Response to the Approval for the
Completion Report for Regional Aquifer Well R-37,
Los Alamos National Laboratory EPA ID # NM0890010515
Dated July 22, 2010

INTRODUCTION

To facilitate review of this response, the New Mexico Environment Department's (NMED's) comments are included verbatim. Los Alamos National Laboratory's (LANL's or the Laboratory's) responses follow each NMED comment.

COMMENTS

NMED Comment

1. ***Section 1.2, page 1:*** *The statements "[w]ell R-37 screen 1 is 20.7 ft long, positioned from 829.3 to 950.0 ft bgs …" and "[w]ell R-37 screen 2 is 20.6 ft long and positioned from 1026.0 to 1047.6 ft bgs…" are incorrect. According to the as-built well construction diagram on Fig. 4.2-1, screen 1 is positioned from 929.3 to 950.0 ft bgs and screen 2 is positioned from 1026.0 to 1046.6 ft bgs.*

LANL Response

1. The positions of the well screens have been corrected from 829.3, 950.0, and 1047.6 ft below ground surface (bgs) to 929.3, 951.0, and 1046.6 ft bgs in the revised report respectively. LANL will submit both an electronic and a hard copy version of the revised R-37 well completion report with the correct well screen information.

NMED Comment

2. ***Section 2.3, page 15:*** *The Permittees state that groundwater screening samples that were air-lifted from the first borehole were analyzed for volatile organic compounds (VOCs). However, air-lifted samples are subject to VOC volatilization and are not suitable for VOC analyses. During construction and development of future wells, when groundwater samples are collected for VOC analyses, the Permittees must use sample collection techniques that minimize the loss of VOCs (e.g., a bailer with a VOC tip or a submersible pump).*

LANL Response

2. NMED's comment regarding groundwater sampling techniques to minimize volatilization of volatile organic compounds (VOCs) is correct and technically sound. However, given that these screening samples are collected from a borehole that has been drilled with air-rotary techniques, any VOCs in the near borehole environment will probably be impacted by the drilling process. Therefore, accurate VOC concentrations would only be measured from the completed well after the screened water-bearing zones have been allowed to equilibrate. LANL proposes not to analyze screening samples collected from the open borehole during drilling for VOCs because of the inherent issues associated with volatilization caused by the drilling technique. Follow-up characterization sampling, conducted after well installation, will be in accordance with the Interim Facility-Wide Groundwater Monitoring Plan, which includes analyses for VOCs for at least the first year.

NMED Comment

3. ***Section 2.3, page 15**, **and Appendix C:** The Permittees state in Section 2.3 that groundwater screening samples from the first borehole were analyzed for VOCs, high explosives and low-level tritium at off-site laboratories. However, analytical results for these constituents are not included in Appendix C (Groundwater Analytical Results). The Permittees must submit to NMED, in writing and in an electronic format, the missing analytical results and an explanation for their exclusion from the Report no later than **August 20, 2010**.*

LANL Response

3 Appendix C has been revised to include VOC, high explosives, and low-level tritium data from the off-site laboratory.

NMED Comment

4. ***Figure 5.3-1**: The figure caption reads "As-built completion schematic for regional aquifer well R-37" but the actual figure appears to be a preliminary schematic of BASKI sampling system for well R-40. The proper caption should read "Typical configuration of BASKI sampling system". In future completion reports, the Permittees must assure that correct figures and captions are used.*

LANL Response

4. Figure 5.3-1 has been corrected in the revised report to show the R-37 BASKI sampling system.

Table C-1.3-1
Analytical Results for Volatile Organic Compounds,
High-Explosive Compounds, and Low-Level Tritium for Borehole R-37

