

**APPENDIX C2**  
**DATA ACCUMULATED FROM HEADSPACE-GAS ANALYSES**



## APPENDIX C2 DATA ACCUMULATED FROM HEADSPACE GAS ANALYSES

This appendix presents all available headspace waste characterization data. The data include drum headspace analytical results for approximately 900 drums of transuranic mixed waste from Idaho National Engineering Laboratory (INEL) and Rocky Flats Environmental Technology Site (RFETS). The waste characterization data cut-off date was September 29, 1995. Item Description Code, and Transuranic Package Transporter Content (TRUCON) Code column entries correspond to Waste Matrix Code groups as described in Chapter C, Table C-1.

To reflect expected proportions of different waste types, the data were weighted according to Waste Matrix Code Group volumes reported in the *Waste Isolation Pilot Plant Transuranic Waste Baseline Inventory Report* (BIR). Table C2-1 presents the weighted average headspace concentrations. The Waste Matrix Code Group (WMCG) volumes and the weighting factors used to calculate the average concentrations are presented in Table C2-2.

Before the data could be manipulated, the RFETS database structure was converted into a modified INEL database structure, and the data from the two sites were combined into a single database. The weighted averages were calculated using computer codes developed for this effort that were validated and verified through independent review of the codes and associated documentation.

The database was modified as follows before the weighted averages were calculated:

- TRUCON codes assigned to each waste drum were converted to a Waste Stream ID using the cross-correlation table in the BIR (DOE 1995a, app. F).
- The Waste Profile Forms from the BIR (DOE 1995a, vol. II) were used to determine the WMCG for each waste stream.
- If the data qualifier was "U," then one-half of the associated value, the sample quantitation limit (SQL) was used for the concentration in calculating the weighted average.
- If the qualifier was "E" or "JE" and a dilution analysis was available for that sample number, the dilution analysis was used for all analytes. Analytes in the diluted sample, qualified as "U," were treated as above.
- All "J"-qualified (estimated) data were used.
- All "B"-qualified (constituent found in blanks) data were used. This was a conservative treatment of the data in the absence of information on the level of contamination observed in the blank.





1 All WMCGs, with the exception of soils and unknown waste, were represented by the data from  
2 the INEL and RFETS. Since the soils and unknown waste groups comprise a small percentage  
3 of the entire inventory (0.74 and 0.97 percent, respectively), their contribution to the calculated  
4 average concentrations was assumed to be insignificant. The weighted averages were  
5 calculated by:  
6

$$\bar{x} = \sum_{i=1}^t w_i \bar{x}_i \quad (C2-1)$$

7 where,  
8

9  $\bar{x}$  = weighted average  
10  $\bar{x}_i$  = average for WMCG  $i$   
11  $w_i$  = weighting factor for WMCG  $i$   
12  $t$  = number of WMCGs,  
13

14 and  $\bar{x}_i$  was calculated by:  
15

$$\bar{x}_i = \frac{1}{n_i} \sum_{j=1}^{n_i} x_{ij} \quad (C2-2)$$

16 where,  
17

18  $n_i$  = number of samples in WMCG  $i$   
19  $x_{ij}$  = analysis  $j$  for WMCG  $i$ .  
20

21 For several volatile organic compounds (VOC) (carbon disulfide, isobutanol, 1,1,2-  
22 trichloroethane, trichlorofluoromethane, and vinyl chloride), headspace sampling data were not  
23 available. The headspace concentrations of these VOCs for screening purposes and for  
24 calculation of migration concentrations were assumed to be equal to one-half of the SQL. The  
25 SQLs for these VOCs were calculated from information on the required method detection limits  
26 (8 nanograms per 10-milliliter sample) contained in the *Transuranic Waste Characterization*  
27 *Quality Assurance Program Plan Transuranic Waste Characterization Program Sampling and*  
28 *Analysis Methods Manual*:  
29

The SQL is the Method Detection Limit (MDL) expressed in part(s) per million per volume (ppmv). 1  
2

$$SQL = \frac{R \times T}{P \times MW} \times MDL \times (10^6 \text{ ppmv/mole-fraction}) \quad (C2-3)$$

where, 3

SQL = sample quantitation limit for the VOC, ppmv 4

R = Ideal Gas Constant, 0.082 L·atm/mol·K 5

T = temperature, 298 K 6

P = pressure, 1 atm 7

MW = molecular weight of VOC, g/mole 8

MDL = method detection limit of VOC, g/L 9

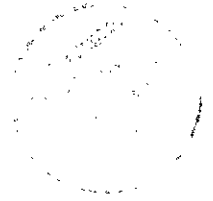
The minimum, maximum, and median concentrations for each compound are shown in Table C2-3, separated by the waste matrix code. These values show that the distribution of data is not normal and, therefore, using the weighted average headspace concentrations in calculations is a conservative approach. 10  
11  
12  
13

Table C2-4 contains the headspace gas data by drum number. 14



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**REFERENCE**

DOE (U.S. Department of Energy). 1995a. *Waste Isolation Pilot Plant Transuranic Waste Baseline Inventory Report*. DOE/CAO-94-1005, Rev. 1. U.S. Department of Energy, Carlsbad Area Office, Carlsbad, NM.



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DOE (U.S. Department of Energy). 1995b. *Transuranic Waste Characterization Quality Assurance Program Plan*. Rev. 0. U.S. Department of Energy, Carlsbad Area Office, Waste Isolation Pilot Plant, Carlsbad, NM.

DOE (U.S. Department of Energy). 1995c. *Transuranic Waste Characterization Sampling and Analysis Methods Manual*. Rev. 0. U.S. Department of Energy, Carlsbad Area Office, Waste Isolation Pilot Plant, Carlsbad, NM.





**TABLE C2-1  
 WEIGHTED AVERAGE CONCENTRATIONS OF HEADSPACE GASES**

Constituent	Weighted Average (ppmv)
1,1,1-Trichloroethane	3.17E+02
1,1,2,2-Tetrachloroethane	9.35E+00
1,1,2-Trichloro-1,2,2-trifluoroethane	3.30E+01
1,1-Dichloroethane	1.02E+01
1,1-Dichloroethylene	1.15E+01
1,2,4-Trimethylbenzene	1.22E+01
1,2-Dichloroethane	9.07E+00
1,3,5-Trimethylbenzene	8.62E+00
Butanol	7.81E+01
Methyl ethyl ketone	6.37E+01
Methyl isobutyl ketone	7.90E+01
Acetone	7.98E+01
Benzene	9.25E+00
Bromoform	9.38E+00
Carbon tetrachloride	3.76E+02
Chlorobenzene	1.25E+01
Chloroform	2.53E+01
(cis)-1,2-Dichloroethylene	8.97E+00
Cyclohexane	2.75E+01
Ethyl benzene	1.16E+01
Ethyl ether	1.33E+01
Methanol	2.13E+02
Methylene chloride	3.68E+02
o-Xylene	1.60E+01
p/m-Xylene	1.93E+01
Tetrachloroethylene	9.40E+00
Toluene	1.94E+01
Trichloroethylene	2.51E+01



**Table C2-2**  
**TRU Waste Disposal Inventory and Weighting Factors for Weighted Average Calculation**

Waste Matrix Code Groups	Stored Volumes (cubic meters)	Projected Volumes (cubic meters)	Scaled Volumes (cubic meters)	Weighting Factor
<b>Contact-Handled Waste</b>				
Combustible	7.10E+03	2.70E+04	6.20E+04	3.53E-01
Filter	4.30E+02	1.10E+03	2.60E+03	1.48E-02
Graphite	6.70E+02	4.30E+01	7.60E+02	4.30E-03
Heterogeneous	3.00E+04	4.60E+03	3.90E+04	2.22E-01
Inorganic non-metal	1.20E+03	3.20E+02	1.80E+03	1.02E-02
Lead/cadmium metal	5.60E+01	1.30E+02	3.10E+02	1.80E-03
Salt waste	3.30E+01	6.00E+01	1.50E+02	8.52E-04
Soils	3.70E+02	4.50E+02	1.30E+03	7.39E-03
Solidified inorganics	1.70E+04	8.00E+03	3.40E+04	1.94E-01
Solidified organics	1.50E+03	3.00E+02	2.10E+03	1.20E-02
Uncategorized metal	1.20E+04	8.60E+03	3.00E+04	1.71E-01
Unknown	1.70E+03	0.00E+00	1.70E+03	9.66E-03
<b>TOTAL</b>	<b>7.21E+04</b>	<b>5.06E+04</b>	<b>1.76E+05</b>	<b>1.00</b>
<b>Remote-Handled Waste</b>				
Combustible	1.50E+01	3.20E+00	2.00E+01	2.80E-03
Filter	8.90E-01	2.10E+00	4.30E+01	6.02E-03
Heterogeneous	4.40E+02	3.30E+03	5.90E+03	8.26E-01
Inorganic non-metal				
Lead/cadmium metal	0.00E+00	6.00E+00	9.80E+00	1.37E-03
Salt waste	0.00E+00	2.80E+00	4.60E+00	6.44E-04
Solidified inorganic	6.10E+02	1.70E+02	9.00E+02	1.26E-01
Uncategorized metal	8.80E+01	8.60E+01	2.30E+02	3.22E-02
Unknown	1.10E+01	2.40E+01	3.50E+01	4.90E-03
<b>TOTAL</b>	<b>1.16E+03</b>	<b>3.59E+03</b>	<b>7.14E+03</b>	<b>1.00</b>



**Table C2-3  
Minimum, Maximum, and Median Values of Waste Matrix Code Groups**

Waste Matrix Code Group	Value	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Dichloroethene	Acetone	Methylene Chloride	1,1-Dichloroethane	(cis)-1,2-Dichloroethene
Combustible	Minimum	5.00	0.02	0.03	0.02	3.60	0.15	0.02	0.01
	Maximum	360.00	110.00	180.00	120.00	59.00	270.00	130.00	93.00
	Median	17.00	0.44	0.50	0.52	17.00	2.70	0.37	0.30
Filter	Minimum	1.30	0.02	0.03	0.02	0.56	0.02	0.04	0.02
	Maximum	245.44	1.60	3.08	5.20	844.03	2.22	2.00	0.76
	Median	17.00	0.20	0.22	0.26	17.00	0.40	0.21	0.16
Graphite	Minimum	5.00	0.01	0.03	0.02	5.00	0.02	0.01	0.01
	Maximum	610.00	2.60	1.60	2.40	51.00	23.00	35.00	1.20
	Median	17.00	0.02	0.04	0.02	17.00	0.07	0.03	0.02
Heterogeneous	Minimum	1.30	0.03	0.06	0.10	0.50	0.10	0.02	0.02
	Maximum	4750.00	384.00	798.33	880.24	3000.00	29668.00	250.00	250.00
	Median	16.26	0.40	0.40	0.40	9.60	0.54	0.40	0.30
Inorganic non-metal	Minimum	1.96	0.01	0.04	0.02	2.40	0.03	0.02	0.01
	Maximum	147.84	3.80	2.40	44.00	62.00	56.00	52.00	2.10
	Median	17.00	0.18	0.14	0.17	17.00	0.56	0.26	0.09
Lead/cadmium metal waste	Minimum	1.30	0.20	0.10	0.10	3.15	0.10	0.10	0.06
	Maximum	1710.00	90.00	90.00	113.67	1080.00	90.00	90.00	90.00
	Median	8.47	0.47	0.28	0.24	23.83	5.80	0.75	0.24



**Table C2-3  
Minimum, Maximum, and Median Values of Waste Matrix Code Groups  
(Continued)**

Waste Matrix Code Group	Value	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Dichloroethene	Acetone	Methylene Chloride	1,1-Dichloroethane	(cis)-1,2-Dichloroethene
Salt waste	Minimum	5.00	0.02	0.04	0.02	5.00	0.05	0.01	0.01
	Maximum	17.00	1.00	6.70	1.00	37.00	3.30	2.20	0.47
	Median	5.00	0.06	0.06	0.07	5.00	0.25	0.05	0.03
Soils	Minimum	-	-	-	-	-	-	-	-
	Maximum	-	-	-	-	-	-	-	-
	Median	-	-	-	-	-	-	-	-
Solidified Inorganics	Minimum	1.30	0.01	0.01	0.02	0.00	0.02	0.01	0.01
	Maximum	4900.00	500.00	12000.00	460.00	130.00	440.00	380.00	230.00
	Median	6.06	0.20	0.46	0.26	5.00	0.36	0.21	0.13
Solidified Organics	Minimum	1.90	0.06	0.05	0.05	1.20	0.08	0.02	0.03
	Maximum	82991.00	4367.90	20000.00	4367.9	52415.00	8080.9	4367.90	4367.90
	Median	17.00	2.08	1.85	5.00	17.00	3.38	1.00	1.00
Uncategorized metal	Minimum	2.70	0.01	0.02	0.02	0.50	0.02	0.01	0.01
	Maximum	30221.00	2400.00	1200.00	1200.00	6000.00	179752.0	1200.00	1200.00
	Median	17.00	0.39	0.30	0.32	17.00	0.78	0.24	0.24
Unknown	Minimum	-	-	-	-	-	-	-	-
	Maximum	-	-	-	-	-	-	-	-
	Median	-	-	-	-	-	-	-	-

**Table C2-3**  
**Minimum, Maximum, and Median Values of Waste Matrix Code Groups**  
**(Continued)**

Waste Matrix Code Group	Value	2-Butanone	Chloroform	1,1,1-Trichloroethane	Cyclohexane	Carbon Tetrachloride	Benzene	1,2-Dichloroethane	1-Butanol
Combustible	Minimum	1.00	0.06	0.05	0.02	0.02	0.04	0.02	1.20
	Maximum	18.00	1100.00	920.00	740.00	25000.00	78.00	110.00	18.00
	Median	17.00	2.80	48.00	0.45	0.83	0.42	0.42	17.00
Filter	Minimum	0.50	0.01	0.03	0.02	0.02	0.01	0.02	0.50
	Maximum	17.00	0.82	120.00	2.69	36.00	6.90	1.50	17.00
	Median	5.58	0.26	0.50	0.27	0.22	0.26	0.21	6.00
Graphite	Minimum	5.00	0.01	0.02	0.01	0.02	0.01	0.01	5.00
	Maximum	17.00	1.60	250.00	0.19	1.20	1.50	1.20	17.00
	Median	17.00	0.02	0.10	0.02	0.06	0.02	0.02	17.00
Heterogeneous	Minimum	0.50	0.04	0.10	0.03	0.09	0.06	0.03	0.50
	Maximum	2250.00	2074.30	14569.00	1922.1	6912.50	250.00	250.00	2304.0
	Median	4.50	0.40	0.67	1.18	0.55	0.50	0.37	3.85
Inorganic non-metal	Minimum	0.60	0.01	0.09	0.02	0.07	0.01	0.01	0.87
	Maximum	17.00	22.00	320.00	110.00	83.00	2.20	1.70	17.00
	Median	17.00	0.30	9.80	0.14	0.33	0.19	0.10	17.00
Lead/cadmium metal waste	Minimum	0.50	0.10	0.10	0.10	0.10	0.10	0.10	1.10
	Maximum	810.00	90.00	5612.30	90.00	2006.3	90.00	90.00	450.00
	Median	4.67	1.70	0.32	0.29	2.62	2.35	0.86	4.30

**Table C2-3  
Minimum, Maximum, and Median Values of Waste Matrix Code Groups  
(Continued)**

Waste Matrix Code Group	Value	2-Butanone	Chloroform	1,1,1-Trichloroethane	Cyclohexane	Carbon Tetrachloride	Benzene	1,2-Dichloroethane	1-Butanol
Salt Waste	Minimum	5.00	0.01	0.10	0.01	0.07	0.01	0.01	5.00
	Maximum	17.00	2.30	23.00	0.72	50.00	0.58	0.46	17.00
	Median	5.00	0.06	0.39	0.10	0.16	0.09	0.03	5.00
Soils	Minimum	-	-	-	-	-	-	-	-
	Maximum	-	-	-	-	-	-	-	-
	Median	-	-	-	-	-	-	-	-
Solidified inorganic	Minimum	0.50	0.01	0.04	0.01	0.01	0.01	0.01	0.50
	Maximum	130.00	250.00	21000.00	1700.00	43000.00	290.00	230.00	132.00
	Median	5.00	0.13	4.70	0.29	0.28	0.24	0.13	5.00
Solidified organic	Minimum	0.50	0.04	0.12	0.04	0.07	0.10	0.03	0.50
	Maximum	39311.00	6023.40	85795.00	4367.9	88979.00	4367.90	4367.9	32467.00
	Median	17.00	1.35	81.50	1.75	1.60	3.00	0.99	17.00
Uncategorized metal	Minimum	0.50	0.01	0.05	0.01	0.02	0.01	0.01	0.50
	Maximum	6000.00	1200.0	5400.00	1200.00	1200.00	1200.00	1200.00	14400.00
	Median	17.00	0.32	12.50	0.31	0.39	0.37	0.24	17.00
Unknown	Minimum	-	-	-	-	-	-	-	-
	Maximum	-	-	-	-	-	-	-	-
	Median	-	-	-	-	-	-	-	-

**Table C2-3**  
**Minimum, Maximum, and Median Values of Waste Matrix Code Groups**  
**(Continued)**

Waste Matrix Code Group	Value	Trichloro ethylene	Methyl isobutyl ketone	Toluene	Tetrachloro ethene	Chlorobenzene	Ethyl benzene	m,p-Xylene	o-Xylene
Combustible	Minimum	0.02	1.10	0.18	0.01	0.02	0.02	0.05	0.02
	Maximum	340.00	18.00	130.00	110.00	120.00	130.00	150.00	130.0
	Median	0.61	17.00	4.00	0.33	0.34	0.38	0.55	0.46
Filter	Minimum	0.02	0.10	0.03	0.02	0.02	0.02	0.02	0.02
	Maximum	260.00	17.00	53.00	2.80	1.20	1.00	1.40	1.00
	Median	0.40	4.59	2.77	0.30	0.20	0.20	0.24	0.21
Graphite	Minimum	0.01	5.00	0.02	0.01	0.01	0.01	0.01	0.01
	Maximum	3.00	51.00	9.40	1.10	1.40	2.30	7.60	2.50
	Median	0.02	17.00	0.07	0.02	0.02	0.02	0.02	0.02
Heterogeneous	Minimum	0.03	0.60	0.13	0.03	0.03	0.03	0.05	0.03
	Maximum	1600.00	2750.00	574.53	250.00	384.00	1996.80	8500.1	2764.00
	Median	0.40	4.40	13.98	0.30	0.40	0.40	0.46	0.60
Inorganic non-metal	Minimum	0.01	1.10	0.06	0.01	0.01	0.01	0.01	0.01
	Maximum	390.00	18.00	45.00	14.00	2.00	2.10	5.10	2.30
	Median	0.24	17.00	2.10	0.09	0.10	0.12	0.13	0.13
Lead/cadmium metal waste	Minimum	0.05	0.60	0.22	0.05	0.06	0.06	0.10	0.10
	Maximum	90.00	990.00	90.00	90.00	90.00	90.00	90.00	180.00
	Median	0.24	2.79	5.62	0.24	0.47	0.29	0.54	0.91



