalate	U	10	U	10	U	10	U	10	U	10
Acenaphthylene	U	10	U	10	U	10	U	10	U	10
2,6-Dinitrotoluene	U	10	U	10	U	10	U	10	U	10
3-Nitroaniline	U	10	U	10	U	10	U	10	U	10
Acenaphthene	U	10	U	10	U	10	U	10	U	10
2,4-Dinitrophenol	U	10	U	10	U	10	U	10	U	10
4-Nitrophenol	U	10	U	10	U	10	U	10	U	10
Dibenzofuran	U	10	U	10	U	10	U	10	U	10
2,4-Dinitrotoluene	U	10	U	10	U	10	U	10	U	10
Diethylphthalate	U	10	U	10	U	10	U	10	U	10
4-Chlorophenyl-phenylether	U	10	U	10	U	10	U	10	U	10
Fluorene	U	10	U	10	U	10	U	10	U	10
4-Nitroaniline	U	10	U	10	U	10	U	10	U	10
4,6-Dinitro-2-methylphenol	U	10	U	10	U	10	U	10	U	10
N-Nitrosodiphenylamine	U	10	U	10	U	10	U	10	U	10
4-Bromophenyl-phenylether	U	10	U	10	U	10	U	10	U	10
Hexachlorobenzene	U	10	U	10	U	10	U	10	U	10
Pentachlorophenol	U	10	U	10	U	10	U	10	U	10
Phenanthrene	U	10	U	10	U	10	U	10	U	10
Anthracene	U	10	U	10	U	10	U	10	U	10
Carbazole	U	10	U	10	U	10	U	10	U	10
Di-n-butylphthalate	U	10	U	10	U	10	U	10	U	10
Fluoranthene	U	10	U	10	U	10	U	10	U	10
Pyrene	U	10	U	10	U	10	U	10	U	10
Butylbenzylphthalate	U	10	U	10	U	10	U	10	U	10
Benzo(a)anthracene	U	10	U	10	U	10	U	10	U	10
3,3'-Dichlorobenzidine	U	10	U	10	U	10	U	10	U	10
Chrysene	U	10	U	10	U	10	U	10	U	10
Bis(2-Ethylhexyl)phthalate	U	10	U	10	U	10	U	10	U	10
Di-n-octylphthalate	U	10	U	10	U	10	U	10	U	10
Benzo(b)fluoranthene	U	10	U	10	U	10	U	10	U	10
Benzo(k)fluoranthene	U	10	U	10	U	10	U	10	U	10
Benzo(a)pyrene	U	10	U	10	U	10	U	10	U	10
Indeno(1,2,3-cd)pyrene	U	10	U	10	U	10	U	10	U	10
Dibenzo(a,h)anthracene	U	10	U	10	U	10	U	10	U	10
Benzo(g,h,i)perylene	U	10	U	10	U	10	U	10	U	10

Preliminary Results  
Data Not Validated



Table 1.1 Results of the Analysis for BNA in TCLP  
WA # 0-165 Little Valley Superfund

Sample No. TCLP Fluid  
Sample Location  
GC/MS File Name GS0506  
Matrix TCLP  
Dilution Factor 1

Compound Name	Conc. µg/L	RL µg/L
Phenol	U	10
bis(-2-Chloroethyl)Ether	U	10
2-Chlorophenol	U	10
1,3-Dichlorobenzene	U	10
1,4-Dichlorobenzene	U	10
Benzyl alcohol	U	10
1,2-Dichlorobenzene	U	10
2-Methylphenol	U	10
bis(2-Chloroisopropyl)ether	U	10
4-Methylphenol	U	10
N-Nitroso-Di-n-propylamine	U	10
Hexachloroethane	U	10
Nitrobenzene	U	10
Isophorone	U	10
2-Nitrophenol	U	10
2,4-Dimethylphenol	U	10
bis(2-Chloroethoxy)methane	U	10
2,4-Dichlorophenol	U	10
1,2,4-Trichlorobenzene	U	10
Naphthalene	U	10
4-Chloroaniline	U	10
Hexachlorobutadiene	U	10
4-Chloro-3-methylphenol	U	10
2-Methylnaphthalene	U	10
Hexachlorocyclopentadiene	U	10
2,4,6-Trichlorophenol	U	10
2,4,5-Trichlorophenol	U	10
2-Chloronaphthalene	U	10
2-Nitroaniline	U	10
Dimethylphthalate	U	10
Acenaphthylene	U	10
2,6-Dinitrotoluene	U	10
3-Nitroaniline	U	10
Acenaphthene	U	10
2,4-Dinitrophenol	U	10
4-Nitrophenol	U	10
Dibenzofuran	U	10
2,4-Dinitrotoluene	U	10
Diethylphthalate	U	10
4-Chlorophenyl-phenylether	U	10
Fluorene	U	10
4-Nitroaniline	U	10
4,6-Dinitro-2-methylphenol	U	10
N-Nitrosodiphenylamine	U	10
4-Bromophenyl-phenylether	U	10
Hexachlorobenzene	U	10
Pentachlorophenol	U	10
Phenanthrene	U	10
Anthracene	U	10
Carbazole	U	10
Di-n-butylphthalate	U	10
Fluoranthene	U	10
Pyrene	U	10
Butylbenzylphthalate	U	10
Benzo(a)anthracene	U	10
3,3'-Dichlorobenzidine	U	10
Chrysene	U	10
Bis(2-Ethylhexyl)phthalate	U	10
Di-n-octylphthalate	U	10
Benzo(b)fluoranthene	U	10
Benzo(k)fluoranthene	U	10
Benzo(a)pyrene	U	10
Indeno(1,2,3-cd)pyrene	U	10
Dibenzo(a,h)anthracene	U	10
Benzo(g,h,i)perylene	U	10