Request Number	Sample Name	Analytical Suite Code	Analytical Method Code	Analyte Description	Result	Unit	Validation Qualifier Code
08-1737	GW37-08-15104	LH3	Generic:Low_Level_Tritium	Tritium	0.64	TU[a]	U[b]
08-1736	GW37-08-15104	HEXP	SW-846:8321A_MOD	2,4-Diamino-6-nitrotoluene	1.30	µg/L	U
08-1736	GW37-08-15104	HEXP	SW-846:8321A_MOD	2,6-Diamino-4-nitrotoluene	1.30	µg/L	U
08-1736	GW37-08-15104	HEXP	SW-846:8321A_MOD	3,5-Dinitroaniline	1.30	µg/L	U
08-1736	GW37-08-15104	HEXP	SW-846:8321A_MOD	Amino-2,6-dinitrotoluene[4-]	0.33	µg/L	U
08-1736	GW37-08-15104	HEXP	SW-846:8321A_MOD	Amino-4,6-dinitrotoluene[2-]	0.33	µg/L	U
08-1736	GW37-08-15104	HEXP	SW-846:8321A_MOD	Dinitrobenzene[1,3-]	0.33	µg/L	U
08-1736	GW37-08-15104	HEXP	SW-846:8321A_MOD	Dinitrotoluene[2,4-]	0.33	µg/L	U
08-1736	GW37-08-15104	HEXP	SW-846:8321A_MOD	Dinitrotoluene[2,6-]	0.33	µg/L	U
08-1736	GW37-08-15104	HEXP	SW-846:8321A_MOD	HMX[c]	0.33	µg/L	U
08-1736	GW37-08-15104	HEXP	SW-846:8321A_MOD	Nitrobenzene	0.33	µg/L	U
08-1736	GW37-08-15104	HEXP	SW-846:8321A_MOD	Nitrotoluene[2-]	0.33	µg/L	U
08-1736	GW37-08-15104	HEXP	SW-846:8321A_MOD	Nitrotoluene[3-]	0.33	µg/L	U
08-1736	GW37-08-15104	HEXP	SW-846:8321A_MOD	Nitrotoluene[4-]	0.65	µg/L	UJ[d]
08-1736	GW37-08-15104	HEXP	SW-846:8321A_MOD	PETN[e]	1.30	µg/L	U
08-1736	GW37-08-15104	HEXP	SW-846:8321A_MOD	RDX[f]	0.33	µg/L	U
08-1736	GW37-08-15104	HEXP	SW-846:8321A_MOD	TATB[g]	0.64	µg/L	J[h]
08-1736	GW37-08-15104	HEXP	SW-846:8321A_MOD	Tetryl	0.65	µg/L	U
08-1736	GW37-08-15104	HEXP	SW-846:8321A_MOD	Trinitrobenzene[1,3,5-]	0.33	µg/L	U
08-1736	GW37-08-15104	HEXP	SW-846:8321A_MOD	Trinitrotoluene[2,4,6-]	0.33	µg/L	U
08-1736	GW37-08-15104	HEXP	SW-846:8321A_MOD	Tris (o-cresyl) phosphate	0.17	µg/L	J
08-1736	GW37-08-15104	VOC	SW-846:8260B	Acetone	2.50	µg/L	J
08-1736	GW37-08-15104	VOC	SW-846:8260B	Acetonitrile	25.00	µg/L	R[i]
08-1736	GW37-08-15104	VOC	SW-846:8260B	Acrolein	5.00	µg/L	U

Table C-1.3-1 (continued)

Request Number	Sample Name	Analytical Suite Code	Analytical Method Code	Analyte Description	Result	Unit	Validation Qualifier Code
08-1736	GW37-08-15104	VOC	SW-846:8260B	Acrylonitrile	5.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Benzene	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Bromobenzene	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Bromochloromethane	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Bromodichloromethane	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Bromoform	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Bromomethane	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Butanol[1-]	50.00	µg/L	R
08-1736	GW37-08-15104	VOC	SW-846:8260B	Butanone[2-]	5.00	µg/L	UJ
08-1736	GW37-08-15104	VOC	SW-846:8260B	Butylbenzene[n-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Butylbenzene[sec-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Butylbenzene[tert-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Carbon Disulfide	5.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Carbon Tetrachloride	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Chloro-1-propene[3-]	5.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Chlorobenzene	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Chlorodibromomethane	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Chloroethane	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Chloroform	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Chloromethane	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Chlorotoluene[2-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Chlorotoluene[4-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Dibromoethane[1,2-]	1.00	µg/L	U

Table C-1.3-1 (continued)

Request Number	Sample Name	Analytical Suite Code	Analytical Method Code	Analyte Description	Result	Unit	Validation Qualifier Code
08-1736	GW37-08-15104	VOC	SW-846:8260B	Dibromomethane	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	1.00	µg/L	UJ
08-1736	GW37-08-15104	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	1.00	µg/L	UJ
08-1736	GW37-08-15104	VOC	SW-846:8260B	Dichlorodifluoromethane	1.00	µg/L	UJ
08-1736	GW37-08-15104	VOC	SW-846:8260B	Dichloroethane[1,1-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Dichloroethane[1,2-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Dichloroethene[1,1-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Dichloropropane[1,2-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Dichloropropane[1,3-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Dichloropropane[2,2-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Dichloropropene[1,1-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Diethyl Ether	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Dioxane[1,4-]	50.00	µg/L	R
08-1736	GW37-08-15104	VOC	SW-846:8260B	Ethyl Methacrylate	5.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Ethylbenzene	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Hexachlorobutadiene	1.00	µg/L	UJ
08-1736	GW37-08-15104	VOC	SW-846:8260B	Hexanone[2-]	5.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Iodomethane	5.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Isobutyl alcohol	50.00	µg/L	R
08-1736	GW37-08-15104	VOC	SW-846:8260B	Isopropylbenzene	1.00	µg/L	UJ
08-1736	GW37-08-15104	VOC	SW-846:8260B	Isopropyltoluene[4-]	1.00	µg/L	UJ