**Table C2-3  
Minimum, Maximum, and Median Values of Waste Matrix Code Groups  
(Continued)**

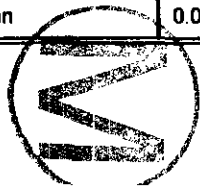
Waste Matrix Code Group	Value	Trichloro ethylene	Methyl isobutyl ketone	Toluene	Tetrachloro ethene	Chlorobenzene	Ethyl benzene	m,p-Xylene	o-Xylene
Salt waste	Minimum	0.01	5.00	0.43	0.01	0.01	0.01	0.01	0.01
	Maximum	12.00	17.00	12.00	0.46	0.54	0.57	0.57	0.57
	Median	0.11	5.00	5.00	0.03	0.03	0.04	0.05	0.04
Soils	Minimum	-	-	-	-	-	-	-	-
	Maximum	-	-	-	-	-	-	-	-
	Median	-	-	-	-	-	-	-	-
Solidified Inorganics	Minimum	0.01	0.60	0.01	0.01	0.01	0.01	0.01	0.01
	Maximum	230.00	130.00	320.00	220.00	260.00	280.00	386.14	0.280
	Median	0.16	5.00	2.20	0.12	0.16	0.15	0.26	0.20
Solidified Organics	Minimum	0.03	0.60	0.43	0.03	0.03	0.03	0.03	0.03
	Maximum	4367.90	48047.50	6991.60	4367.90	4367.9	4367.90	8626.8	8735.9
	Median	20.50	17.00	18.00	1.40	1.20	1.25	1.30	1.45
Uncategorized metals	Minimum	0.01	0.70	0.02	0.01	0.01	0.01	0.01	0.01
	Maximum	1821.1	8400.00	1494.70	1200.00	2400.00	1200.0	1200.0	1200.00
	Median	0.40	17.00	5.10	0.24	0.28	0.29	0.32	0.30
Unknown	Minimum	-	-	-	-	-	-	-	-
	Maximum	-	-	-	-	-	-	-	-
	Median	-	-	-	-	-	-	-	-





**Table C2-3  
Minimum, Maximum, and Median Values of Waste Matrix Code Groups  
(Continued)**

Waste Matrix Code Group	Value	Bromoform	1,1,2,2-Tetra chloroethane	1,3,5-Trimethyl benzene	1,2,4-Trimethyl benzene
Combustible	Minimum	0.02	0.02	0.01	0.01
	Maximum	160.00	140.00	77.00	93.00
	Median	0.40	0.38	0.24	0.26
Filter	Minimum	0.03	0.02	0.01	0.02
	Maximum	1.30	1.10	0.61	1.20
	Median	0.20	0.20	0.13	0.20
Graphite	Minimum	0.01	0.01	0.01	0.01
	Maximum	1.20	1.40	0.95	2.00
	Median	0.02	0.02	0.01	0.02
Heterogeneous	Minimum	0.03	0.03	0.02	0.02
	Maximum	250.00	250.00	250.00	384.00
	Median	0.30	0.30	0.30	0.40
Inorganic non-metal	Minimum	0.01	0.01	0.01	0.01
	Maximum	5.00	2.00	1.40	1.60
	Median	0.09	0.10	0.07	0.08
Lead/cadmium metal waste	Minimum	0.05	0.06	0.04	0.06
	Maximum	90.00	90.00	90.00	90.00
	Median	0.24	0.24	0.24	0.47
Salt waste	Minimum	0.01	0.01	0.01	0.01
	Maximum	0.48	0.54	0.38	0.38
	Median	0.03	0.03	0.03	0.04



**Table C2-3  
Minimum, Maximum, and Median Values of Waste Matrix Code Groups  
(Continued)**

Waste Matrix Code Group	Value	Bromoform	1,1,2,2-Tetra chloroethane	1,3,5-Trimethyl benzene	1,2,4-Trimethyl benzene
Soils	Minimum	-	-	-	-
	Maximum	-	-	-	-
	Median	-	-	-	-
Solidified inorganics	Minimum	0.01	0.01	0.01	0.01
	Maximum	240.00	270.00	190.00	250.00
	Median	0.13	0.13	0.10	0.18
Solidified organics	Minimum	0.03	0.03	0.02	0.02
	Maximum	4367.90	4367.96	4367.90	4367.90
	Median	1.05	1.20	0.83	0.99
Uncategorized metals	Minimum	0.01	0.01	0.01	0.01
	Maximum	1200.00	1200.00	1200.00	2400.00
	Median	0.23	0.26	0.20	0.23
Unknown	Minimum	-	-	-	-
	Maximum	-	-	-	-
	Median	-	-	-	-





**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

rum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Dichloroethene	Acetone	Methylene Chloride	1,1-Dichloroethane	cis-1,2-Dichloroethene
000365	RFETS	Uncategorized Metal	217	480	17.00 U	24.00 U	15.00 U	22.00 U	32.00 J	280.00	18.00 U	11.00 U
000371	INEL	Graphite	215	300	17.00 U	0.02 U	0.60 J	0.03 U	17.00 U	0.76 J	0.03 U	0.03 U
000373	INEL	Graphite	215	300	17.00 U	0.02 U	0.04 J	0.02 U	17.00 U	0.07 J	0.02 U	0.02 U
000384	RFETS	Uncategorized Metal	217	320	5.00 U	0.02 U	0.02 J	0.02 U	5.00 U	0.05 J	0.01 U	0.01 U
000393	INEL	Uncategorized Metal	217	480	17.00 U	0.06 U	0.08 J	0.05 U	17.00 U	0.17 J	0.04 U	0.03 U
000401	RFETS	Inorganic Non-metal	222	371	5.00 U	0.03 U	0.04 J	0.03 U	8.70 J	0.51 U	0.02 U	0.01 U
000403	INEL	Inorganic Non-metal	218	440	17.00 U	0.06 U	0.13 J	0.05 U	17.00 U	0.33 J	0.04 U	0.03 U
000405	RFETS	Uncategorized Metal	217	480	8.00 J	1.80 U	1.10 U	1.60 U	55.00 J	250.00	1.30 U	0.81 U
000436	INEL	Solidified Organics	212	3	17.00 U	35.00 U	740.00	44.00 U	17.00 U	56.00 U	42.00 U	40.00 U
000442	INEL	Solidified Inorganics	213	4	3300.0	0.04 U	0.08 U	0.06 U	51.00 U	1.90	0.05 U	0.05 U
000446	RFETS	Solidified Inorganics	211	1	5.00 U	0.02 U	0.04 J	0.02 U	5.00 U	0.08 J	0.01 U	0.01 U
000478	RFETS	Solidified Inorganics	211	1	5.00 U	0.02 U	0.05 J	0.02 U	5.00 U	0.13	0.01 U	0.01 U
000501	INEL	Graphite	215	300	17.00 U	0.02 U	0.03 J	0.02 U	17.00 U	0.05 J	0.02 U	0.02 U
000558	INEL	Heterogeneous	221	464	17.00 U	0.19 U	0.12 U	0.17 U	17.00 U	0.35 J	0.14 U	0.09 U
000567	RFETS	Inorganic Non-metal	222	371	17.00 J	3.20 U	2.00 J	3.00 U	5.00 U	56.00	2.40 U	1.50 U
000568	RFETS	Solidified Organics	226	432	17.00 U	2.00 U	1.20 U	1.80 U	17.00 U	1.40 U	1.50 U	0.90 U
000593	INEL	Solidified Inorganics	211	7	17.00 U	0.01 U	0.30 J	0.02 U	17.00 U	0.13 J	0.02 U	0.02 U
000613	INEL	Graphite	215	300	17.00 U	0.06 U	0.04 J	0.05 U	17.00 U	0.04 U	0.04 U	0.03 U
000630	INEL	Solidified Inorganics	213	4	4300.0	0.05 U	0.10 U	0.07 U	51.00 U	0.23 J	0.07 U	0.06 U
000648	RFETS	Solidified Inorganics	213	4	1700.0 D	0.06 U	0.04 U	0.05 U	70.00 U	0.47 D	0.04 U	0.03 U
000675	RFETS	Inorganic Non-metal	218	440	6.20 J	0.30 U	0.19 J	0.27 U	14.00 J	0.62 J	0.22 U	0.14 U
000823	RFETS	Solidified Inorganics	213	4	3700.0 D	0.04 U	0.19 JB	0.04 U	120.00 U	1.50	0.03 U	0.02 U
000828	INEL	Graphite	215	300	17.00 U	0.02 U	0.04 J	0.02 U	17.00 U	0.05 J	0.02 U	0.02 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**



Item #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Dichloroethene	Acetone	Methylene Chloride	1,1-Dichloroethane	cis-1,2-Dichloroethene
001016	INEL	Graphite	215	300	17.00 U	0.02 U	0.03 J	0.02 U	17.00 U	0.05 J	0.02 U	0.02 U
001024	INEL	Graphite	215	300	24.00 J	0.02 U	0.03 J	0.02 U	17.00 U	0.07 J	0.02 U	0.02 U
001084	INEL	Solidified Inorganics	213	4	17.00 U	0.02 U	0.13 JB	0.02 U	17.00 U	0.19 J	0.02 U	0.02 U
001139	INEL	Solidified Inorganics	211	7	17.00 U	0.13 U	0.31 J	0.76 J	17.00 U	0.21 U	0.19 J	0.15 U
001157	INEL	Combustible	223	339	17.00 U	0.06 U	0.04 J	0.05 U	17.00 U	1.60	0.07 J	0.03 U
001161	INEL	Graphite	215	300	17.00 U	0.02 U	0.03 U	0.03 U	17.00 U	0.05 J	0.03 U	0.02 U
001258	RFETS	Solidified Inorganics	211	1	5.00 U	0.02 U	0.16	0.02 U	5.00 U	0.09 J	0.01 U	0.01 U
001370	INEL	Combustible	223	339	17.00 U	0.11 U	0.77 J	0.12 U	17.00 U	2.00	0.13 U	0.09 U
001377	INEL	Combustible	223	339	17.00 U	0.06 U	0.08 J	0.05 U	17.00 U	4.10	0.02 U	0.04 J
001410	INEL	Solidified Inorganics	214	292	17.00 U	0.24 U	0.15 U	0.22 U	17.00 U	0.19 J	0.18 U	0.11 U
001437	RFETS	Solidified Inorganics	211	7	5.00 U	0.02 U	0.03 J	0.04 J	7.20 J	0.45	0.02 J	0.01 U
001475	RFETS	Solidified Inorganics	211	1	5.00 U	0.39 U	23.00 D	0.36 U	5.00 U	0.21 U	0.29 U	0.18 U
001493	RFETS	Solidified Inorganics	211	1	5.00 U	0.02 U	0.15	0.02 U	5.00 U	0.08 J	0.01 U	0.01 U
001619	INEL	Graphite	215	300	17.00 U	0.06 U	0.06 J	0.05 U	17.00 U	0.05 J	0.04 U	0.03 U
001625	INEL	Graphite	215	300	17.00 U	0.01 U	0.04 J	0.02 U	17.00 U	0.08 J	0.02 U	0.02 U
001633	INEL	Solidified Organics	226	432	17.00 U	1.40 U	0.89 U	1.30 U	17.00 U	0.98 U	1.00 U	0.89 J
001655	INEL	Combustible	223	339	17.00 U	3.80 U	2.40 U	3.40 U	17.00 U	3.00 J	0.02 U	1.70 U
001662	INEL	Graphite	215	300	17.00 U	0.01 U	0.06 J	0.02 U	17.00 U	0.04 J	0.02 U	0.02 U
001663	RFETS	Solidified Organics	226	432	17.00 U	0.84 U	0.53 U	0.77 U	17.00 U	140.00	0.63 U	0.39 U
001667	INEL	Graphite	215	300	17.00 U	0.01 U	0.06 J	0.02 U	17.00 U	0.08 J	0.02 U	0.02 U
001670	RFETS	Salt Waste	224	411	5.00 U	0.07 U	0.06 J	0.07 U	5.00 U	0.85	0.06 U	0.03 U
001677	INEL	Heterogeneous	221	302	17.00 U	0.38 U	0.70 U	0.50 J	17.00 U	0.74 J	0.46 U	0.58 J
001678	RFETS	Combustible	223	339	5.00 U	0.20 U	0.28 J	0.18 U	18.00 J	7.40	1.20	0.09 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
001689	INEL	Heterogeneous	221	302	17.00 U	0.07 U	0.06 J	0.07 U	17.00 U	0.68	0.06 U	0.03 U
001692	RFETS	Solidified Organics	226	432	17.00 U	0.51 U	0.32 U	0.46 U	17.00 U	0.35 U	0.38 U	0.23 U
001695	INEL	Combustible	223	339	17.00 U	3.20 U	2.00 U	3.00 U	2.40 U	4.80 J	0.03 U	1.50 U
001697	INEL	Graphite	215	300	17.00 U	0.01 U	0.05 J	0.02 U	17.00 U	0.07 J	0.02 U	0.02 U
001751	RFETS	Uncategorized Metal	217	320	5.00 U	0.02 U	0.03 J	0.02 U	5.00 U	0.09 J	0.01 U	0.01 U
001752	INEL	Graphite	215	300	17.00 U	0.01 U	0.04 J	0.02 U	17.00 U	0.08 J	0.02 U	0.02 U
001754	INEL	Uncategorized Metal	217	320	11.00 U	0.37 U	0.15 J	0.20 U	17.00 U	1.70 B	5.60 U	0.04 U
001757	INEL	Inorganic Non-metal	222	371	17.00 U	0.06 U	0.07 JB	0.05 U	17.00 U	0.19 J	0.04 U	0.03 U
001773	INEL	Graphite	215	300	17.00 U	0.01 U	0.04 J	0.02 U	17.00 U	0.10 J	35.00 U	0.02 U
001779	INEL	Graphite	215	300	17.00 U	0.01 U	0.04 J	0.02 U	17.00 U	0.04 J	0.04 U	0.02 U
001784	INEL	Combustible	223	339	17.00 U	0.06 U	0.07 J	0.05 U	17.00 U	1.10	0.02 U	0.03 U
001813	INEL	Solidified Inorganics	213	4	17.00 U	4.60 U	8.60 JB	5.90 U	17.00 U	7.40 U	0.30 J	5.40 U
001873	INEL	Solidified Inorganics	214	292	17.00 U	0.07 U	0.05 J	0.06 U	17.00 U	0.05 U	0.05 U	0.03 U
001899	RFETS	Solidified Inorganics	211	3	92.00 J	260.00 U	3300.0 B	240.00 U	5.70 J	230.00 U	200.00 U	120.00
001900	INEL	Solidified Inorganics	214	292	17.00 U	0.07 U	0.07 J	0.08 J	17.00 U	0.05 J	0.05 U	0.03 U
001919	RFETS	Uncategorized Metal	217	320	5.00 U	0.02 U	0.03 J	0.02 U	5.00 U	0.20	0.01 U	0.01 U
001937	RFETS	Solidified Organics	212	3	74.00 J	31.00 U	31.00 JB	29.00 U	6.90 J	27.00 U	24.00 U	14.00 U
002013	RFETS	Solidified Organics	212	3	68.00 J	22.00 U	17.00 JB	20.00 U	5.00 U	20.00 U	17.00 U	10.00 U
002046	INEL	Solidified Organics	212	3	17.00 U	29.00 U	140.00	37.00 U	17.00 U	46.00 U	1.30	34.00 U
002065	INEL	Solidified Inorganics	214	292	5.00 U	0.21 U	0.13 U	0.19 U	5.00 U	0.18 U	0.16 U	0.10 U
002084	INEL	Solidified Inorganics	213	4	1900.0	0.03 U	0.11 J	0.04 U	0.00	0.47 J	7.60 U	0.03 U
002220	RFETS	Uncategorized Metal	217	481	5.00 U	0.06 U	0.04 U	0.05 U	5.00 U	0.98	1.10	0.03 U
002222	INEL	Graphite	215	300	79.00 J	0.02 U	0.06 J	0.02 U	17.00 U	0.07 J	0.07 U	0.02 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

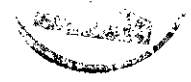
rum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
002338	RFETS	Inorganic Non-metal	222	371	17.00 U	1.60 U	1.00 U	1.40 U	17.00 U	1.10 U	1.20 U	0.72 U
002354	INEL	Combustible	223	339	17.00 U	0.06 U	0.09 U	0.07 U	17.00 U	4.20	0.04 U	0.05 U
002363	INEL	Inorganic Non-metal	222	371	17.00 U	0.06 U	0.09 JB	0.05 U	17.00 U	0.32 J	0.04 U	0.03 U
002365	INEL	Uncategorized Metal	217	480	17.00 U	0.14 U	0.09 U	0.13 U	17.00 U	6.20	0.04 U	0.06 U
002542	INEL	Solidified Organics	212	3	17.00 U	6.30 U	47.00	7.90 U	17.00 U	10.00 U	77.00 U	7.30 U
002678	RFETS	Solidified Organics	226	432	17.00 U	1.80 U	1.10 U	1.60 U	17.00 U	1.30 U	1.40 U	0.82 U
002791	INEL	Inorganic Non-metal	222	371	17.00 U	0.09 U	0.11 J	0.09 U	17.00 U	0.64	36.00 U	0.04 U
002797	RFETS	Solidified Organics	226	432	17.00 U	0.90 U	0.57 U	0.82 U	17.00 U	0.63 U	0.67 U	0.41 U
002814	RFETS	Solidified Inorganics	211	7	5.00 U	0.41 U	31.00	0.52 J	5.00 U	0.36 U	0.31 U	0.19 U
003017	INEL	Solidified Inorganics	211	1	5.00 U	0.10 U	0.06 U	0.09 U	5.00 U	1.00	0.08 U	0.05 U
003088	INEL	Inorganic Non-metal	222	371	17.00 U	0.06 U	0.08 J	0.05 U	17.00 U	0.56	0.04 J	0.03 U
003091	RFETS	Inorganic Non-metal	222	371	64.00 J	0.06 U	0.07 J	0.05 U	17.00 U	0.14 J	0.04 U	0.03 U
003111	INEL	Inorganic Non-metal	222	371	17.00 U	0.06 U	0.10 J	0.05 U	15.00 U	0.46	0.25 J	0.03 U
003121	RFETS	Solidified Inorganics	211	7	5.00 U	0.28 U	17.00 D	0.25 U	5.00 U	0.24 U	0.21 U	0.13 U
003129	RFETS	Solidified Inorganics	211	7	5.00 U	0.04 U	2.40	0.06 J	5.00 U	0.10 J	0.03 U	0.02 U
003130	RFETS	Solidified Inorganics	211	7	5.00 U	0.08 U	5.00 D	0.09 JD	5.00 U	0.13 JD	0.06 U	0.04 U
003173	RFETS	Solidified Inorganics	211	7	5.00 U	0.03 U	1.00	0.03 J	5.00 U	0.12 J	0.03 U	0.02 U
003181	RFETS	Solidified Inorganics	211	7	5.00 U	0.03 U	0.23	0.03 U	5.00 U	0.05 J	0.02 U	0.01 U
003189	INEL	Solidified Organics	212	3	17.00 U	64.00 U	1800.0	81.00 U	17.00 U	100.00 U	0.02 U	74.00 U
003192	RFETS	Solidified Inorganics	211	7	5.00 U	0.46 U	20.00	0.77 J	7.10 J	7.20	0.35 U	0.21 U
003215	RFETS	Solidified Inorganics	211	7	5.00 U	0.03 U	1.60	0.08 J	5.00 U	0.12 J	0.02 U	0.01 U
003277	RFETS	Solidified Inorganics	211	1	5.00 U	0.02 U	0.04 J	0.02 U	5.00 U	0.08 J	0.01 U	0.01 U
003394	RFETS	Solidified Inorganics	211	7	5.00 U	0.06 U	0.09 J	0.07 J	5.00 U	0.26 J	0.04 U	0.03 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**



Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
003406	RFETS	Solidified Inorganics	211	7	5.00 U	0.02 U	1.00	0.02 J	5.00 U	0.06 J	0.01 U	0.01 U
003455	RFETS	Solidified Inorganics	211	3	190.00	500.00 U	12000 B	460.00 U	10.00 J	440.00 U	380.00 U	230.00 U
003547	RFETS	Solidified Inorganics	211	7	5.00 U	0.18 U	0.51 J	0.17 U	5.00 U	0.16 U	0.14 U	0.08 U
003577	RFETS	Solidified Inorganics	211	1	5.00 U	0.02 U	0.04 J	0.02 U	5.00 U	0.07 J	0.02 U	0.01 U
003854	INEL	Solidified Organics	212	3	17.00 U	29.00 U	400.00	37.00 U	17.00 U	47.00 U	0.04 J	34.00 U
003890	INEL	Solidified Inorganics	111	7	5.00 U	0.06 U	0.13 J	0.05 U	5.00 U	0.11 J	0.04 U	0.03 U
003921	INEL	Solidified Inorganics	111	7	5.00 U	0.07 U	0.17 J	0.06 U	5.00 U	0.14 J	0.05 U	0.03 U
003991	INEL	Combustible	223	339	17.00 U	0.02 U	0.03 U	0.02 U	17.00 U	1.30	0.02 U	0.02 U
003997	INEL	Combustible	223	339	15.00 U	0.04 U	0.06 U	0.04 U	17.00 U	5.00	130.00 U	0.03 U
004099	INEL	Solidified Inorganics	211	1	5.00 U	0.03 U	0.04 J	0.03 U	5.00 U	0.06 J	0.02 U	0.01 U
004111	RFETS	Salt Waste	224	411	5.00 U	0.06 U	0.04 U	0.05 U	5.00 U	0.25 J	0.04 U	0.03 U
004112	INEL	Graphite	215	300	17.00 U	0.02 U	0.04 J	0.02 U	17.00 U	0.09 J	0.04 J	0.02 U
004123	INEL	Combustible	223	339	17.00 U	0.02 U	0.03 U	0.02 U	17.00 U	3.00	0.02 U	0.02 U
004125	INEL	Uncategorized Metal	217	480	17.00 U	0.06 U	0.04 U	0.05 U	17.00 U	0.37 J	0.04 U	0.03 U
004150	INEL	Graphite	215	300	17.00 U	0.01 U	0.05 J	0.02 U	15.00 U	0.06 J	0.10 J	0.02 U
004160	INEL	Combustible	223	339	110.00	110.00 U	180.00	120.00 U	17.00 U	100.00 U	0.02 U	93.00 U
004166	INEL	Inorganic Non-metal	222	371	40.00 J	0.06 U	0.09 J	0.05 U	17.00 U	0.23 J	0.04 U	0.03 U
004186	INEL	Combustible	223	339	17.00 U	0.02 U	0.16 J	0.02 U	17.00 U	1.20	0.02 U	0.02 U
004195	RFETS	Salt Waste	224	411	5.00 U	0.02 U	0.03 J	0.02 U	5.00 U	0.11	0.01 U	0.01 U
004196	INEL	Graphite	215	300	17.00 U	0.02 U	0.04 J	0.02 U	17.00 U	0.29 J	0.02 U	0.02 U
004206	INEL	Combustible	223	339	15.00 U	0.02 U	0.03 J	0.02 U	17.00 U	2.70	0.02 U	0.01 U
004208	INEL	Graphite	215	300	17.00 U	0.02 U	0.03 U	0.02 U	51.00 U	0.05 J	0.03 U	0.02 U
004283	INEL	Solidified Inorganics	211	1	17.00 U	0.01 U	4.40	0.02 U	22.00 J	2.70	0.50 J	0.02 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**



Item #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Dichloroethene	Acetone	Methylene Chloride	1,1-Dichloroethane	cis-1,2-Dichloroethene
004326	INEL	Solidified Inorganics	213	4	1100.0	0.01 U	0.11 J	0.02 U	17.00 U	0.32 J	0.02 U	0.02 U
004393	INEL	Solidified Inorganics	211	1	5.00 U	0.03 U	0.06 J	0.03 U	5.00 U	0.62	0.03 U	0.02 U
004410	INEL	Solidified Inorganics	211	1	5.00 U	0.06 U	0.10 J	0.05 U	5.00 U	0.12 J	0.04 U	0.03 U
004495	INEL	Solidified Inorganics	213	4	17.00 U	0.01 U	0.08 J	0.02 U	17.00 U	0.13 J	220.00 U	0.02 U
004516	INEL	Solidified Inorganics	211	1	5.00 U	0.06 U	0.05 J	0.05 U	5.00 U	0.12 J	0.04 U	0.03 U
004884	INEL	Solidified Inorganics	213	4	4000.0	0.02 U	0.04 U	0.03 U	17.00 U	1.30	0.02 U	0.03 U
004963	INEL	Combustible	223	339	31.00 J	0.06 U	0.15 J	0.07 U	17.00 U	4.10	0.02 U	0.05 U
004968	RFETS	Uncategorized Metal	217	320	5.00 U	1.10 U	1.00 J	1.00 U	12.00 J	0.96 U	0.82 U	0.51 U
004981	RFETS	Uncategorized Metal	217	320	5.00 U	0.02 U	0.19	0.02 U	5.00 U	0.07 J	0.01 U	0.01 U
004988	RFETS	Salt Waste	224	411	5.00 U	0.06 U	0.04 U	0.05 U	5.00 U	0.36	0.04 U	0.03 U
005006	RFETS	Salt Waste	224	411	5.00 U	0.06 U	0.04 J	0.05 U	5.00 U	0.41	0.04 U	0.03 U
005012	INEL	Combustible	223	339	17.00 U	0.01 U	0.11 J	0.02 U	17.00 U	0.61 J	0.04 U	0.02 U
005015	INEL	Solidified Organics	226	432	17.00 U	2.80 U	1.80 U	2.60 U	17.00 U	38.00	2.10 U	1.30 U
005235	INEL	Solidified Organics	226	432	17.00 U	0.06 U	0.09 JB	0.05 U	17.00 U	0.08 U	0.04 U	0.03 U
005262	INEL	Solidified Organics	212	3	80.00 J	180.00 U	6400.0 B	230.00 U	17.00 U	290.00 U	0.10 J	210.00 U
005358	INEL	Solidified Inorganics	211	1	17.00 U	0.01 U	0.20 J	0.02 U	17.00 U	0.14 J	0.05 J	0.02 U
005398	INEL	Solidified Inorganics	211	1	5.00 U	0.06 U	18.00 E	0.10 J	5.00 U	0.05 U	0.04 U	0.03 U
005415	INEL	Solidified Inorganics	211	1	5.00 U	0.06 U	0.04 J	0.05 U	5.00 U	0.06 J	0.04 U	0.03 U
005530	INEL	Graphite	215	303	17.00 U	0.02 U	0.06 J	0.02 U	33.00 J	0.20 J	3.00 U	0.02 U
005535	INEL	Solidified Organics	226	432	17.00 U	0.11 U	0.07 J	0.10 U	17.00 U	0.08 JD	0.08 U	0.05 U
005735	INEL	Solidified Inorganics	211	7	5.00 U	0.06 U	2.20	0.05 U	5.00 U	0.06 J	0.04 U	0.03 U
005738	INEL	Solidified Inorganics	211	7	5.00 U	0.04 U	0.40	0.04 U	5.00 U	0.05 J	0.03 U	0.02 U
006242	INEL	rganic Non-metal	222	371	17.00 U	0.06 U	0.08 J	0.05 U	17.00 U	0.37	2.40 U	0.03 U





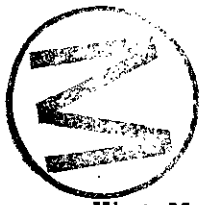
**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
006252	RFETS	Lead/Cadmium Metal Waste	123	339	5.00 U	7.40 U	4.70 U	6.80 U	16.00 J	6.50 U	5.60 U	3.40 U
006325	RFETS	Solidified Inorganics	213	4	2700.0 D	0.02 U	0.04 JB	0.02 U	100.00 U	0.22	0.02 U	0.01 U
006669	INEL	Solidified Inorganics	214	292	5.00 U	0.28 U	0.18 U	0.26 U	5.00 U	0.24 U	0.21 U	0.13 U
006773	RFETS	Solidified Inorganics	213	4	2800.0 D	0.21 U	0.44 JB	13.00	120.00 U	1.80	14.00	0.10 U
006857	INEL	Combustible	223	339	17.00 U	0.02 U	0.04 J	0.02 U	18.00 U	1.10	12.00	0.02 J
006865	RFETS	Solidified Organics	226	432	5.00 U	0.15 U	0.36 J	0.14 U	5.00 U	0.13 U	0.11 U	0.07 U
006876	INEL	Filter	219	335	17.00 U	0.02 U	0.03 U	0.02 U	17.00 U	0.78 J	0.17 U	0.02 U
006879	INEL	Solidified Organics	226	432	17.00 U	0.19 U	0.12 U	0.17 U	17.00 U	0.13 U	0.14 U	0.09 U
006886	INEL	Solidified Organics	226	432	17.00 U	0.62 U	0.39 U	0.57 U	17.00 U	0.43 U	0.46 U	0.97 J
007034	INEL	Combustible	216	337	15.00 U	4.00 U	2.50 U	3.60 U	17.00 U	2.80 U	0.20 U	2.60
007146	INEL	Inorganic Non-metal	222	371	17.00 U	3.20 U	2.00 U	3.10	17.00 U	2.20 U	0.02 U	1.90
007170	INEL	Combustible	216	337	18.00 U	0.31 U	0.49 U	0.35 U	39.00 J	0.32 J	4.60	0.26 U
007231	INEL	Filter	219	338	17.00 U	0.14 U	0.22 U	0.16 U	17.00 U	0.22 J	0.07 J	0.12 U
007511	INEL	Inorganic Non-metal	122	374	17.00 U	0.07 U	0.10 J	0.06 U	17.00 U	0.21 J	0.05 U	0.03 U
007518	INEL	Inorganic Non-metal	122	374	17.00 U	0.11 U	0.07 J	0.10 U	27.00 J	0.93	0.08 U	0.05 U
007667	INEL	Salt Waste	124	411	5.00 U	0.02 U	0.04 J	0.02 U	5.00 U	0.05 J	0.01 U	0.01 U
007920	INEL	Filter	121	302	17.00 U	0.45 U	0.28 U	0.41 U	17.00 U	0.39 U	0.34 U	0.21 U
008203	INEL	Inorganic Non-metal	118	440	17.00 U	0.11 U	0.08 J	0.10 U	17.00 U	0.16 J	0.08 U	0.05 U
008207	INEL	Heterogeneous	116	336	17.00 U	0.14 U	0.09 U	0.13 U	36.00 J	7.40 J	1.00 U	0.08 J
008218	INEL	Heterogeneous	116	330	17.00 U	0.14 U	0.10 J	0.13 U	36.00 J	6.40	0.77 J	0.06 U
008269	INEL	Uncategorized Metal	117	320	17.00 U	0.36 U	0.23 U	0.34 U	17.00 U	0.32 U	0.27 U	0.17 U
008287	INEL	Inorganic Non-metal	122	374	17.00 U	0.06 U	0.06 J	0.05 U	17.00 U	0.13 J	0.04 U	0.03 U
008359	INEL	Heterogeneous	116	330	33.00 J	0.36 U	0.23 U	0.34 U	33.00 J	6.80	0.82 J	0.17 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**



Item #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-ethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
008383	INEL	Lead/Cadmium Metal Waste	123	339	13.00 J	9.90 U	6.30 J	13.00 J	5.00 U	8.60 U	7.40 U	4.60 U
008848	INEL	Inorganic Non-metal	218	440	120.00	0.16 U	0.30 U	0.28 J	17.00 U	2.60	16.00	0.19 U
008859	INEL	Inorganic Non-metal	218	440	17.00 U	0.84 U	0.53 U	0.77 U	17.00 U	0.59 U	0.55 U	0.39 U
008860	INEL	Uncategorized Metal	217	480	17.00 U	2.10 U	1.40 U	2.00 U	17.00 U	15.00	1.60 U	0.98 U
008864	INEL	Uncategorized Metal	217	480	17.00 U	0.19 U	0.12 U	0.17 U	17.00 U	0.21 J	0.14 U	0.09 U
008872	INEL	Solidified Inorganics	214	292	5.00 U	0.07 U	0.05 U	0.07 U	5.00 U	0.07 U	0.06 U	0.03 U
008874	RFETS	Uncategorized Metal	217	480	5.00 U	66.00 U	42.00 U	61.00 U	14.00 J	58.00 U	50.00 U	30.00 U
008878	INEL	Uncategorized Metal	217	480	17.00 U	9.00 U	5.70 U	8.30 U	17.00 U	6.30 U	6.70 U	4.10 U
008880	RFETS	Graphite	115	312	5.00 U	2.60 U	1.60 J	2.40 U	8.40 J	23.00	1.90 U	1.20 U
009006	INEL	Solidified Inorganics	211	7	17.00 U	0.02 U	18.00 E	0.05 J	18.00 U	0.02 U	0.09 U	0.02 U
009011	RFETS	Solidified Inorganics	211	7	5.00 U	0.02 U	0.58	0.04 J	5.00 U	0.33	0.02 U	0.01
009061	RFETS	Inorganic Non-metal	218	440	5.00 U	0.18 U	0.13 J	0.17 U	5.00 U	1.10	0.14 U	0.08 U
009180	INEL	Combustible	223	339	17.00 U	0.71 U	10.00	1.00	17.00 U	14.00	0.70 U	0.59 U
009225	INEL	Uncategorized Metal	217	481	17.00 U	0.06 U	0.13 J	0.05 U	18.00 U	0.07 U	0.22 U	0.03 U
009252	INEL	Combustible	223	339	17.00 U	40.00 U	25.00 U	36.00 U	17.00 U	270.00	11.00	18.00 U
009296	INEL	Combustible	223	339	17.00 U	5.60 U	3.60 U	5.20 U	17.00 U	3.90 U	0.02 U	2.60 U
009299	INEL	Combustible	223	339	17.00 U	0.02 U	0.03 U	0.02 U	22.00 J	1.90	6.10	0.02 U
009399	INEL	Inorganic Non-metal	218	440	17.00 U	0.73 U	0.46 U	0.67 U	17.00 U	0.61 J	0.55 U	0.34 U
009422	RFETS	Combustible	216	337	5.00 U	10.00 U	6.60 U	9.60 U	5.00 U	150.00 D	7.80 U	4.80 U
009423	INEL	Combustible	216	337	17.00 U	1.40 U	2.70 U	7.30	17.00 U	11.00	1.10 U	1.70 U
009435	INEL	Combustible	216	337	39.00 J	0.73 U	0.46 U	0.67 U	17.00 U	0.51 U	0.32 U	0.34 U
009449	INEL	Inorganic Non-metal	218	440	17.00 U	0.08 U	0.15 J	0.07 U	17.00 U	0.31 J	0.85 J	0.04 U
009471	INEL	Combustible	216	337	18.00 U	0.07 U	0.11 U	0.08 U	18.00 U	0.23 J	0.16 U	0.06 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
009475	INEL	Inorganic Non-metal	218	442	17.00 U	0.58 U	1.10 U	0.73 U	17.00 U	4.90	0.12 J	0.67 U
009489	INEL	Combustible	216	337	18.00 U	0.18 U	0.29 U	0.21 U	3.60 J	3.30	0.52 J	0.15 U
009587	INEL	Uncategorized Metal	117	320	5.00 U	0.02 U	0.04 J	0.02 U	5.00 U	0.08 J	0.01 U	0.01 U
009591	INEL	Inorganic Non-metal	118	440	17.00 U	0.07 U	0.06 J	0.06 U	17.00 U	0.13 J	0.05 U	0.03 U
009592	INEL	Inorganic Non-metal	118	440	17.00 U	0.14 U	0.09 U	0.13 U	17.00 U	0.16 J	0.10 U	0.06 U
009596	INEL	Uncategorized Metal	117	320	17.00 U	0.26 U	0.16 U	0.23 U	17.00 U	0.22 U	0.19 U	0.12 U
009599	INEL	Inorganic Non-metal	118	440	17.00 U	0.06 U	0.08 J	0.05 U	17.00 U	0.21 J	0.04 U	0.03 U
009602	INEL	Inorganic Non-metal	218	442	17.00 U	3.80 U	2.40 U	3.50 U	17.00 U	54.00	2.80 U	1.70 U
009694	INEL	Graphite	215	300	17.00 U	0.01 U	0.04 J	0.02 U	17.00 U	0.09 J	0.04 U	0.02 U
009735	INEL	Graphite	215	300	17.00 U	0.01 U	0.05 J	0.02 U	17.00 U	0.05 J	0.02 U	0.02 U
009773	INEL	Combustible	223	339	17.00 U	4.40 U	8.10 U	5.50 U	17.00 U	29.00	0.14 J	5.10 U
009787	RFETS	Solidified Organics	212	3	8.90 J	350.00 U	20000	320.00 U	5.00 U	300.00 U	260.00 U	160.00 U
009873	RFETS	Solidified Inorganics	211	1	5.00 U	0.09 U	0.10 J	0.14 J	5.00 U	0.43 J	0.07 U	0.04 U
010216	INEL	Filter	219	338	17.00 U	0.89 U	1.40 U	5.20	17.00 U	0.83 U	0.82 U	0.74 U
010224	INEL	Filter	219	338	17.00 U	0.27 U	0.42 U	0.30 U	17.00 U	0.44 J	0.16 J	0.22 U
010230	INEL	Heterogeneous	216	330	17.00 U	0.14 U	0.22 U	3.60	18.00 U	0.75 J	0.55 U	2.30
010273	INEL	Combustible	216	337	18.00 U	0.13 U	0.20 U	0.18 J	18.00 U	1.30	0.44 U	0.11 U
010295	INEL	Inorganic Non-metal	218	442	17.00 U	0.11 U	0.14 J	0.10 U	17.00 U	3.00	0.15 U	0.05 U
010305	RFETS	Inorganic Non-metal	218	442	91.00 J	1.30 U	0.84 U	1.20 U	5.00 U	1.20 U	0.99 U	0.61 U
010364	RFETS	Combustible	216	337	5.00 U	1.70 U	1.10 U	1.50 U	5.00 U	2.80 J	1.30 U	0.77 U
010371	INEL	Combustible	216	337	6.60 U	0.27 U	63.00 E	1.70	17.00 U	8.50	0.37 U	0.39 U
010407	RFETS	Uncategorized Metal	217	480	5.00 U	0.23 U	1.30 J	0.21 U	13.00 J	0.56 J	0.17 U	0.11 U
010411	INEL	Combustible	216	337	160.00	3.80 U	2.40 U	3.40 U	15.00 U	2.60 U	0.42 U	1.70 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