Preliminary Results  
Data Not Validated

Table 1.x (cont.) Results of the Analysis for Metals in Water  
 WA # 0-165 Little Valley superfund Site  
**NO QC EVALUATION HAS BEEN PERFORMED**

Sample No. Location	Method Blank Lab	Fluid Blank Extraction Blank		0-0165-0051 LVTCLP1		0-0165-0052 LVT-N24T		0-0165-0054 LVT-N27T		0-0165-0055 LVT-N30T			
Analyte	Analysis Method	Conc µg/L	RL µg/L	Conc µg/L	RL µg/L	Conc µg/L	RL µg/L	Conc µg/L	RL µg/L	Conc µg/L	RL µg/L	Conc µg/L	RL µg/L
Arsenic	ICAP	U	5.00	6.68	5.00	9.75	5.00	9.00	5.00	18.5	5.00	10.5	5.00
Barium	ICAP	U	2.00	U	2.00	945	2.00	522	2.00	1010	2.00	1810	2.00
Cadmium	ICAP	U	2.00	U	2.00	115	2.00	U	2.00	34.0	2.00	28.7	2.00
Chromium	ICAP	U	2.00	U	2.00	4.81	2.00	12.6	2.00	15.3	2.00	2.02	2.00
Lead	ICAP	U	5.00	U	5.00	399	5.00	U	5.00	443	5.00	1160	5.00
Mercury	Cold Vapor	U	0.200	U	0.200	0.272	0.200	U	0.200	0.206	0.200	U	0.200
Selenium	ICAP	U	5.00	12.8	5.00	14.1	5.00	15.1	5.00	15.6	5.00	14.9	5.00
Silver	ICAP	U	2.00	U	2.00	U	2.00	U	2.00	U	2.00	U	2.00

RL denotes Reporting Limit  
 U denotes Not Detected

NO QC EVALUATION HAS BEEN PERFORMED

APPENDIX E

Preliminary Soil Analytical Report  
Polychlorinated Biphenyls  
Samples Collected in August 2005  
Little Valley Superfund Site  
Cattaraugus Cutlery Area  
Trip Report  
June 2006

Preliminary Analytical Report Summary  
Little Valley Site WA# 0-0165  
September 20, 2005

On 09/08/05 REAC received 4 soil samples on chain of custody number 05580 for PCBs analysis by GC/ECD.

Analytical Interpretation: One of the extracts appeared as dark upon concentration to 5.0 mL final volume became extremely viscous and different cleanup methods were performed such as GPC, TBA and Acid after screening the extracts on GC/ECD. During the cleanups process, the extraction lab run out of extracts, and it was necessary to re-extract the samples and perform more cleanups. After 3 different methods of cleanups (GPC, TBA and Acid) applied to the re-extracted sample extracts, the extracts were analyzed on GC/ECD. The analysis indicated that no target compounds were found in any of the samples.

All samples were spiked with pesticide surrogates solution prior to extraction. All surrogate recoveries were within the QA/QC criteria and recoveries were on satisfactory range.

Sample 53-42439495 was chosen to be spiked with PCBs spiking solution. Recoveries of MS and MSD were at excellent range.

The initial calibrations, continuing calibrations, and internal standard heights all met QC criteria.

No target compounds were detected in the blank.

Samples were extracted and analyzed within the REAC's holding time.

Girma Admassu

Note: Results files could be found in I:\Organics\0165LittleValley\PESTPCB\092005\\*.\*

Sample Key:

53-42439495	Composite of LV-N14(1-2), LV-N14(1-2)D, LV-A4(1-2), LV-A4(1-2)D
53-38404546	Composite of LV-C3(1-2), LV-N17(1-2), LV-D5(0-2), LV-D5(4-5)
53-29596188	Composite of LV-N09(0-2), LV-N21(0-2), LV-N21(2-4), LV-N21(3-4)
53-17258186	Composite of LV-N40(0-2), LV-N13(2-3), LV-N36(2-3), LV-N37(6-7)

Table 1.x Results of the Analysis for PCBs in Soil  
 WA# 0-165 Little Valley Site  
 Based on Dry Weight