Table C-1.3-1 (continued)

Request Number	Sample Name	Analytical Suite Code	Analytical Method Code	Analyte Description	Result	Unit	Validation Qualifier Code
08-1736	GW37-08-15104	VOC	SW-846:8260B	Methacrylonitrile	5.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Methyl Methacrylate	5.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	5.00	µg/L	UJ
08-1736	GW37-08-15104	VOC	SW-846:8260B	Methylene Chloride	5.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Naphthalene	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Propionitrile	5.00	µg/L	R
08-1736	GW37-08-15104	VOC	SW-846:8260B	Propylbenzene[1-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Styrene	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Tetrachloroethene	1.00	µg/L	UJ
08-1736	GW37-08-15104	VOC	SW-846:8260B	Toluene	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	1.00	µg/L	UJ
08-1736	GW37-08-15104	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Trichloroethene	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Trichlorofluoromethane	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Vinyl acetate	5.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Vinyl Chloride	1.00	µg/L	U
08-1736	GW37-08-15104	VOC	SW-846:8260B	Xylene[1,2-]	1.00	µg/L	U

Table C-1.3-1 (continued)

Request Number	Sample Name	Analytical Suite Code	Analytical Method Code	Analyte Description	Result	Unit	Validation Qualifier Code
08-1736	GW37-08-15104	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	2.00	µg/L	U
08-1751	GW37-08-15105	LH3	Generic:Low_Level_Tritium	Tritium	0.30	TU	U
08-1752	GW37-08-15105	HEXP	SW-846:8321A_MOD	2,4-Diamino-6-nitrotoluene	1.30	µg/L	U
08-1752	GW37-08-15105	HEXP	SW-846:8321A_MOD	2,6-Diamino-4-nitrotoluene	1.30	µg/L	U
08-1752	GW37-08-15105	HEXP	SW-846:8321A_MOD	3,5-Dinitroaniline	1.30	µg/L	UJ
08-1752	GW37-08-15105	HEXP	SW-846:8321A_MOD	Amino-2,6-dinitrotoluene[4-]	0.33	µg/L	U
08-1752	GW37-08-15105	HEXP	SW-846:8321A_MOD	Amino-4,6-dinitrotoluene[2-]	0.33	µg/L	U
08-1752	GW37-08-15105	HEXP	SW-846:8321A_MOD	Dinitrobenzene[1,3-]	0.33	µg/L	U
08-1752	GW37-08-15105	HEXP	SW-846:8321A_MOD	Dinitrotoluene[2,4-]	0.33	µg/L	U
08-1752	GW37-08-15105	HEXP	SW-846:8321A_MOD	Dinitrotoluene[2,6-]	0.33	µg/L	U
08-1752	GW37-08-15105	HEXP	SW-846:8321A_MOD	HMX	0.33	µg/L	U
08-1752	GW37-08-15105	HEXP	SW-846:8321A_MOD	Nitrobenzene	0.33	µg/L	U
08-1752	GW37-08-15105	HEXP	SW-846:8321A_MOD	Nitrotoluene[2-]	0.33	µg/L	U
08-1752	GW37-08-15105	HEXP	SW-846:8321A_MOD	Nitrotoluene[3-]	0.33	µg/L	U
08-1752	GW37-08-15105	HEXP	SW-846:8321A_MOD	Nitrotoluene[4-]	0.65	µg/L	UJ
08-1752	GW37-08-15105	HEXP	SW-846:8321A_MOD	PETN	1.30	µg/L	U
08-1752	GW37-08-15105	HEXP	SW-846:8321A_MOD	RDX	0.33	µg/L	U
08-1752	GW37-08-15105	HEXP	SW-846:8321A_MOD	TATB	1.30	µg/L	U
08-1752	GW37-08-15105	HEXP	SW-846:8321A_MOD	Tetryl	0.65	µg/L	U
08-1752	GW37-08-15105	HEXP	SW-846:8321A_MOD	Trinitrobenzene[1,3,5-]	0.33	µg/L	U
08-1752	GW37-08-15105	HEXP	SW-846:8321A_MOD	Trinitrotoluene[2,4,6-]	0.33	µg/L	U
08-1752	GW37-08-15105	HEXP	SW-846:8321A_MOD	Tris (o-cresyl) phosphate	1.30	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Acetone	4.85	µg/L	J
08-1752	GW37-08-15105	VOC	SW-846:8260B	Acetonitrile	25.00	µg/L	R
08-1752	GW37-08-15105	VOC	SW-846:8260B	Acrolein	5.00	µg/L	R
08-1752	GW37-08-15105	VOC	SW-846:8260B	Acrylonitrile	5.00	µg/L	UJ