rum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
010415	INEL	Inorganic Non-metal	218	442	17.00 U	0.06 U	0.06 J	0.05 U	17.00 U	0.04 U	0.14 U	0.03 U
010426	INEL	Inorganic Non-metal	218	442	17.00 U	0.01 U	0.11 J	0.05 J	17.00 U	3.30	2.50	0.02 U
010463	INEL	Solidified Inorganics	213	4	860.00 U	0.56 U	0.36 U	1.50 J	34.00 U	0.39 U	1.40 J	0.26 U
010487	INEL	Salt Waste	224	414	17.00 U	1.00 U	6.70	0.94 U	37.00 J	3.30 J	2.20 J	0.47 U
010492	INEL	Uncategorized Metal	217	480	17.00 U	1.10 U	0.70 U	1.00 U	94.00 U	0.77	2.00	0.50 U
010498	INEL	Uncategorized Metal	217	480	17.00 U	0.04 U	0.11 J	0.06 J	17.00 U	2.30	1.20	0.04 U
010510	RFETS	Heterogeneous	216	336	5.00 U	3.20 U	2.00 U	3.00 U	9.60 J	2.80 U	2.40 U	1.50 U
010546	RFETS	Heterogeneous	216	330	10.00 U	88.00 U	300.00 J	81.00 U	270.00	3000.0	66.00 U	40.00 U
010578	INEL	Solidified Organics	226	432	17.00 U	1.90 U	5.00 J	1.80 U	17.00 U	1.30 U	1.40 U	0.88 U
010588	RFETS	Solidified Inorganics	211	2	5.00 U	1.60 U	1.00 U	1.50 U	5.00 U	1.40 U	1.20 U	0.76 U
010663	INEL	Combustible	216	337	18.00 U	0.46 U	0.72 U	0.52 U	18.00 U	0.43 U	0.55 U	0.38 U
010676	INEL	Heterogeneous	216	330	18.00 U	0.37 U	0.57 U	1.40	17.00 U	0.34 U	1.60	0.31 U
010800	INEL	Filter	219	338	17.00 U	0.12 U	0.19 U	0.20 J	17.00 U	0.12 U	0.07 J	0.15 J
010807	INEL	Combustible	216	337	17.00 U	2.50 U	1.60 U	2.30 U	17.00 U	1.70 U	1.30 U	1.20 U
010808	INEL	Combustible	216	337	17.00 U	0.30 U	0.56 U	0.38 U	18.00 U	0.49 U	1.80 U	0.56 J
010814	RFETS	Solidified Inorganics	211	1	5.00 U	0.67 U	0.42 U	0.61 U	5.00 U	0.58 U	0.50 U	0.31 U
010837	INEL	Solidified Organics	226	432	17.00 U	0.84 U	0.53 U	0.77 U	17.00 U	0.59 U	0.63 U	0.39 U
010848	INEL	Filter	219	338	15.00 U	0.35 U	0.54 U	0.39 U	17.00 U	0.53 J	0.59 U	0.29 U
010883	INEL	Solidified Organics	226	432	17.00 U	2.20 U	1.40 U	2.00 U	17.00 U	1.50 U	1.60 U	1.00 U
010921	INEL	Inorganic Non-metal	222	371	17.00 U	0.19 U	0.12 U	17.00	18.00 U	0.13 U	0.66 U	0.09 U
011004	INEL	Uncategorized Metal	217	480	17.00 U	0.06 U	0.06 J	0.05 U	17.00 U	0.09 J	0.04 U	0.03 U
011021	INEL	Solidified Organics	226	432	17.00 U	0.34 U	0.21 U	0.78 J	17.00 U	0.24 U	2.20	0.16 U
011042	INEL	Inorganic Non-metal	218	442	17.00 U	1.20 U	0.75 U	1.40	17.00 U	16.00	2.80 U	0.54 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

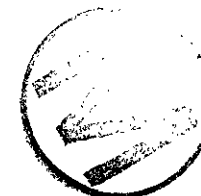
Run #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Dichloroethene	Acetone	Methylene Chloride	1,1-Dichloroethane	cis-1,2-Dichloroethene
011044	INEL	Inorganic Non-metal	218	440	17.00 U	0.67 U	0.43 U	0.62 U	17.00 U	0.47 U	0.21 U	0.31 U
011067	RFETS	Solidified Inorganics	213	4	610.00	2.20 U	1.40 U	5.50 J	25.00 U	1.90 U	1.90 J	1.00 U
011102	RFETS	Solidified Inorganics	211	1	5.00 U	0.53 U	0.34 U	1.20 J	5.00 U	4.60	0.40 U	0.24 U
011109	INEL	Solidified Inorganics	211	1	17.00 U	0.17 U	1.20	3.40	17.00 U	4.10	0.02 U	0.20 U
011147	INEL	Solidified Inorganics	213	4	4900.0	0.20 U	0.37 U	1.00	17.00 U	1.60	1.70 U	0.23 U
011173	INEL	Uncategorized Metal	217	480	17.00 U	0.05 U	0.16 J	0.06 U	17.00 U	1.50	0.04 U	0.06 U
011194	INEL	Inorganic Non-metal	218	442	83.00 J	0.14 U	0.09 U	0.13 U	17.00 U	0.10 U	0.02 U	0.06 U
011393	INEL	Uncategorized Metal	217	480	59.00 J	0.28 U	0.18 U	0.26 U	17.00 U	0.52 J	0.21 U	0.13 U
011416	INEL	Combustible	216	337	17.00 U	1.20 U	0.78 U	1.10 U	17.00 U	0.86 U	0.93 U	0.57 U
011433	INEL	Heterogeneous	216	330	18.00 U	0.46 U	0.72 U	2.70	17.00 U	0.47 J	4.20 U	0.38 U
011498	RFETS	Solidified Organics	226	432	17.00 U	3.20 U	2.00 U	3.00 U	17.00 U	2.20 U	2.40 U	1.50 U
011529	INEL	Uncategorized Metal	217	480	17.00 U	0.06 U	0.04 U	0.05 U	17.00 U	0.07 J	0.04 U	0.03 U
011601	INEL	Heterogeneous	216	336	17.00 U	1.10 U	1.70 U	1.20 U	17.00 U	1.00 U	1.30 U	1.80
011607	INEL	Heterogeneous	216	330	17.00 U	0.03 U	0.30 J	0.05 J	37.00 J	0.16 J	0.67 U	0.02 U
011637	RFETS	Filter	219	338	8.40 J	1.60 U	1.00 U	1.50 U	6.20 J	1.40 U	1.20 U	0.76 U
011735	INEL	Heterogeneous	216	330	17.00 U	1.70 U	1.10 U	1.60 U	17.00 U	1.20 U	0.48 U	0.77 U
011749	INEL	Inorganic Non-metal	225	441	100.00	0.48 U	0.30 U	0.44 U	62.00 J	0.33 U	0.56 J	0.22 U
011785	RFETS	Solidified Inorganics	211	1	5.00 U	0.06 U	0.06 J	0.05 U	5.00 U	0.08 J	0.04 U	0.03 U
012021	INEL	Solidified Inorganics	211	1	17.00 U	0.73 U	0.46 U	0.81 J	17.00 U	0.51 U	0.65 J	0.34 U
012108	INEL	Solidified Inorganics	214	292	17.00 U	0.73 U	0.46 U	0.67 U	17.00 U	0.51 U	0.55 U	0.34 U
012111	INEL	Combustible	216	337	18.00 U	1.50 U	2.30 U	1.80	17.00 U	13.00	0.02 U	1.20 U
012215	INEL	Uncategorized Metal	217	480	17.00 U	0.79 U	0.50 U	0.72 U	17.00 U	0.55 U	0.58 U	0.36 U
012313	INEL	Heterogeneous	216	336	18.00 U	0.55 U	0.86 U	0.62 U	17.00 U	0.59 J	0.02 U	0.62 J

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**



rum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
012320	INEL	Heterogeneous	216	336	17.00 U	3.70 U	2.40 U	3.40 U	17.00 U	2.60 U	0.04 U	2.50
012356	INEL	Filter	219	338	110.00	0.20 U	0.38 U	0.26 U	18.00 J	0.33 U	2.00	0.24 U
012357	RFETS	Uncategorized Metal	217	480	8.00 J	6.00 U	3.80 U	5.50 U	22.00 J	5.20 U	4.50 U	2.70 U
012433	INEL	Filter	219	338	17.00 U	0.18 U	0.28 U	0.95 J	17.00 U	0.60 J	0.59 J	0.15 U
012469	RFETS	Solidified Inorganics	211	1	5.00 U	0.68 U	0.75 JB	0.62 U	5.00 U	0.59 U	0.51 U	0.31 U
012471	RFETS	Filter	219	338	5.00 U	0.35 U	0.22 U	0.32 U	10.00 J	1.30 J	0.26 U	0.16 U
012487	INEL	Inorganic Non-metal	218	440	17.00 U	0.02 U	0.05 JB	0.02 U	17.00 U	0.03 U	0.06 U	0.02 U
012494	INEL	Heterogeneous	216	330	17.00 U	2.20 U	1.40 U	2.10 U	17.00 U	1.60 U	2.80 U	1.00 U
012541	INEL	Inorganic Non-metal	218	442	17.00 U	0.06 U	0.06 J	0.05 U	17.00 U	0.14 J	0.05 U	0.03 U
012553	INEL	Solidified Inorganics	211	1	17.00 U	0.06 U	0.04 J	0.05 U	17.00 U	0.28 J	0.04 U	0.03 U
012571	INEL	Uncategorized Metal	217	320	17.00 U	0.01 U	0.05 J	0.02 U	38.00 J	0.28 J	11.00 U	0.02 U
012611	INEL	Solidified Inorganics	211	1	17.00 U	1.20 U	0.75 U	1.10 U	17.00 U	7.00 J	0.88 U	0.54 U
012634	INEL	Solidified Inorganics	211	1	17.00 U	3.20 U	2.00 U	3.00 U	17.00 U	12.00 J	2.40 U	1.50 U
012749	INEL	Solidified Inorganics	211	1	17.00 U	0.62 U	0.39 U	0.60 J	17.00 U	0.43 U	0.46 U	0.28 U
012766	INEL	Heterogeneous	216	336	17.00 U	5.60 U	3.60 U	7.30	17.00 U	3.90 U	0.02 U	2.60 U
012802	INEL	Combustible	216	337	17.00 U	1.00 U	1.90 U	2.60	17.00 U	1.70 U	0.38 J	1.20 U
012875	RFETS	Solidified Organics	226	432	17.00 U	7.60 U	4.80 U	7.00 U	17.00 U	5.30 U	8.30	3.50 U
012878	INEL	Uncategorized Metal	217	480	17.00 U	0.55 U	1.00 U	0.70 U	17.00 U	0.88 U	0.03 U	0.64 U
012891	INEL	Heterogeneous	216	330	17.00 U	0.65 U	0.41 U	0.59 U	17.00 U	2.60	0.07 U	0.51 J
012902	INEL	Filter	219	338	17.00 U	0.02 U	0.03 U	0.02 U	17.00 U	0.02 U	0.04 J	0.02 U
012920	INEL	Inorganic Non-metal	222	371	17.00 U	2.20 U	1.40 U	44.00	17.00 U	1.60 U	1.70 U	1.00 U
012985	INEL	Inorganic Non-metal	222	371	17.00 U	3.80 U	2.40 U	3.40 U	17.00 U	2.60 U	0.32 J	2.10 J
012986	INEL	Heterogeneous	221	302	43.00 J	0.48 U	0.89 U	0.68 J	2.40 U	0.77 U	0.05 U	0.56 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**



rum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
012998	INEL	Combustible	216	337	17.00 U	1.30 U	0.82 U	1.20 U	17.00 U	1.60	0.97 U	0.87 J
013106	INEL	Solidified Inorganics	111	7	5.00 U	0.03 U	1.70	0.03 U	5.00 U	0.08 J	0.04 J	0.01 U
013229	RFETS	Solidified Organics	226	432	17.00 U	0.28 U	0.18 U	0.26 U	17.00 U	0.20 U	0.21 U	0.13 U
013231	INEL	Graphite	215	300	17.00 U	0.02 U	0.03 U	0.02 U	17.00 U	0.09 J	0.07 U	0.02 U
013252	INEL	Inorganic Non-metal	222	371	19.00 J	0.06 U	0.07 JB	0.05 U	17.00 U	0.19 J	52.00 U	0.03 U
013266	INEL	Combustible	223	339	17.00 U	0.79 U	0.50 U	0.72 U	17.00 U	3.90	0.02 U	0.36 U
013269	INEL	Inorganic Non-metal	218	440	17.00 U	0.05 U	0.09 U	0.06 U	17.00 U	2.80	0.02 U	0.06 U
013313	INEL	Inorganic Non-metal	218	440	17.00 U	0.06 U	0.09 U	0.05 U	17.00 U	0.04 U	0.02 U	0.03 U
013331	INEL	Salt Waste	124	411	17.00 U	0.14 U	0.09 U	0.13 U	17.00 U	0.25 J	0.10 U	0.06 U
013342	INEL	Inorganic Non-metal	218	440	17.00 U	0.01 U	0.06 J	0.02 U	17.00 U	0.72 J	0.04 J	0.02 U
013346	RFETS	Inorganic Non-metal	222	371	12.00 J	0.04 U	0.04 J	0.04 U	5.00 U	0.11 J	0.03 U	0.02
013618	INEL	Heterogeneous	216	330	17.00 U	3.80 U	2.40 U	3.40 U	17.00 U	2.60	0.04 U	1.70 U
013677	INEL	Filter	219	338	17.00 U	0.05 U	0.07 U	0.05 U	17.00 U	0.04 U	0.04 J	0.04 U
013751	INEL	Uncategorized Metal	217	480	17.00 U	1.70 U	1.10 U	1.60 U	17.00 U	1.20 U	1.30 U	0.77 U
013763	INEL	Combustible	223	339	6.60 U	11.00 U	50.00	11.00 U	17.00 U	12.00	0.32 J	16.00 U
013773	RFETS	Solidified Inorganics	111	7	5.00 U	0.15 U	0.84 J	0.26 J	5.00 U	0.13 U	0.11 U	0.07 U
013818	RFETS	Solidified Inorganics	211	1	94.00 J	0.04 U	0.04 J	0.04 U	5.00 U	0.10 J	0.03 U	0.02 U
013820	RFETS	Solidified Inorganics	211	1	11.00 U	0.05 U	0.05 J	0.04 U	11.00 U	0.28 J	0.04 U	0.02 U
013847	INEL	Graphite	215	300	17.00 U	0.01 U	0.04 J	0.02 U	17.00 U	0.05 J	0.02 U	0.02 U
013860	INEL	Combustible	223	339	17.00 U	0.06 U	0.24 J	0.07 U	17.00 U	2.70	0.18 U	0.05 U
013876	RFETS	Solidified Inorganics	211	7	5.00 U	0.18 U	3.60	0.17 U	5.00 U	0.16 U	0.14 U	0.08 U
014007	INEL	Solidified Inorganics	211	1	17.00 U	0.02 U	0.07 J	0.02 U	17.00 U	0.20 J	0.25 U	0.02 U
014009	INEL	Solidified Inorganics	211	7	17.00 U	0.06 U	3.40	0.37 J	17.00 U	0.09 U	3.50 U	0.07 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

Run #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
014010	INEL	Solidified Inorganics	211	7	17.00 U	0.01 U	3.30	0.10 J	17.00 U	0.13 J	0.29 J	0.02 U
014127	RFETS	Solidified Inorganics	211	7	5.00 U	0.03 U	2.10	0.03 U	5.00 U	0.24	0.03 U	0.02 U
014170	INEL	Solidified Inorganics	211	7	5.00 U	0.03 U	0.21	0.03 U	5.00 U	0.08 J	0.03 U	0.02 U
014330	INEL	Graphite	215	303	21.00 J	0.04 U	0.06 U	0.04 U	17.00 U	6.20	0.30 J	0.03 U
014334	INEL	Filter	219	335	11.00 U	0.05 U	0.10 J	0.05 U	17.00 U	0.22 J	0.04 U	0.07 U
014339	INEL	Solidified Organics	226	432	17.00 U	0.11 U	0.07 U	0.10 U	17.00 U	0.08 U	0.08 U	0.05 U
014342	INEL	Graphite	215	303	17.00 U	0.06 U	0.09 U	0.07 U	17.00 U	0.43 J	0.04 U	0.05 U
014345	INEL	Solidified Organics	226	432	17.00 U	0.09 U	0.10 JB	0.09 U	17.00 U	0.09 J	0.07 U	0.04 U
014346	INEL	Combustible	223	339	17.00 U	0.02 U	2.30	0.04 J	17.00 U	3.30	0.04 J	0.02 J
014348	INEL	Graphite	215	300	17.00 U	0.01 U	0.05 J	0.02 U	17.00 U	0.04 J	0.02 U	0.02 U
014354	RFETS	Uncategorized Metal	217	481	5.00 U	0.02 U	0.22	0.02 U	5.00 U	0.33	0.02 U	0.01 U
014357	INEL	Combustible	223	339	11.00 U	11.00 U	14.00 U	11.00 U	17.00 U	11.00 U	1.20 U	16.00 U
014387	INEL	Solidified Inorganics	211	7	17.00 U	0.01 U	23.00 E	0.19 J	17.00 U	0.10 J	0.63 J	0.02 U
014466	INEL	Heterogeneous	221	302	17.00 U	0.62 U	0.39 U	0.57 U	17.00 U	0.43 U	0.46 U	0.28 U
014484	INEL	Graphite	215	300	17.00 U	0.01 U	0.03 J	0.02 U	17.00 U	0.12 J	0.02 U	0.02 U
014502	RFETS	Solidified Inorganics	211	1	5.00 U	0.02 U	0.12	0.02 U	5.00 U	0.10 J	0.01 U	0.01 U
014504	RFETS	Solidified Inorganics	211	1	5.00 U	0.06 U	0.53 J	0.05 U	5.00 U	0.11 J	0.04 U	0.03 U
014773	INEL	Solidified Inorganics	214	292	5.00 U	0.10 U	0.06 U	0.09 U	5.00 U	0.09 U	0.07 U	0.05 U
015228	RFETS	Solidified Organics	226	432	17.00 U	0.34 U	0.21 U	1.90	17.00 U	0.24 U	0.72 J	0.16 U
015231	INEL	Inorganic Non-metal	218	440	17.00 U	0.06 U	0.09 J	0.05 U	17.00 U	0.99 J	0.88 U	0.03 U
015241	INEL	Inorganic Non-metal	218	442	17.00 U	0.10 U	0.11 J	0.09 U	17.00 U	0.45 J	0.46 U	0.04 U
015249	INEL	Graphite	215	300	17.00 U	0.02 U	0.04 J	0.02 U	17.00 U	0.13 J	0.04 U	0.02 U
015262	RFETS	Solidified Organics	226	432	17.00 U	3.20 U	2.00 U	36.00	17.00 U	2.20 U	10.00	1.50 U