Client ID Location Percent Solid Analyte	SBLK091405		53-42439495		53-38404546		53-29596188		53-17258186	
	Conc. µg/kg	RL µg/kg	Conc. µg/kg	RL µg/kg	Conc. µg/kg	RL µg/kg	Conc. µg/kg	RL µg/kg	Conc. µg/kg	RL µg/kg
	100		81.49		85.43		87.08		81.09	
AROCLOR 1016	U	41.7	U	51.1	U	48.8	U	47.8	U	51.4
AROCLOR 1221	U	83.3	U	102	U	97.5	U	95.7	U	103
AROCLOR 1232	U	41.7	U	51.1	U	48.8	U	47.8	U	51.4
AROCLOR 1242	U	41.7	U	51.1	U	48.8	U	47.8	U	51.4
AROCLOR 1248	U	41.7	U	51.1	U	48.8	U	47.8	U	51.4
AROCLOR 1254	U	41.7	U	51.1	U	48.8	U	47.8	U	51.4
AROCLOR 1260	U	41.7	U	51.1	U	48.8	U	47.8	U	51.4
AROCLOR 1268	U	41.7	U	51.1	U	48.8	U	47.8	U	51.4

Attached please find the preliminary results (**Excel\_ File**) of the above referenced project for the following samples.

**NO QC EVALUATION HAS BEEN PERFORMED**

Chain of Custody No.	# of Samples	Matrix	Analyses
0-0165-061705-0002	5	TCLP Extract	TCLP Metals

*Jay Patel*  
*Inorganic Group Leader*  
*Lockheed Martin/REAC*

APPENDIX E

Soil Analytical Report  
Polychlorinated Biphenyls  
Samples Collected in August 2005  
Little Valley Superfund Site  
Cattaraugus Cutlery Area  
Trip Report  
June 2006

Preliminary Analytical Report Summary  
Little Valley Site WA# 0-0165  
September 20, 2005

On 09/08/05 REAC received 4 soil samples on chain of custody number 05580 for PCBs analysis by GC/ECD.

Analytical Interpretation: One of the extracts appeared as dark upon concentration to 5.0 mL final volume became extremely viscous and different cleanup methods were performed such as GPC, TBA and Acid after screening the extracts on GC/ECD. During the cleanups process, the extraction lab run out of extracts, and it was necessary to re-extract the samples and perform more cleanups. After 3 different methods of cleanups (GPC, TBA and Acid) applied to the re-extracted sample extracts, the extracts were analyzed on GC/ECD. The analysis indicated that no target compounds were found in any of the samples.

All samples were spiked with pesticide surrogates solution prior to extraction. All surrogate recoveries were within the QA/QC criteria and recoveries were on satisfactory range.

Sample 53-42439495 was chosen to be spiked with PCBs spiking solution. Recoveries of MS and MSD were at excellent range.

The initial calibrations, continuing calibrations, and internal standard heights all met QC criteria.

No target compounds were detected in the blank.

Samples were extracted and analyzed within the REAC's holding time.

Girma Admassu

Note: Results files could be found in I:\Organics\0165LittleValley\PESTPCB\092005\\*.\*

Sample Key:

53-42439495	Composite of LV-N14(1-2), LV-N14(1-2)D, LV-A4(1-2), LV-A4(1-2)D
53-38404546	Composite of LV-C3(1-2), LV-N17(1-2), LV-D5(0-2), LV-D5(4-5)
53-29596188	Composite of LV-N09(0-2), LV-N21(0-2), LV-N21(2-4), LV-N21(3-4)
53-17258186	Composite of LV-N40(0-2), LV-N13(2-3), LV-N36(2-3), LV-N37(6-7)



Table 1.x Results of the Analysis for PCBs in Soil  
 WA# 0-165 Little Valley Site  
 Based on Dry Weight

Client ID	SBLK091405		53-42439495		53-38404546		53-29596188		53-17258186	
Location	-		-		-		-		-	
Percent Solid	100		81.49		85.43		87.08		81.09	
Analyte	Conc. µg/kg	RL µg/kg	Conc. µg/kg	RL µg/kg	Conc. µg/kg	RL µg/kg	Conc. µg/kg	RL µg/kg	Conc. µg/kg	RL µg/kg
AROCLOR 1016	U	41.7	U	51.1	U	48.8	U	47.8	U	51.4
AROCLOR 1221	U	83.3	U	102	U	97.5	U	95.7	U	103
AROCLOR 1232	U	41.7	U	51.1	U	48.8	U	47.8	U	51.4
AROCLOR 1242	U	41.7	U	51.1	U	48.8	U	47.8	U	51.4
AROCLOR 1248	U	41.7	U	51.1	U	48.8	U	47.8	U	51.4
AROCLOR 1254	U	41.7	U	51.1	U	48.8	U	47.8	U	51.4
AROCLOR 1260	U	41.7	U	51.1	U	48.8	U	47.8	U	51.4
AROCLOR 1268	U	41.7	U	51.1	U	48.8	U	47.8	U	51.4