Table C-1.3-1 (continued)

Request Number	Sample Name	Analytical Suite Code	Analytical Method Code	Analyte Description	Result	Unit	Validation Qualifier Code
08-1752	GW37-08-15105	VOC	SW-846:8260B	Benzene	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Bromobenzene	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Bromochloromethane	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Bromodichloromethane	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Bromoform	1.00	µg/L	UJ
08-1752	GW37-08-15105	VOC	SW-846:8260B	Bromomethane	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Butanol[1-]	50.00	µg/L	R
08-1752	GW37-08-15105	VOC	SW-846:8260B	Butanone[2-]	5.00	µg/L	UJ
08-1752	GW37-08-15105	VOC	SW-846:8260B	Butylbenzene[n-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Butylbenzene[sec-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Butylbenzene[tert-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Carbon Disulfide	5.00	µg/L	UJ
08-1752	GW37-08-15105	VOC	SW-846:8260B	Carbon Tetrachloride	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Chloro-1-propene[3-]	5.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Chlorobenzene	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Chlorodibromomethane	1.00	µg/L	UJ
08-1752	GW37-08-15105	VOC	SW-846:8260B	Chloroethane	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Chloroform	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Chloromethane	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Chlorotoluene[2-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Chlorotoluene[4-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	1.00	µg/L	UJ
08-1752	GW37-08-15105	VOC	SW-846:8260B	Dibromoethane[1,2-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Dibromomethane	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	1.00	µg/L	U

Table C-1.3-1 (continued)

Request Number	Sample Name	Analytical Suite Code	Analytical Method Code	Analyte Description	Result	Unit	Validation Qualifier Code
08-1752	GW37-08-15105	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Dichlorodifluoromethane	1.00	µg/L	UJ
08-1752	GW37-08-15105	VOC	SW-846:8260B	Dichloroethane[1,1-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Dichloroethane[1,2-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Dichloroethene[1,1-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Dichloropropane[1,2-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Dichloropropane[1,3-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Dichloropropane[2,2-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Dichloropropene[1,1-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Diethyl Ether	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Dioxane[1,4-]	50.00	µg/L	R
08-1752	GW37-08-15105	VOC	SW-846:8260B	Ethyl Methacrylate	5.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Ethylbenzene	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Hexachlorobutadiene	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Hexanone[2-]	5.00	µg/L	UJ
08-1752	GW37-08-15105	VOC	SW-846:8260B	Iodomethane	5.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Isobutyl alcohol	50.00	µg/L	R
08-1752	GW37-08-15105	VOC	SW-846:8260B	Isopropylbenzene	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Isopropyltoluene[4-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Methacrylonitrile	5.00	µg/L	UJ
08-1752	GW37-08-15105	VOC	SW-846:8260B	Methyl Methacrylate	5.00	µg/L	UJ

Table C-1.3-1 (continued)

Request Number	Sample Name	Analytical Suite Code	Analytical Method Code	Analyte Description	Result	Unit	Validation Qualifier Code
08-1752	GW37-08-15105	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	5.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Methylene Chloride	5.00	µg/L	UJ
08-1752	GW37-08-15105	VOC	SW-846:8260B	Naphthalene	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Propionitrile	5.00	µg/L	R
08-1752	GW37-08-15105	VOC	SW-846:8260B	Propylbenzene[1-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Styrene	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Tetrachloroethene	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Toluene	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Trichloroethene	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Trichlorofluoromethane	1.00	µg/L	UJ
08-1752	GW37-08-15105	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	1.00	µg/L	UJ
08-1752	GW37-08-15105	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	1.00	µg/L	U

Table C-1.3-1 (continued)

Request Number	Sample Name	Analytical Suite Code	Analytical Method Code	Analyte Description	Result	Unit	Validation Qualifier Code
08-1752	GW37-08-15105	VOC	SW-846:8260B	Vinyl acetate	5.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Vinyl Chloride	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Xylene[1,2-]	1.00	µg/L	U
08-1752	GW37-08-15105	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	2.00	µg/L	U

[a] TU = Tritium unit.

[b] U = The analyte was analyzed for but not detected.

[c] HMX = Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine.

[d] UJ = The analyte was not positively identified in the sample, and the associated value is an estimate of the sample-specific detection or quantitation limit.

[e] PETN = Pentaerythritol tetranitrate.

[f] RDX = Hexahydro-1,3,5-trinitro-1,3,5-triazine.

[g] TATB = Triaminotrinitrobenzene.

[h] J = The analyte was positively identified, and the associated numerical value is estimated to be more uncertain than would normally be expected for that analysis.

[i] R = The data are rejected as a result of major problems with quality assurance/quality control parameters.