**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Item #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Dichloroethene	Acetone	Methylene Chloride	1,1-Dichloroethane	cis-1,2-Dichloroethene
015267	INEL	Uncategorized Metal	217	480	17.00 U	2.80 U	1.80 U	2.60 U	17.00 U	2.00 U	2.10 U	1.30 U
015338	INEL	Solidified Inorganics	211	7	29.00 J	0.02 U	22.00 E	0.09 J	17.00 U	0.02 U	0.20 U	0.02 U
015434	RFETS	Solidified Organics	226	432	17.00 U	0.08 U	0.05 J	6.80	17.00 U	0.78 J	0.09 J	0.04 U
015440	RFETS	Solidified Organics	226	432	17.00 U	0.73 U	0.46 U	5.40	17.00 U	1.20	22.00	0.34 U
015515	RFETS	Solidified Organics	212	3	5.00 U	53.00 U	37.00 J	49.00 U	5.00 U	47.00 U	40.00 U	24.00 U
015532	RFETS	Solidified Organics	212	3	5.00 U	160.00 U	100.00 U	150.00 U	6.00 J	140.00 U	120.00 U	75.00 U
015543	INEL	Solidified Organics	212	3	17.00 U	70.00 U	44.00 U	64.00 U	17.00 U	49.00 U	0.39 J	32.00 U
015627	INEL	Graphite	215	300	17.00 U	0.02 U	0.03 U	0.02 U	32.00 J	0.02 U	0.14 U	0.02 U
015655	INEL	Solidified Inorganics	211	7	17.00 U	0.01 U	0.50 J	0.02 U	17.00 U	0.07 J	0.21 J	0.02 U
015674	INEL	Graphite	215	300	17.00 U	0.01 U	0.08 J	0.02 U	17.00 U	0.16 J	0.03 J	0.02 U
015675	INEL	Uncategorized Metal	217	480	17.00 U	0.14 U	0.09 U	0.13 U	17.00 U	5.50	0.75 J	0.06 U
015777	RFETS	Solidified Organics	226	432	17.00 U	0.14 U	0.09 U	1.60	17.00 U	0.20 J	3.40	0.06 U
015785	RFETS	Solidified Inorganics	211	1	15.00 U	0.65 U	0.41 U	0.85 J	15.00 U	6.40	0.48 U	0.30 U
015786	INEL	Solidified Inorganics	211	1	17.00 U	0.02 U	0.05 U	0.17 J	17.00 U	0.25 J	0.76 U	0.03 U
016242	INEL	Graphite	215	300	17.00 U	0.01 U	0.04 J	0.02 U	17.00 U	0.09 J	0.02 U	0.02 U
016612	INEL	Inorganic Non-metal	218	442	17.00 U	0.06 U	0.08 J	0.05 U	17.00 U	0.17 J	0.22 J	0.03 U
016613	INEL	Solidified Organics	226	432	17.00 U	0.39 U	0.33 J	1.90 J	17.00 U	0.28 U	0.30 U	0.18 U
016707	INEL	Graphite	215	300	17.00 U	0.01 U	0.03 U	0.02 U	17.00 U	0.02 U	0.02 U	0.02 U
016738	RFETS	Solidified Inorganics	211	7	5.00 U	2.50 U	1.60 U	3.40 J	5.00 U	39.00	1.90 U	1.10 U
016790	INEL	Graphite	215	300	610.00	0.02 U	0.04 J	0.14 J	17.00 U	0.18 J	0.21 U	0.02 U
016807	INEL	Solidified Inorganics	211	1	17.00 U	0.13 U	0.24 U	0.42 J	17.00 U	2.80	1.80 U	0.15 U
016842	INEL	Graphite	215	300	17.00 U	0.01 U	0.05 J	0.02 U	27.00 J	0.07 J	0.85 J	0.02 U
016855	RFETS	Solidified Organics	212	3	8.70 J	250.00 U	790.00 J	230.00 U	8.30 J	220.00 U	190.00 U	120.00 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Item #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Dichloroethene	Acetone	Methylene Chloride	1,1-Dichloroethane	cis-1,2-Dichloroethene
116869	INEL	Solidified Inorganics	211	7	17.00 U	0.14 U	18.00	0.66 J	17.00 U	12.00	1.50	0.17 U
116964	RFETS	Solidified Inorganics	211	7	5.00 U	2.20 U	2.00 J	2.50 J	5.00 U	33.00	1.60 U	1.00 U
116986	INEL	Inorganic Non-metal	218	442	17.00 U	0.34 U	0.21 U	0.31 U	17.00 U	0.24 U	0.02 U	0.16 U
117148	INEL	Solidified Organics	226	432	17.00 U	1.20 U	0.76 U	87.00	17.00 U	3.60	0.90 U	0.55 U
117190	INEL	Solidified Inorganics	211	7	17.00 U	2.90 U	19.00	13.00	17.00 U	260.00	3.30	3.40 U
117444	INEL	Graphite	215	300	17.00 U	0.06 U	0.06 J	0.05 U	17.00 U	0.18 J	0.04 U	0.03 U
117453	INEL	Solidified Organics	212	3	5.00 U	73.00 U	46.00 U	67.00 U	7.00 J	64.00 U	54.00 U	33.00 U
117486	INEL	Solidified Inorganics	211	1	17.00 U	0.13 U	0.24 U	0.16 U	17.00 U	0.21 U	2.10 U	0.15 U
117491	INEL	Graphite	215	300	17.00 U	0.14 U	0.27 U	0.18 U	17.00 U	6.20	0.50 J	0.17 U
117495	INEL	Inorganic Non-metal	218	442	17.00 U	0.06 U	0.08 J	0.05 U	17.00 U	0.16 J	0.62 U	0.03 U
117496	INEL	Inorganic Non-metal	218	442	17.00 U	0.06 U	0.07 J	0.05 U	17.00 U	0.15 J	0.36 J	0.03 U
117698	RFETS	Solidified Inorganics	211	292	5.00 U	4.60 U	2.90 U	4.30 U	5.00 U	4.00 U	3.50 U	2.10 U
117709	INEL	Solidified Inorganics	211	1	17.00 U	0.01 U	0.10 J	0.03 J	17.00 U	0.40 J	0.93 J	0.02 U
117728	RFETS	Solidified Inorganics	211	1	5.00 U	1.30 U	0.84 U	1.20 U	5.00 U	14.00	0.99 U	0.61 U
117742	INEL	Inorganic Non-metal	218	440	17.00 U	1.10 U	0.71 U	1.00 U	17.00 U	2.50	1.40	0.52 U
117756	RFETS	Solidified Organics	226	432	17.00 U	3.20 U	2.00 U	130.00	17.00 U	13.00 U	2.40 U	1.50 U
117759	INEL	Solidified Organics	226	432	17.00 U	2.20 U	1.40 J	110.00	17.00 U	21.00	1.70 U	1.00 U
117788	INEL	Solidified Inorganics	211	7	17.00 U	0.97 U	15.00	3.00	17.00 U	78.00	0.88 U	1.10 U
117863	INEL	Filter	119	376	17.00 U	0.19 U	0.12 U	0.17 U	17.00 U	0.67 J	0.14 U	0.09 U
118111	RFETS	Solidified Inorganics	211	1	5.00 U	0.03 U	0.09 J	0.03 U	5.00 U	0.14 J	0.02 U	0.01 U
118219	RFETS	Solidified Inorganics	211	7	5.00 U	2.20 U	1.40 U	2.00 U	5.00 U	48.00	2.30 J	1.00 U
118299	INEL	Filter	119	376	17.00 U	0.28 U	0.22 J	0.26 U	17.00 U	1.20 J	0.21 U	0.13 U
118413	INEL	White	115	300	5.00 U	0.02 U	0.03 J	0.02 U	5.00 U	0.04 J	0.01 U	0.01 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Item #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Dichloroethene	Acetone	Methylene Chloride	1,1-Dichloroethane	cis-1,2-Dichloroethene
018441	INEL	Graphite	115	300	17.00 U	0.06 U	0.04 J	0.05 U	17.00 U	0.16 J	0.04 U	0.03 U
018464	INEL	Graphite	115	300	5.00 U	0.02 U	0.03 J	0.02 U	5.00 U	0.07 J	0.02 U	0.01 U
018476	INEL	Solidified Inorganics	111	292	5.00 U	0.18 U	0.12 U	0.17 U	5.00 U	0.16 U	0.14 U	0.08 U
018491	INEL	Graphite	115	300	17.00 U	0.06 U	0.05 J	0.05 U	17.00 U	0.08 J	0.04 U	0.03 U
019410	INEL	Lead/Cadmium Metal Waste	123	339	5.00 U	1.20 U	9.20 D	1.10 U	6.00 J	1.10 U	0.92 U	0.56 U
019413	INEL	Lead/Cadmium Metal Waste	123	339	5.00 U	5.40 U	6.20 J	4.90 U	7.90 J	4.70 U	4.00 U	2.50 U
019572	INEL	Lead/Cadmium Metal Waste	123	339	17.00 U	0.11 U	0.28 J	0.10 U	43.00 J	7.20	0.53 J	0.06 J
021031	RFETS	Solidified Inorganics	214	292	5.00 U	0.08 U	0.10 J	0.08 U	5.00 U	0.07 U	0.06 U	0.04 U
021172	RFETS	Inorganic Non-metal	218	442	5.00 U	0.02 U	0.04 J	0.02 U	5.00 U	0.08 J	0.02 U	0.01 U
021306	INEL	Solidified Inorganics	213	4	580.00	0.06 U	0.04 U	0.05 U	17.00 U	0.04 U	0.04 U	0.03 U
021392	RFETS	Solidified Inorganics	214	292	5.00 U	0.31 U	0.56 J	0.31 J	5.00 U	4.90	0.25 J	0.14 U
021442	INEL	Solidified Inorganics	211	1	17.00 U	0.41 U	0.75 U	0.69 J	17.00 U	5.30	0.45 J	0.47 U
021488	RFETS	Inorganic Non-metal	218	442	5.00 U	0.07 U	0.22 J	0.07 U	5.00 U	0.20 J	0.06 U	0.03 U
021503	RFETS	Inorganic Non-metal	218	440	5.00 U	0.31 U	0.20 U	0.29 U	5.00 U	0.27 U	0.24 U	0.14 U
021511	RFETS	Solidified Inorganics	213	4	54.00 J	0.08 U	0.05 U	0.08 U	5.00 U	0.10 J	0.06 U	0.04 U
021512	INEL	Solidified Inorganics	211	7	17.00 U	1.80 U	1.10 U	1.60 U	17.00 U	3.90 J	1.40 U	0.82 U
021523	INEL	Solidified Organics	226	432	17.00 U	1.10 U	0.99 J	9.80	17.00 U	2.60	2.40	0.52 U
021565	INEL	Solidified Inorganics	211	7	17.00 U	0.73 U	1.30 U	2.20	17.00 U	31.00	2.60 U	0.84 U
021572	INEL	Solidified Inorganics	211	7	17.00 U	0.38 U	0.70 U	1.30	17.00 U	16.00	1.40 U	0.44 U
021600	RFETS	Solidified Inorganics	211	1	5.00 U	0.53 U	0.48 J	0.48 U	5.00 U	0.51 J	0.40 U	0.24
021631	INEL	Inorganic Non-metal	218	442	21.00 J	0.06 U	0.07 J	0.05 U	17.00 U	0.04 U	1.20	0.03 U
021698	INEL	Inorganic Non-metal	218	440	17.00 U	2.10 U	1.30 U	1.90 U	17.00 U	1.50 U	1.60 U	0.97 U
021699	INEL	Solidified Inorganics	213	4	2600.0	0.62 U	0.39 U	0.57 U	68.00 U	0.43 U	0.46 U	0.28 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

um #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro- 1,2,2-Trifluoro ethane	1,1-Di- chloro- ethene	Acetone	Methylene Chloride	1,1-Di- chloro- ethane	cis-1,2- Dichloro- ethene
21700	RFETS	Solidified Inorganics	213	4	5.00 U	0.02 U	0.01 J	0.02 U	5.00 U	0.02 J	0.01 U	0.01 U
21806	INEL	Inorganic Non-metal	218	440	17.00 U	0.17 U	0.31 U	0.21 U	17.00 U	0.27 U	0.30 U	0.20 U
21816	INEL	Solidified Inorganics	211	1	42.00 J	0.09 U	0.16 U	1.20	17.00 U	3.70	0.27 J	0.10 U
21865	INEL	Solidified Inorganics	211	1	17.00 U	1.80 U	1.10 U	1.60 U	17.00 U	4.80 J	1.40 U	0.82 U
21993	INEL	Solidified Inorganics	211	2	17.00 U	0.84 U	0.53 U	0.77 U	17.00 U	4.10 J	0.64 J	0.39 U
22000	INEL	Inorganic Non-metal	218	440	17.00 U	0.19 U	0.12 U	0.17 U	17.00 U	0.13 U	0.55 U	0.09 U
22036	INEL	Uncategorized Metal	217	480	17.00 U	0.06 U	0.14 J	0.08 U	17.00 U	0.10 U	0.14 U	0.07 U
22038	RFETS	Uncategorized Metal	217	481	11.00 J	0.35 U	4.00	0.66 J	28.00 J	0.30 U	1.30 J	0.52 J
22052	INEL	Uncategorized Metal	217	481	17.00 U	0.02 U	0.03 U	0.02 U	17.00 U	0.02 J	0.54 J	0.02 U
22102	INEL	Solidified Organics	226	432	17.00 U	0.19 U	0.12 U	2.00	17.00 U	0.13 U	3.90	0.09 U
22105	INEL	Solidified Inorganics	211	1	17.00 U	0.79 U	0.50 U	0.72 U	17.00 U	0.55 U	0.59 U	0.36 U
22119	INEL	Inorganic Non-metal	222	371	17.00 U	1.00 U	0.64 U	0.93 U	17.00 U	7.70	0.88 U	0.46 U
22121	INEL	Solidified Inorganics	211	7	17.00 U	0.13 U	19.00	0.33 J	15.00 U	9.00	0.66 J	0.15 U
22135	INEL	Solidified Inorganics	211	7	17.00 U	1.30 U	46.00	1.20 U	17.00 U	24.00	0.97 U	0.59 U
22136	RFETS	Solidified Inorganics	211	7	5.00 U	1.60 U	4.10 J	1.50 J	5.00 U	11.00	1.20 U	0.76 U
22149	RFETS	Solidified Inorganics	211	7	5.00 U	0.41 U	1.10 J	0.38 U	5.00 U	1.90 J	6.70	0.19 U
22224	INEL	Solidified Inorganics	211	1	17.00 U	0.79 U	0.50 U	2.50 J	17.00 U	4.80	1.30 J	1.90 J
22226	RFETS	Inorganic Non-metal	222	371	14.00 J	2.20 U	1.40 U	2.00 U	11.00 J	2.30 J	1.60 U	1.00 U
22228	INEL	Inorganic Non-metal	222	371	17.00 U	0.28 U	0.18 U	0.26 U	18.00 U	3.20	0.10 U	0.13 U
22230	INEL	Inorganic Non-metal	222	371	17.00 U	0.22 U	0.14 U	0.21 U	17.00 U	4.80	0.17 U	0.10 U
22249	INEL	Uncategorized Metal	217	480	17.00 U	1.50 U	2.70 U	1.80 U	17.00 U	2.30 U	3.30 U	1.70 U
22275	INEL	Uncategorized Metal	217	480	64.00 J	0.33 U	0.61 U	0.58 J	17.00 U	12.00	0.88 U	0.38 U
22286	RFETS	Uncategorized Metal	217	480	65.00 J	0.94 U	3.60 U	0.87 U	8.90 J	8.60	0.71 U	0.43 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Dichloroethene	Acetone	Methylene Chloride	1,1-Dichloroethane	cis-1,2-Dichloroethene
022296	INEL	Solidified Inorganics	211	1	17.00 U	0.72 U	1.30 U	2.00	17.00 U	8.20	0.14 U	0.84 U
022306	INEL	Inorganic Non-metal	218	440	17.00 U	1.70 U	1.10 U	1.60 U	15.00 U	1.20	0.56 U	0.77 U
022338	INEL	Solidified Organics	212	3	17.00 U	220.00 U	5500.0	210.00 U	27.00 J	160.00 U	170.00 U	100.00 U
022347	INEL	Inorganic Non-metal	218	440	17.00 U	0.22 U	0.42 U	0.34 J	17.00 U	1.70	0.27 U	0.26 U
022358	INEL	Uncategorized Metal	217	480	17.00 U	0.02 U	0.07 J	0.24 J	17.00 U	0.02 U	0.08 J	0.02 U
022416	RFETS	Uncategorized Metal	217	320	12.00 J	0.10 U	0.10 JB	0.09 U	8.20 J	0.78	0.07 U	0.05 U
022434	INEL	Solidified Organics	226	432	17.00 U	0.73 U	0.46 U	3.70	17.00 U	0.51 U	7.60	0.34 U
022442	INEL	Solidified Organics	226	432	17.00 U	2.15 U	1.36 U	19.00	17.00 U	2.00 U	9.00 J	0.99 U
022450	RFETS	Uncategorized Metal	217	320	5.00 U	0.17 U	0.10 U	0.15 U	5.00 U	1.60	0.12 U	0.08 U
022453	RFETS	Solidified Inorganics	211	2	5.00 U	0.15 U	0.17 J	0.91	5.00 U	0.13 U	0.11 U	0.07 U
022486	RFETS	Inorganic Non-metal	218	440	5.00 U	3.30 U	2.10 U	3.10 U	11.00 J	2.90 U	2.50 U	1.50 U
022511	INEL	Uncategorized Metal	217	480	17.00 U	1.70 U	1.10 U	1.60 U	18.00 U	2.20	0.35 U	0.80 U
022513	INEL	Solidified Organics	212	1	17.00 U	0.51 U	0.32 U	0.49 J	17.00 U	1.10 J	0.38 U	0.23 U
022517	INEL	Solidified Organics	226	432	17.00 U	0.22 U	0.14 U	2.60	17.00 U	0.15 U	2.30 J	0.10 U
022539	INEL	Solidified Organics	226	432	17.00 U	0.22 U	0.14 U	1.60	17.00 U	0.15 U	1.60	0.10 U
022549	INEL	Uncategorized Metal	217	480	17.00 U	2.80 U	1.80 U	2.60 U	18.00 U	2.00 U	0.34 U	1.30 U
022552	INEL	Inorganic Non-metal	218	442	17.00 U	0.65 U	0.41 U	0.59 U	17.00 U	6.40	1.90 U	0.30 U
022557	INEL	Uncategorized Metal	217	480	17.00 U	0.51 U	0.95 U	0.65 U	17.00 U	3.70	0.02 U	0.60 U
022595	INEL	Solidified Inorganics	211	1	17.00 U	0.25 U	0.46 U	0.31 U	15.00 U	7.00	0.48 U	0.29 U
022600	RFETS	Solidified Inorganics	213	4	3800.0 D	0.52 U	0.33 U	2.10 J	130.00 U	0.45 U	0.69 J	0.24 U
022780	INEL	Solidified Inorganics	211	7	17.00 U	0.36 U	12.00	0.96 J	18.00 U	30.00	0.53 U	0.42 U
022789	INEL	Solidified Inorganics	211	7	17.00 U	1.20 U	6.00	1.10 U	17.00 U	19.00	0.93 U	0.57 U
022790	INEL	Solidified Inorganics	214	292	17.00 U	0.17 U	0.32 U	0.22 U	18.00 U	1.90	0.22 U	0.20 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**



Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Dichloroethene	Acetone	Methylene Chloride	1,1-Dichloroethane	cis-1,2-Dichloroethene
022803	INEL	Inorganic Non-metal	222	371	17.00 U	1.20 U	0.75 U	1.10 U	15.00 U	3.80 J	1.00 U	0.54 U
022807	INEL	Salt Waste	224	414	17.00 U	0.23 U	0.15 U	0.27 J	17.00 U	0.81 J	0.18 U	0.11 U
022811	INEL	Solidified Inorganics	211	7	17.00 U	0.30 U	19.00	0.65 J	17.00 U	20.00	0.32 U	0.35 U
022833	INEL	Solidified Inorganics	211	7	17.00 U	2.20 U	38.00	3.70	15.00 U	120.00	0.74 U	2.50 U
022841	INEL	Solidified Inorganics	211	7	17.00 U	1.20 U	5.20	2.80	17.00 U	84.00	0.04 U	1.40 U
022850	INEL	Solidified Inorganics	211	7	17.00 U	0.72 U	47.00	1.80	17.00 U	41.00	0.14 U	0.84 U
022874	INEL	Inorganic Non-metal	222	371	17.00 U	0.40 U	0.25 U	0.36 U	17.00 U	5.00	0.38 U	0.18 U
022894	INEL	Solidified Inorganics	211	1	17.00 U	0.10 U	0.29 J	0.34 J	15.00 U	3.50	0.19 U	0.12 U
022923	INEL	Inorganic Non-metal	218	440	17.00 U	0.73 U	0.46 U	0.67 U	17.00 U	0.61 J	0.05 U	0.34 U
023005	INEL	Solidified Inorganics	211	7	17.00 U	0.34 U	9.30	0.31 U	17.00 U	4.00	0.25 U	0.16 U
023027	RFETS	Uncategorized Metal	217	480	5.00 U	0.33 U	0.21 U	0.30 U	5.00 U	0.29 U	0.25 U	0.15 U
023041	RFETS	Inorganic Non-metal	222	371	13.00 J	0.54 U	0.34 U	0.49 U	10.00 J	1.10 J	0.40 U	0.25 U
023046	RFETS	Solidified Inorganics	211	7	5.00 U	0.95 U	6.50	0.87 U	5.90 J	10.00	0.71 U	0.43 U
023048	RFETS	Solidified Organics	226	432	17.00 U	0.79 U	0.50 U	12.00	17.00 U	0.55 U	1.90	0.36 U
023062	INEL	Solidified Inorganics	211	7	17.00 U	0.34 U	2.50	0.31 U	17.00 U	4.90	0.25 U	0.16 U
023211	INEL	Filter	119	376	17.00 U	0.11 U	0.09 J	0.10 U	17.00 U	0.34 J	0.08 U	0.05 U
023212	RFETS	Uncategorized Metal	217	480	5.00 U	1.10 U	0.70 U	3.20 J	9.20 J	5.20 J	1.30 J	0.51 U
023227	INEL	Uncategorized Metal	217	480	17.00 U	0.19 U	0.12 U	0.17 U	17.00 U	0.25 J	0.50 U	0.09 U
023229	INEL	Combustible	216	337	17.00 U	1.10 U	0.71 U	1.00 U	17.00 U	0.78 U	0.84 U	0.52 U
023235	RFETS	Heterogeneous	216	336	95.00 J	0.30 U	0.19 U	0.27 U	23.00 J	4.30	0.66 J	0.14 U
023238	INEL	Solidified Inorganics	211	1	17.00 U	0.16 U	0.62 J	0.75 J	17.00 U	4.50	4.10	0.18 U
023277	INEL	Inorganic Non-metal	222	371	17.00 U	2.00 U	1.20 U	1.80 U	17.00 U	9.20 J	1.50 U	0.90 U
023285	INEL	idified Inorganics	211	7	17.00 U	3.80 U	3.40 J	4.10 J	17.00 U	27.00	5.00 J	1.70 U



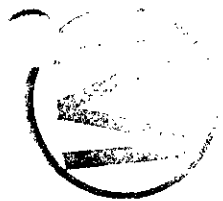
**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Item #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Dichloroethene	Acetone	Methylene Chloride	1,1-Dichloroethane	cis-1,2-Dichloroethene
023312	INEL	Uncategorized Metal	217	480	17.00 U	0.73 U	1.40 U	1.80	17.00 U	5.80	0.35 J	0.84 U
023341	RFETS	Solidified Inorganics	211	7	5.00 U	0.02 U	1.40 E	0.05 J	5.00 U	0.94	0.02 J	0.01 U
023357	INEL	Solidified Inorganics	211	1	17.00 U	0.28 U	0.18 U	0.89 J	17.00 U	0.72 J	1.30 J	0.13 U
023383	RFETS	Uncategorized Metal	217	481	5.00 U	0.02 U	0.06 J	0.02 U	5.00 U	0.07 J	0.02 J	0.01 U
023384	INEL	Combustible	223	339	15.00 U	0.09 U	0.15 U	0.11 U	15.00 U	14.00	2.20 U	0.08 U
023388	INEL	Heterogeneous	216	330	18.00 U	0.08 U	0.12 U	0.12 J	15.00 U	1.30	1.30 U	0.07 U
023392	INEL	Solidified Inorganics	213	4	1000.0	1.30 U	0.80 U	2.60 J	43.00 U	0.88 U	3.00 J	0.58 U
023407	INEL	Solidified Organics	212	3	17.00 U	44.00 U	28.00 U	40.00 U	17.00 U	31.00 U	33.00 U	20.00 U
023460	INEL	Inorganic Non-metal	218	442	17.00 U	0.06 U	0.06 J	0.05 U	23.00 J	0.88 J	0.66 J	0.03 U
023469	INEL	Solidified Organics	212	3	17.00 U	0.67 U	45.00	4.60	17.00 U	22.00	2.10 J	0.31 U
023492	INEL	Solidified Inorganics	211	7	17.00 U	1.40 U	1.20 J	1.30 U	17.00 U	7.10 J	1.00 U	0.64 U
023519	INEL	Solidified Organics	212	3	17.00 U	2.80 U	49.00	3.50 U	17.00 U	44.00	0.44 J	3.20 U
023535	INEL	Solidified Inorganics	211	7	17.00 U	0.72 U	1.60	1.70	15.00 U	30.00	3.90	0.84 U
023552	INEL	Solidified Inorganics	211	1	17.00 U	1.60 U	1.00 U	1.40 U	17.00 U	9.40 J	1.20 U	0.72 U
023662	INEL	Inorganic Non-metal	218	442	17.00 U	0.19 U	0.12 U	0.17 U	2.40 U	1.30	0.55 J	0.09 U
023681	INEL	Solidified Inorganics	211	1	36.00 J	0.67 U	0.43 U	0.63 J	17.00 U	0.47 U	0.93 J	0.31 U
023695	RFETS	Solidified Inorganics	211	2	5.00 U	0.35 U	0.39 J	0.32 U	5.00 U	2.50	0.29 J	0.16 U
023771	RFETS	Heterogeneous	216	330	12.00 J	0.36 U	0.23 U	0.33 U	35.00 J	8.00	4.70	0.17 U
023776	INEL	Heterogeneous	216	330	15.00 U	0.74 U	0.47 U	0.68 U	51.00 J	2.50	0.77 J	0.34 U
023805	INEL	Uncategorized Metal	217	480	17.00 U	0.01 U	0.07 J	0.02 U	17.00 U	1.10	0.17 U	0.02 U
023827	RFETS	Uncategorized Metal	217	320	5.00 U	0.02 U	0.03 J	0.02 U	5.00 U	0.61	0.03 J	0.01 U
023840	INEL	Combustible	216	337	150.00	0.29 U	0.46 U	0.42 J	17.00 U	5.20	0.81 J	0.24 U
023901	INEL	Heterogeneous	216	330	18.00 U	0.28 U	0.44 U	2.70	27.00 J	0.26 U	0.16 U	0.23 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

rum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
023929	RFETS	Inorganic Non-metal	218	440	5.00 U	1.10 U	0.71 U	1.00 U	5.00 U	0.98 U	0.84 U	0.51 U
023959	INEL	Uncategorized Metal	217	480	17.00 U	2.50 U	1.60 U	2.30 U	17.00 U	14.00	0.05 J	1.20 U
024028	RFETS	Inorganic Non-metal	218	440	5.00 U	0.23 U	0.15 U	0.22 U	5.00 U	1.00 J	0.18 U	0.11 U
024029	INEL	Uncategorized Metal	217	480	17.00 U	0.02 U	0.03 U	0.02 U	18.00 J	0.02 U	0.37 J	0.02 U
024058	INEL	Solidified Inorganics	211	1	17.00 U	0.84 U	0.53 U	0.77 U	17.00 U	0.59 U	0.63 U	0.39 U
024059	INEL	Solidified Inorganics	214	292	17.00 U	0.34 U	0.21 U	0.31 U	17.00 U	0.25 J	0.25 U	0.16 U
024088	INEL	Combustible	216	337	15.00 U	0.64 U	0.41 U	0.59 U	15.00 J	1.30	11.00 U	0.30 U
024090	INEL	Combustible	216	337	55.00 J	0.44 U	0.69 U	0.50 U	17.00 U	2.10	0.02 U	0.37 U
024092	INEL	Combustible	216	337	17.00 U	2.80 U	1.90	2.60 U	17.00 U	4.10	0.05 J	1.30 U
024095	INEL	Combustible	216	337	18.00 U	0.18 U	0.29 U	0.21 U	17.00 U	0.17 U	0.02 U	0.15 U
024102	INEL	Combustible	216	337	120.00	0.96 U	0.61 U	0.88 U	17.00 U	0.67 U	0.10 J	0.44 U
024106	INEL	Combustible	216	337	360.00	1.40 U	1.50	1.30 U	17.00 U	0.98 U	0.04 U	0.64 U
024113	INEL	Combustible	216	337	140.00	0.42 U	0.27 U	0.39 U	17.00 U	0.29 U	0.02 U	0.19 U
024147	INEL	Solidified Inorganics	211	1	17.00 U	1.30 U	0.82 U	1.20 U	17.00 U	2.40 J	0.97 U	0.59 U
024165	INEL	Combustible	216	337	230.00	0.99 U	0.63 U	0.91 U	17.00 U	2.30	2.10 U	0.46 U
024168	INEL	Heterogeneous	216	330	17.00 U	0.06 U	0.04 U	0.05 U	17.00 U	0.04 U	0.10 J	0.03 U
024185	INEL	Salt Waste	224	409	17.00 U	0.06 U	0.09 J	0.10 J	17.00 U	0.21 J	0.05 U	0.03 U
024254	INEL	Salt Waste	224	414	17.00 U	0.09 U	0.06 U	0.09 U	17.00 U	0.07 U	0.07 U	0.04 U
024271	INEL	Inorganic Non-metal	218	442	17.00 U	0.19 U	0.12 U	0.17 U	17.00 U	0.55 J	2.80 U	0.09 U
024273	INEL	Inorganic Non-metal	218	442	17.00 U	0.36 U	0.23 U	0.34 U	17.00 U	0.26	0.27 U	0.17 U
024289	RFETS	Inorganic Non-metal	218	440	5.20 J	0.66 U	0.69 J	0.61 U	5.30 J	0.67 J	0.50 U	0.30 U
024295	INEL	Salt Waste	224	414	17.00 U	0.19 U	0.12 U	1.00 J	17.00 U	0.13 U	0.14 U	0.09 U
024308	INEL	olidified Inorganics	211	2	17.00 U	0.28 U	0.18 U	0.26 U	17.00 U	0.20 U	0.21 U	0.13 U





**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**



Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
024309	INEL	Solidified Inorganics	211	2	17.00 U	0.23 U	0.14 U	0.41 J	17.00 U	0.16 U	0.17 U	0.10 U
024311	INEL	Solidified Inorganics	211	2	41.00 U	0.46 U	0.29 U	0.42 U	41.00 U	0.32 U	0.34 U	0.21 U
024318	INEL	Solidified Inorganics	211	2	17.00 U	0.45 U	0.28 U	0.41 U	17.00 U	0.31 U	0.34 U	0.21 U
024506	INEL	Inorganic Non-metal	122	374	17.00 U	0.11 U	0.07 U	0.10 U	17.00 U	0.10 U	0.08 U	0.05 U
024507	INEL	Uncategorized Metal	117	480	17.00 U	0.19 J	0.09 U	0.13 U	17.00 U	0.20 J	0.10 U	0.06 U
024600	INEL	Uncategorized Metal	217	480	17.00 U	0.51 U	0.32 U	0.46 U	18.00 J	0.35 U	2.40 U	0.23 U
024638	INEL	Heterogeneous	216	330	15.00 U	0.25 U	0.16 U	0.23 U	17.00 U	0.17 U	0.04 U	0.11 U
024670	INEL	Solidified Inorganics	211	1	17.00 U	1.00 U	0.64 U	0.93 U	17.00 U	3.10 J	0.76 U	0.46 U
024765	INEL	Uncategorized Metal	217	480	17.00 U	0.05 U	0.07 U	0.11 J	17.00 U	1.30	0.63 U	0.04 U
024786	INEL	Uncategorized Metal	217	480	17.00 U	0.68 U	0.43 U	0.62 U	17.00 U	5.60	0.13 J	0.31 U
024850	INEL	Solidified Organics	226	432	17.00 U	0.19 U	0.12 BJ	0.98 J	17.00 U	0.13 U	7.10	0.09 U
024884	INEL	Uncategorized Metal	217	480	17.00 U	0.45 U	0.28 U	0.41 U	17.00 U	0.31 U	0.34 U	0.21 U
024897	INEL	Solidified Inorganics	211	1	17.00 U	0.45 U	0.28 U	0.41 U	17.00 U	0.31 U	0.34 U	0.21 U
024920	INEL	Solidified Inorganics	211	1	17.00 U	1.30 U	0.82 U	1.20 U	17.00 U	0.90 U	0.97 U	0.59 U
024991	INEL	Solidified Inorganics	211	1	17.00 U	0.62 U	0.39 U	0.57 U	17.00 U	0.43 U	0.46 U	0.28 U
025001	INEL	Solidified Organics	212	3	17.00 U	2.20 U	1.40 U	2.10 U	17.00 U	1.60 U	1.70 J	1.00 U
032284	INEL	Combustible	223	339	17.00 U	0.30 U	0.46 U	0.53 J	17.00 U	46.00	4.20 U	0.25 U
032287	RFETS	Solidified Inorganics	211	7	5.00 U	2.20 U	8.20 JB	2.00 U	6.00 J	29.00	1.60 U	1.00 U
032467	INEL	Combustible	216	337	17.00 U	0.45 U	0.28 U	0.41 U	59.00 J	0.31 U	58.00 J	0.21 U
032469	RFETS	Combustible	216	337	5.00 U	0.73 U	2.10 JB	0.67 U	5.00 U	0.64 U	0.55 U	0.34 U
032473	INEL	Combustible	216	337	15.00 U	3.00 U	1.90 U	2.80 U	17.00 U	19.00	0.06 U	1.40 U
032485	INEL	Combustible	216	337	72.00 J	1.80 U	2.20	1.60 U	17.00 U	1.40	1.90 U	0.80 U
032517	RFETS	Combustible	223	339	5.00 U	0.16 U	0.10 U	0.15 U	18.00 J	8.40	0.53 J	0.08 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

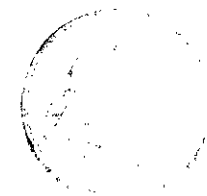
run #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
032521	INEL	Combustible	223	339	17.00 U	0.07 U	0.10 U	0.07 U	17.00 U	17.00	0.88 U	0.05 U
032525	INEL	Combustible	223	339	17.00 U	0.04 U	0.24 J	0.05 J	17.00 U	12.00	0.50 U	0.03 U
032526	INEL	Combustible	223	339	15.00 U	0.55 U	1.20	0.62 U	17.00 U	24.00	0.10 U	0.46 U
032529	INEL	Heterogeneous	216	336	11.00 U	1.80 U	0.32 U	1.00 U	17.00 U	55.00 B	0.07 U	0.18 U
032540	INEL	Uncategorized Metal	217	480	18.00 J	0.73 U	0.46 U	1.10	17.00 U	19.00	0.84 U	0.34 U
032632	INEL	Uncategorized Metal	217	480	17.00 U	0.14 U	0.22 U	0.39 J	17.00 U	3.40	1.30 U	0.12 U
032659	RFETS	Uncategorized Metal	217	480	5.00 U	0.58 U	0.37 U	0.53 U	9.50 J	6.40	0.43 U	0.26 U
032669	RFETS	Uncategorized Metal	217	480	7.60 J	0.63 U	0.40 U	0.58 U	18.00 J	2.30 J	0.47 U	0.29 U
032712	INEL	Uncategorized Metal	217	480	17.00 U	0.54 U	0.34 U	0.49 U	17.00 U	0.55 J	0.06 J	0.25 U
032715	RFETS	Combustible	216	337	5.00 U	0.17 U	0.28 JB	0.15 U	5.00 U	0.15 J	0.13 U	0.08 U
032748	INEL	Combustible	223	339	11.00 U	1.80 U	0.32 U	1.00 U	17.00 U	36.00 B	0.72 U	0.18 U
032753	INEL	Uncategorized Metal	217	481	17.00 U	0.06 U	0.04 J	0.05 U	17.00 U	0.04 U	0.04 U	0.03 U
033091	INEL	Combustible	223	339	17.00 U	0.02 U	0.03 U	0.02 U	17.00 U	1.60	26.00	0.02 U
D01332	RFETS	Heterogeneous	116	832	31.27 J	1.00 U	0.50 U	0.50 U	16.95 J	0.50 U	0.50 U	0.50 U
D06288	RFETS	Filter	119	338	1.30 U	0.20 U	0.10 U	0.10 U	0.56 J	0.10 U	0.10 U	0.10 U
D06339	RFETS	Heterogeneous	0	337	32.49 J	0.40 U	0.20 U	0.20 U	144.65 J	3.84	0.27 J	0.20 U
D11129	RFETS	Filter	119	338	5.87 J	0.20 U	0.10 U	0.10 U	2.76 J	0.29 J	0.10 U	0.10 U
D13364	RFETS	Uncategorized Metal	117	480	37.92 J	0.10 U	0.10 U	0.10 U	46.78 J	3.15	0.33 J	0.10 U
D15680	RFETS	Heterogeneous	116	831	866.66 U	133.33 U	66.67 U	66.67 U	333.33 U	66.67 U	66.67 U	66.67 U
D17184	RFETS	Solidified Inorganics	111	800	1.90 U	0.10 U	0.45 J	0.12 J	1.20 U	0.26 J	0.10 U	0.10 U
D32439	RFETS	Filter	119	338	5.96 J	0.20 U	0.10 U	0.10 U	4.57 J	1.19	0.10 U	0.10 U
D32978	RFETS	Solidified Inorganics	111	803	73.67 U	11.33 U	73.26	19.57 J	28.34 U	161.84	7.44 J	5.67 U
D35301	RFETS	Solidified Inorganics	111	800	1.90 U	0.10 U	0.10 U	0.10 U	1.20 U	0.10 U	0.10 U	0.10 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Item #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Dichloro-ethene	Acetone	Methylene Chloride	1,1-Dichloro-ethane	cis-1,2-Dichloro-ethene
D35306	RFETS	Lead/Cadmium Metal Waste	123	339	22.26 J	0.40 U	0.20 U	0.20 U	92.37 J	22.22	1.17 J	0.20 U
D36606	RFETS	Uncategorized Metal	117	480	9.44 J	0.80 U	0.40 U	0.40 U	2.00 U	0.40 U	0.40 U	0.40 U
D38859	RFETS	Solidified Inorganics	111	803	2.74 J	0.10 U	0.10 U	0.10 U	1.20 U	0.10 U	0.10 U	0.10 U
D38989	RFETS	Heterogeneous	0	336	1.69 J	0.20 U	0.10 U	0.10 U	17.99 J	1.18	0.19 J	0.10 U
D41681	RFETS	Filter	119	338	52.16 J	0.20 U	0.10 U	0.10 U	35.93 J	2.22	0.13 J	0.10 U
D42280	RFETS	Solidified Organics	112	801	5416.6 U	833.33 U	1682.9 J	416.67 U	2083.3 U	416.67 U	416.67 U	416.67 U
D47501	RFETS	Lead/Cadmium Metal Waste	0	341	11.85 J	0.20 U	0.10 U	0.10 U	31.67 J	0.52 J	0.10 U	0.10 U
D48182	RFETS	Filter	119	376	50.37 J	0.40 U	0.40 U	0.40 U	4.80 U	0.40 U	0.40 U	0.40 U
D48200	RFETS	Heterogeneous	116	831	152.00 U	8.00 U	8.00 U	8.00 U	96.00 U	8.00 U	8.00 U	8.00 U
D48377	RFETS	Inorganic Non-metal	118	368	1.90 U	0.10 U	0.10 U	0.10 U	4.95 J	0.12 J	0.10 U	0.10 U
D49662	RFETS	Solidified Inorganics	0	292	1.38 J	0.20 U	0.10 U	0.10 U	0.50 U	0.10 U	0.10 U	0.10 U
D49880	RFETS	Heterogeneous	0	336	3.47 U	0.53 U	0.27 U	0.27 U	22.48 J	3.36	0.66 J	0.27 U
D52318	RFETS	Lead/Cadmium Metal Waste	117	321	5.08 J	0.20 U	0.10 U	0.10 U	3.15 J	0.10 U	0.10 U	0.10 U
D52362	RFETS	Heterogeneous	116	821	7.99 J	0.20 U	0.20 U	0.20 U	2.40 U	0.23 J	0.20 U	0.20 U
D52726	RFETS	Heterogeneous	116	833	10.40 U	1.60 U	0.80 U	0.80 U	4.00 U	0.80 U	0.80 U	0.80 U
D53672	RFETS	Inorganic Non-metal	118	440	147.84 J	0.20 U	0.21 J	0.20 U	7.22 J	0.20 U	0.20 U	0.20 U
D55656	RFETS	Heterogeneous	116	831	5.70 U	0.30 U	0.34 J	0.30 U	6.81 J	0.30 U	0.30 U	0.30 U
D55680	RFETS	Heterogeneous	116	821	3.80 U	0.20 U	0.20 U	0.20 U	2.40 U	0.20 U	0.20 U	0.20 U
D55938	RFETS	Heterogeneous	116	831	3.80 U	0.20 U	0.20 U	0.20 U	2.40 U	0.20 U	0.20 U	0.20 U
D56095	RFETS	Heterogeneous	0	337	10.20 J	0.20 U	0.10 U	0.10 U	0.59 J	0.10 U	0.10 U	0.10 U
D56595	RFETS	Heterogeneous	116	831	173.33 U	26.67 U	798.33	13.33 U	66.67 U	13.33 U	13.33 U	13.33 U
D56755	RFETS	Heterogeneous	116	821	1.90 U	0.10 U	0.16 J	0.10 U	1.20 U	0.32 J	0.10 U	0.10 U
D56823	RFETS	Heterogeneous	116	831	29.77 J	0.40 U	0.40 J	0.40 U	4.80 U	0.40 U	0.40 U	0.40 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**



rum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Dichloro-ethene	Acetone	Methylene Chloride	1,1-Dichloro-ethane	cis-1,2-Dichloro-ethene
D57179	RFETS	Heterogeneous	0	330	27.22 J	4.00 U	35.83	4.85 J	10.00 U	2.00 U	2.00 U	2.00 U
D57522	RFETS	Heterogeneous	0	336	292.23 J	0.80 U	0.40 U	0.40 U	61.39 J	0.40 U	0.40 U	0.40 U
D57847	RFETS	Uncategorized Metal	117	480	18.12 J	0.80 U	0.65 J	0.40 U	7.25 J	0.40 U	0.40 U	0.40 U
D58143	RFETS	Solidified Inorganics	111	807	1.90 U	0.10 U	0.65 J	0.10 U	1.20 U	0.10 U	0.10 U	0.10 U
D58154	RFETS	Heterogeneous	116	831	33.35 J	0.80 U	0.40 U	0.40 U	19.22 J	1.10 J	0.40 U	0.40 U
D58627	RFETS	Heterogeneous	116	831	9.82 J	0.40 U	0.20 U	0.20 U	1.00 U	0.47 J	0.20 U	0.20 U
D58889	RFETS	Heterogeneous	116	831	2.60 U	0.40 U	0.20 U	0.20 U	1.00 U	0.20 U	0.20 U	0.20 U
D58970	RFETS	Solidified Inorganics	111	807	1.90 U	0.10 U	0.79 J	0.10 U	1.20 U	0.16 J	0.10 U	0.10 U
D59053	RFETS	Lead/Cadmium Metal Waste	0	341	4.44 J	0.20 U	0.10 U	0.10 U	32.29 J	5.31	0.45 J	0.10 U
D59703	RFETS	Heterogeneous	116	831	13.44 J	1.00 U	0.50 U	0.50 U	15.55 J	1.67 J	0.50 U	0.50 U
D59899	RFETS	Filter	0	331	18.73 Ja	1.00 U	0.50 U	0.50 U	844.03 J	0.50 U	0.50 U	0.50 U
D60056	RFETS	Lead/Cadmium Metal Waste	0	341	23.41 J	0.53 U	0.27 U	0.27 U	118.24 J	13.76	0.96 J	0.27 U
D60218	RFETS	Heterogeneous	116	821	26.43 J	0.20 U	0.20 U	0.20 U	35.91 J	0.20 U	0.20 U	0.20 U
D60298	RFETS	Solidified Organics	112	801	10893 U	573.33 U	605.44 J	573.33 U	6880.0 U	573.33 U	573.33 U	573.33 U
D60320	RFETS	Heterogeneous	0	330	364.00 U	56.00 U	28.70 J	28.00 U	144.48 J	28.00 U	28.00 U	28.00 U
D60463	RFETS	Inorganic Non-metal	118	440	9.15 J	0.10 U	0.29 J	0.10 U	2.58 J	0.18 J	0.10 U	0.10 U
D60511	RFETS	Filter	119	491	194.76 J	0.20 U	0.20 U	0.20 U	11.29 J	0.20 U	0.20 U	0.20 U
D60635	RFETS	Filter	119	491	12.71 J	0.10 U	0.10 U	0.10 U	1.28 J	0.18 J	0.10 U	0.10 U
D61245	RFETS	Heterogeneous	0	336	93.88 J	0.93 U	1.08 J	0.47 U	143.48 J	1.12 J	0.47 U	0.47 U
D61278	RFETS	Heterogeneous	0	336	110.62 J	0.53 U	0.27 U	0.27 U	45.34 J	22.83	1.16 J	0.27 U
D61473	RFETS	Heterogeneous	0	377	79.38 J	0.30 U	0.30 U	0.30 U	2.60 U	0.33 J	0.30 U	0.30 U
D61504	RFETS	Lead/Cadmium Metal Waste	0	341	27.30 J	0.20 U	0.10 U	0.10 U	87.45 J	9.88	0.57 J	0.10 U
D61747	RFETS	Heterogeneous	0	330	21.66 J	0.53 U	0.27 U	0.27 U	30.03 J	1.43 J	0.27 U	0.27 U

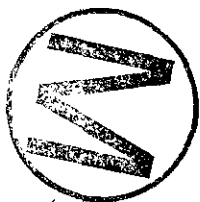
**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**



Item #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
D62340	RFETS	Heterogeneous	116	821	7.60 U	0.40 U	0.40 U	0.40 U	6.66 J	0.43 J	0.40 U	0.40 U
D62478	RFETS	Filter	119	376	77.31 J	0.40 U	0.40 U	0.40 U	4.80 U	0.40 U	0.40 U	0.40 U
D62714	RFETS	Heterogeneous	116	831	13.00 U	2.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
D62851	RFETS	Heterogeneous	116	825	10.44 J	0.30 U	0.30 U	0.30 U	3.60 U	0.30 U	0.30 U	0.30 U
D62855	RFETS	Heterogeneous	116	821	114.00 U	6.00 U	6.00 U	6.00 U	72.00 U	6.00 U	6.00 U	6.00 U
D63098	RFETS	Filter	0	331	16.50 Ja	1.00 U	3.08 J	0.50 U	715.70 J	0.50 U	0.50 U	0.50 U
D63229	RFETS	Heterogeneous	116	831	3.80 U	0.20 U	0.20 U	0.20 U	2.40 U	0.20 U	0.20 U	0.20 U
D63281	RFETS	Solidified Inorganics	111	807	1.90 U	0.10 U	0.15 J	0.10 U	1.20 U	0.10 U	0.10 U	0.10 U
D63460	RFETS	Heterogeneous	116	831	1.90 U	0.10 U	0.10 U	0.10 U	1.20 U	2.64	0.10 J	0.10 U
D63654	RFETS	Solidified Inorganics	111	807	2.95 J	0.10 U	0.10 U	0.10 U	1.20 U	0.10 U	0.10 U	0.10 U
D63808	RFETS	Heterogeneous	116	831	43.27 J	0.80 U	0.80 U	0.80 U	9.60 U	0.80 U	0.80 U	0.80 U
D63817	RFETS	Heterogeneous	116	821	30.40 U	1.60 U	1.60 U	1.60 U	19.20 U	202.29	1.60 U	1.60 U
D63819	RFETS	Solidified Inorganics	111	807	3.80 U	0.20 U	0.58 J	0.20 U	2.40 U	0.20 U	0.20 U	0.20 U
D63999	RFETS	Filter	119	491	245.84 J	0.30 U	0.30 U	0.30 U	3.60 U	0.30 U	0.30 U	0.30 U
D64004	RFETS	Filter	0	331	185.61 Ja	0.80 U	0.40 U	0.40 U	409.36 J	0.40 U	0.40 U	0.40 U
D64137	RFETS	Filter	119	335	1.90 U	0.10 U	0.10 U	0.10 U	1.20 U	0.10 U	0.10 U	0.10 U
D64448	RFETS	Heterogeneous	116	821	2090.0 U	110.00 U	110.00 U	110.00 U	1320.0 U	110.00 U	110.00 U	110.00 U
D64555	RFETS	Solidified Organics	112	801	10893 U	573.33 U	573.33 U	573.33 U	6880.0 U	573.33 U	573.33 U	573.33 U
D64632	RFETS	Solidified Inorganics	111	800	2.58 J	0.10 U	0.23 J	0.12 J	1.20 U	0.32 J	0.10 U	0.10 U
D64752	RFETS	Uncategorized Metal	117	480	26.00 U	4.00 U	2.00 U	2.68 J	10.00 U	2.00 U	2.00 U	2.00 U
D64758	RFETS	Heterogeneous	116	831	20.93 J	1.00 U	0.71 J	0.50 U	13.05 J	0.59 J	0.50 U	0.50 U
D64860	RFETS	Heterogeneous	116	831	156.00 U	24.00 U	12.00 U	12.00 U	60.00 U	12.00 U	12.00 U	12.00 U
D65212	RFETS	Heterogeneous	116	831	117.00 U	18.00 U	88.80 J	330.62	45.00 U	9.00 U	9.00 U	9.00 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

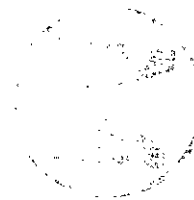
rum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro- 1,2-Trifluoro ethane	1,1-Di- chloro- ethene	Acetone	Methylene Chloride	1,1-Di- chloro- ethane	cis-1,2- Dichloro- ethene
D65213	RFETS	Heterogeneous	116	831	104.00 U	16.00 U	8.00 U	8.00 U	40.00 U	70.37 J	8.00 U	8.00 U
D65214	RFETS	Heterogeneous	116	831	1399.6 U	73.67 U	73.67 U	73.67 U	884.00 U	73.67 U	73.67 U	73.67 U
D65530	RFETS	Solidified Inorganics	111	807	1.90 U	0.10 U	0.89 J	0.13 J	1.20 U	0.10 J	0.10 U	0.10 U
D65535	RFETS	Solidified Inorganics	111	807	1.90 U	0.10 U	0.33 J	0.41 J	1.20 U	0.10 U	0.10 U	0.10 U
D65546	RFETS	Solidified Inorganics	111	807	1.90 U	0.10 U	0.33 J	0.37 J	1.20 U	0.10 U	0.10 U	0.10 U
D65600	RFETS	Solidified Inorganics	111	807	1.90 U	0.10 U	1.25	1.02	1.20 U	0.10 J	0.12 J	0.10 U
D65731	RFETS	Inorganic Non-metal	122	375	12.20 J	0.40 U	1.81 J	0.40 U	5.01 J	0.62 J	0.40 U	0.40 U
D65734	RFETS	Uncategorized Metal	117	480	33.76 J	0.70 U	0.70 U	0.70 U	30.96 J	89.04	0.70 U	0.70 U
D65754	RFETS	Heterogeneous	116	831	10.46 J	1.33 U	3.60 J	0.67 U	106.20 J	0.67 U	0.67 U	0.67 U
D65757	RFETS	Heterogeneous	116	831	39.00 U	6.00 U	3.00 U	3.00 U	15.00 U	3.00 U	3.00 U	3.00 U
D65972	RFETS	Filter	119	376	18.35 J	0.30 U	0.30 J	0.30 U	3.60 U	0.50 J	0.30 U	0.30 U
D66128	RFETS	Heterogeneous	116	831	24.20 J	1.00 U	3.03 J	0.50 U	2.87 J	0.50 U	0.50 U	0.50 U
D66157	RFETS	Uncategorized Metal	117	480	29.29 J	4.00 U	2.00 U	2.00 U	56.91 J	2.00 U	2.00 U	2.00 U
D66162	RFETS	Lead/Cadmium Metal Waste	123	339	1710.0 U	90.00 U	90.00 U	113.67 J	1080.0 U	90.00 U	90.00 U	90.00 U
D66211	RFETS	Heterogeneous	116	833	19.95 J	0.10 U	0.10 U	0.10 U	1.20 U	0.10 U	0.10 U	0.10 U
D66213	RFETS	Heterogeneous	116	831	7.49 J	0.60 U	2.63 J	8.85	5.57 J	0.30 U	0.30 U	0.30 U
D66356	RFETS	Heterogeneous	116	831	2166.6 U	333.33 U	166.67 U	166.67 U	833.33 U	166.67 U	166.67 U	166.67 U
D66378	RFETS	Heterogeneous	116	831	2496.0 U	384.00 U	192.00 U	192.00 U	960.00 U	192.00 U	192.00 U	192.00 U
D66438	RFETS	Uncategorized Metal	117	480	30.40 U	1.60 U	107.82	1.60 U	19.20 U	12.16 J	1.60 U	1.60 U
D66523	RFETS	Solidified Organics	112	801	10893 U	573.33 U	649.01 J	573.33 U	6880.0 U	573.33 U	573.33 U	573.33 U
D66525	RFETS	Solidified Inorganics	111	800	3.47 U	0.53 U	0.27 U	0.27 U	1.53 J	0.27 U	0.27 U	0.27 U
D66631	RFETS	Heterogeneous	116	831	9.82 J	0.50 U	0.50 U	0.50 U	9.29 J	0.50 U	0.50 U	0.50 U
D66637	RFETS	Heterogeneous	116	831	104.00 U	16.00 U	8.00 U	8.00 U	40.00 U	8.00 U	8.00 U	8.00 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Dichloro-ethene	Acetone	Methylene Chloride	1,1-Dichloro-ethane	cis-1,2-Dichloro-ethene
D66641	RFETS	Heterogeneous	116	831	1140.0 U	60.00 U	60.00 U	60.00 U	720.00 U	60.00 U	60.00 U	60.00 U
D66649	RFETS	Lead/Cadmium Metal Waste	123	339	1064.0 U	56.00 U	56.00 U	60.65 J	672.00 U	56.00 U	56.00 U	56.00 U
D66773	RFETS	Uncategorized Metal	117	480	16.38 J	0.30 U	0.30 U	0.30 U	11.15 J	0.44 J	0.30 U	0.30 U
D66783	RFETS	Heterogeneous	116	831	4750.0 U	250.00 U	250.00 U	250.00 U	3000.0 U	250.00 U	250.00 U	250.00 U
D66792	RFETS	Heterogeneous	116	831	1900.0 U	100.00 U	100.00 U	100.00 U	1200.0 U	100.00 U	100.00 U	100.00 U
D66860	RFETS	Heterogeneous	116	833	12.16 J	0.20 U	13.02	0.20 U	20.46 J	2.49	0.20 U	0.20 U
D66875	RFETS	Heterogeneous	116	832	1.90 U	0.10 U	0.10 U	0.23 J	1.20 U	0.10 U	0.10 U	0.10 U
D66948	RFETS	Heterogeneous	116	831	114.00 U	6.00 U	6.00 U	6.00 U	72.00 U	6.00 U	6.00 U	6.00 U
D66949	RFETS	Heterogeneous	116	831	11.40 U	0.60 U	0.60 U	0.60 U	7.20 U	0.60 U	0.60 U	0.60 U
D66953	RFETS	Uncategorized Metal	117	480	20.80 U	3.20 U	1.60 U	1.60 U	8.00 U	1.60 U	1.60 U	1.60 U
D66958	RFETS	Heterogeneous	116	831	12.97 J	0.30 U	0.33 J	0.30 U	3.60 U	0.30 U	0.30 U	0.30 U
D67009	RFETS	Solidified Organics	112	801	6460.0 U	340.00 U	624.24 J	340.00 U	4080.0 U	340.00 U	340.00 U	340.00 U
D67012	RFETS	Solidified Organics	112	801	17100 U	900.00 U	3386.7 J	900.00 U	10800 U	900.00 U	900.00 U	900.00 U
D67047	RFETS	Solidified Inorganics	111	807	5.58 J	0.20 U	1.59 J	0.20 U	3.21 J	0.20 U	0.20 U	0.20 U
D67251	RFETS	Uncategorized Metal	117	480	30221 J	2400.0 U	1200.0 U	1200.0 U	6000.0 U	179752	1200.0 U	1200.0 U
D67263	RFETS	Heterogeneous	116	831	171.00 U	9.00 U	9.00 U	11.37 J	108.00 U	9.00 U	10.00 J	9.00 U
D67277	RFETS	Heterogeneous	116	831	266.00 U	14.00 U	14.00 U	14.00 U	168.00 U	14.00 U	14.00 U	14.00 U
D67278	RFETS	Heterogeneous	116	831	1.90 U	0.10 U	0.10 U	0.10 U	1.20 U	0.53 J	0.10 U	0.10 U
D67312	RFETS	Heterogeneous	116	825	3.80 U	0.20 U	0.20 U	0.20 U	2.40 U	0.20 U	0.20 U	0.20 U
D67317	RFETS	Uncategorized Metal	117	480	24.15 J	0.53 U	0.27 U	0.27 U	11.63 J	0.77 J	0.27 U	0.27 U
D67390	RFETS	Solidified Organics	112	801	2470.0 U	130.00 U	330.07 J	130.00 U	1560.0 U	130.00 U	130.00 U	130.00 U
D67391	RFETS	Heterogeneous	116	833	10.08 J	0.53 U	0.27 U	0.27 U	1.33 U	0.53 J	0.27 U	0.27 U
D67413	RFETS	Solidified Organics	112	801	14250 U	750.00 U	1446.0 J	750.00 U	9000.0 U	750.00 U	750.00 U	750.00 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**



Trum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
D67434	RFETS	Solidified Inorganics	111	800	6.06 J	0.80 U	0.49 J	0.40 U	2.00 U	0.70 J	0.40 U	0.40 U
D67436	RFETS	Solidified Inorganics	111	800	5.75 J	0.27 U	0.58 J	0.13 U	0.73 J	0.49 J	0.13 U	0.13 U
D67441	RFETS	Solidified Inorganics	111	800	5.72 J	0.80 U	0.72 J	0.40 U	2.00 U	0.40 U	0.40 U	0.40 U
D67448	RFETS	Heterogeneous	116	852	1.90 U	0.10 U	0.10 U	0.10 U	1.20 U	2.50	0.10 U	0.10 U
D67455	RFETS	Filter	119	490	18.05 J	0.40 U	0.40 J	0.40 U	67.52 J	2.09 J	0.40 U	0.40 U
D67464	RFETS	Heterogeneous	116	831	4560.0 U	240.00 U	240.00 U	240.00 U	2880.0 U	240.00 U	240.00 U	240.00 U
D67524	RFETS	Heterogeneous	116	832	368.35 J	18.59 U	18.59 U	18.59 U	223.12 U	18.59 U	18.59 U	18.59 U
D67532	RFETS	Lead/Cadmium Metal Waste	123	339	119.70 U	6.30 U	6.30 U	6.30 U	75.60 U	6.30 U	6.30 U	6.30 U
D67535	RFETS	Heterogeneous	116	831	4.31 J	0.40 U	0.23 J	0.20 U	1.00 U	0.20 U	0.20 U	0.20 U
D67539	RFETS	Solidified Organics	112	801	6080.0 U	320.00 U	1238.4 J	320.00 U	3840.0 U	320.00 U	320.00 U	320.00 U
D67541	RFETS	Heterogeneous	116	825	1.90 U	0.10 U	0.10 U	0.10 U	1.20 U	0.10 U	0.10 U	0.10 U
D67545	RFETS	Solidified Organics	112	801	1710.0 U	90.00 U	227.16 J	90.00 U	1080.0 U	90.00 U	90.00 U	90.00 U
D67567	RFETS	Heterogeneous	116	831	19.53 J	0.30 U	0.30 U	0.30 U	10.53 J	0.72 J	0.30 U	0.30 U
D67582	RFETS	Heterogeneous	116	831	87.17 J	0.40 U	0.73 J	0.40 U	10.79 J	0.40 U	0.40 U	0.40 U
D67603	RFETS	Uncategorized Metal	117	480	293.37 J	13.00 U	13.00 U	13.00 J	156.00 U	13.00 U	13.00 U	13.00 U
D67654	RFETS	Solidified Inorganics	111	800	3.47 U	0.53 U	0.33 J	0.27 U	1.57 J	0.47 J	0.27 U	0.27 U
D67657	RFETS	Solidified Inorganics	111	800	8.88 J	0.53 U	0.66 J	0.27 U	1.33 U	0.27 U	0.27 U	0.27 U
D67678	RFETS	Heterogeneous	116	825	20.37 J	0.43 U	0.43 U	0.43 U	11.98 J	0.43 U	0.43 U	0.43 U
D67698	RFETS	Heterogeneous	116	831	20.80 U	3.20 U	1.60 U	1.60 U	146.01 J	239.94	1.60 U	1.60 U
D67707	RFETS	Heterogeneous	116	831	6.50 U	1.00 U	0.50 U	0.50 U	2.50 U	0.50 U	0.50 U	0.50 U
D67734	RFETS	Heterogeneous	116	831	2090.0 U	110.00 U	110.00 U	252.34 J	1320.0 U	110.00 U	110.00 U	110.00 U
D67735	RFETS	Uncategorized Metal	117	480	34.20 U	1.80 U	1.80 U	2.04 J	21.60 U	1.80 U	1.80 U	1.80 U
D67759	RFETS	Heterogeneous	116	831	53.20 U	2.80 U	2.80 U	2.80 U	33.60 U	220.86	2.80 U	2.80 U





**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
D67764	RFETS	Heterogeneous	116	831	26.00 U	4.00 U	2.00 U	2.00 U	10.00 U	298.84	2.00 U	2.00 U
D67766	RFETS	Heterogeneous	116	831	19.50 U	3.00 U	1.50 U	1.50 U	7.50 U	233.17	1.50 U	1.50 U
D67781	RFETS	Heterogeneous	116	831	7.13 J	0.30 U	0.30 U	0.30 U	11.63 J	0.49 J	0.30 U	0.30 U
D67908	RFETS	Heterogeneous	116	832	2.52 J	0.10 U	0.10 U	0.10 U	1.20 U	0.75 J	0.10 U	0.10 U
D67929	RFETS	Heterogeneous	116	832	1.30 U	0.20 U	0.10 U	0.10 J	0.50 U	0.10 U	0.10 U	0.10 U
D67989	RFETS	Heterogeneous	116	831	9.50 U	0.50 U	0.50 U	0.50 U	6.00 U	0.50 U	0.50 U	0.50 U
D67994	RFETS	Heterogeneous	116	831	39.51 J	5.33 U	2.67 J	2.67 U	13.34 U	2.67 U	2.67 U	2.67 U
D68044	RFETS	Heterogeneous	116	825	9.50 U	0.50 U	0.50 U	0.50 U	6.00 U	0.50 U	0.50 U	0.50 U
D68096	RFETS	Heterogeneous	116	821	5.34 J	0.20 U	0.20 U	0.20 U	2.40 U	0.20 U	0.20 U	0.20 U
D68247	RFETS	Solidified Inorganics	111	800	1.73 U	0.27 U	0.15 J	0.13 U	0.67 U	0.13 U	0.13 U	0.13 U
D68248	RFETS	Solidified Organics	112	801	2850.0 U	150.00 U	566.85 J	150.00 U	1800.0 U	150.00 U	150.00 U	150.00 U
D68250	RFETS	Solidified Organics	112	801	3230.0 U	170.00 U	577.32 J	170.00 U	2040.0 U	170.00 U	170.00 U	170.00 U
D68254	RFETS	Solidified Inorganics	111	800	3.47 U	0.53 U	0.27 U	0.27 U	2.83 J	0.27 U	0.27 U	0.27 U
D68256	RFETS	Solidified Inorganics	111	800	5.20 U	0.80 U	0.50 J	0.40 U	2.00 U	0.49 J	0.40 U	0.40 U
D68276	RFETS	Heterogeneous	116	852	1.90 U	0.10 U	0.10 U	0.10 U	1.20 U	1.38	0.16 J	0.10 U
D68277	RFETS	Uncategorized Metal	117	480	10.42 J	0.50 U	0.50 U	0.50 U	8.70 J	0.50 U	0.50 U	0.50 U
D68377	RFETS	Uncategorized Metal	117	480	4.24 J	0.40 U	0.20 U	0.20 U	1.36 J	0.20 U	0.20 U	0.20 U
D68460	RFETS	Heterogeneous	116	832	1.30 U	0.20 U	0.10 U	0.10 U	0.50 U	0.10 U	0.10 U	0.10 U
D68480	RFETS	Solidified Inorganics	111	800	9.99 J	0.20 U	0.10 U	0.10 U	0.71 J	4.09	0.10 U	0.10 U
D68486	RFETS	Solidified Organics	112	801	2660.0 U	140.00 U	196.98 J	140.00 U	1680.0 U	140.00 U	140.00 U	140.00 U
D68514	RFETS	Uncategorized Metal	117	480	20.24 J	0.10 U	0.10 U	0.10 U	7.15 J	0.10 U	0.10 U	0.10 U
D68538	RFETS	Lead/Cadmium Metal Waste	123	339	1.30 U	0.20 U	0.10 U	0.10 U	7.50 J	0.47 J	0.10 U	0.10 U
D68600	RFETS	Heterogeneous	116	825	342.00 U	18.00 U	85.91 J	18.00 U	216.00 U	18.00 U	18.00 U	18.00 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Item #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
D68601	RFETS	Heterogeneous	116	825	133.00 U	7.00 U	40.26 J	7.00 U	84.00 U	7.00 U	7.00 U	7.00 U
D68702	RFETS	Heterogeneous	116	833	1.90 U	0.10 U	0.11 J	0.10 U	1.20 U	0.10 U	0.10 U	0.10 U
D68724	RFETS	Heterogeneous	116	831	3420.0 U	180.00 U	180.00 U	180.00 U	2160.0 U	180.00 U	180.00 U	180.00 U
D68756	RFETS	Heterogeneous	116	831	2.60 U	0.40 U	0.20 U	0.20 U	1.00 U	0.20 U	0.20 U	0.20 U
D68885	RFETS	Heterogeneous	116	831	760.00 U	40.00 U	40.00 U	40.00 U	480.00 U	40.00 U	40.00 U	40.00 U
D68896	RFETS	Heterogeneous	116	831	4047.0 U	213.00 U	213.00 U	335.05 J	2556.0 U	213.00 U	213.00 U	213.00 U
D68975	RFETS	Solidified Organics	112	801	10260 U	540.00 U	553.50 J	540.00 U	6480.0 U	540.00 U	540.00 U	540.00 U
D68999	RFETS	Heterogeneous	116	821	7.60 U	0.40 U	0.40 U	0.40 U	14.03 J	0.74 J	0.40 U	0.40 U
D69091	RFETS	Heterogeneous	116	825	9.50 U	0.50 U	0.50 U	0.50 U	6.00 U	0.50 U	0.50 U	0.50 U
D69095	RFETS	Heterogeneous	116	833	10.26 U	0.54 U	0.54 U	0.54 U	6.48 U	0.54 U	0.54 U	0.54 U
D69113	RFETS	Heterogeneous	116	831	912.00 U	48.00 U	49.20 J	48.00 J	576.00 U	48.00 U	48.00 U	48.00 U
D69250	RFETS	Heterogeneous	116	833	4.29 J	0.10 U	0.11 J	0.10 U	2.15 J	0.10 U	0.10 U	0.10 U
D69287	RFETS	Heterogeneous	116	821	2622.0 U	138.00 U	138.00 U	138.00 U	1656.0 U	138.00 U	138.00 U	138.00 U
D69306	RFETS	Solidified Organics	112	801	4750.0 U	250.00 U	250.00 U	250.00 U	3000.0 U	250.00 U	250.00 U	250.00 U
D69312	RFETS	Solidified Inorganics	111	800	8.61 J	0.80 U	0.47 J	0.40 U	2.00 U	0.40 U	0.40 U	0.40 U
D69364	RFETS	Heterogeneous	116	833	18.66 J	0.30 U	0.30 U	0.30 U	15.17 J	0.30 U	0.30 U	0.30 U
D69400	RFETS	Heterogeneous	116	831	703.00 U	37.00 U	37.00 U	37.00 U	444.00 U	37.00 U	37.00 U	37.00 U
D69406	RFETS	Heterogeneous	116	831	950.00 U	50.00 U	50.00 U	50.00 U	600.00 U	50.00 U	50.00 U	50.00 U
D69413	RFETS	Heterogeneous	116	831	11.40 U	0.60 U	0.60 U	0.60 U	7.20 U	0.60 U	0.60 U	0.60 U
D69418	RFETS	Heterogeneous	116	831	1884.0 J	73.40 U	73.40 U	73.40 U	880.80 U	73.40 U	73.40 U	73.40 U
D69431	RFETS	Heterogeneous	116	831	693.33 U	106.67 U	53.33 U	53.33 U	266.67 U	53.33 U	53.33 U	53.33 U
D69518	RFETS	Heterogeneous	116	833	10.34 J	0.20 U	0.20 U	0.20 U	2.40 U	0.20 U	0.20 U	0.20 U
D69602	RFETS	Heterogeneous	116	821	19.00 U	1.00 U	1.00 U	1.00 U	12.00 U	1.00 U	1.00 U	1.00 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**



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Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro- 1,2,2-Trifluoro- ethane	1,1-Di- chloro- ethene	Acetone	Methylene Chloride	1,1-Di- chloro- ethane	cis-1,2- Dichloro- ethene
D69759	RFETS	Heterogeneous	116	833	5.84 J	0.30 U	0.30 U	0.46 J	3.60 U	0.30 U	0.30 U	0.30 U
D69855	RFETS	Heterogeneous	116	833	25.25 J	0.20 U	0.20 U	0.20 U	6.60 J	0.20 U	0.20 U	0.20 U
D69877	RFETS	Heterogeneous	116	825	13.44 J	0.50 U	0.50 U	0.50 U	12.09 J	0.50 U	0.50 U	0.50 U
D69883	RFETS	Heterogeneous	116	825	5.70 U	0.30 U	0.30 U	0.30 U	5.97 J	0.30 U	0.30 U	0.30 U
D69975	RFETS	Heterogeneous	116	821	13.30 U	0.70 U	0.70 U	0.70 U	8.40 U	0.70 U	0.70 U	0.70 U
D70063	RFETS	Heterogeneous	116	821	9.69 U	0.51 U	0.85 J	0.51 U	6.12 U	0.51 U	0.51 U	0.51 U
D70077	RFETS	Heterogeneous	116	831	1140.0 U	60.00 U	60.00 U	60.00 U	720.00 U	60.00 U	60.00 U	60.00 U
D70229	RFETS	Heterogeneous	116	831	5.41 J	0.20 U	0.20 U	0.20 U	2.40 U	0.20 U	0.20 U	0.20 U
D70353	RFETS	Heterogeneous	116	833	6.79 J	0.20 U	0.20 U	0.20 U	2.40 U	0.20 U	0.20 U	0.20 U
D70370	RFETS	Heterogeneous	116	821	14.73 J	0.30 U	0.30 U	0.30 U	7.78 J	3.02	0.30 U	0.30 U
D70379	RFETS	Heterogeneous	116	833	6.20 J	0.10 U	0.10 J	0.10 U	1.20 U	0.10 U	0.10 U	0.10 U
D70383	RFETS	Heterogeneous	116	833	3.80 U	0.20 U	0.20 U	0.20 U	2.40 U	0.20 U	0.20 U	0.20 U
D70446	RFETS	Uncategorized Metal	117	480	19.29 J	2.00 U	16.42	1.00 U	17.99 J	1.14 J	1.00 U	1.00 U
D70448	RFETS	Heterogeneous	116	831	2850.0 U	150.00 U	150.00 U	150.00 U	1800.0 U	150.00 U	150.00 U	150.00 U
D70455	RFETS	Heterogeneous	116	831	13.30 U	0.70 U	1.07 J	0.70 U	8.40 U	0.80 J	0.70 U	0.70 U
D70543	RFETS	Solidified Organics	112	801	15732 U	828.00 U	7954.6 J	828.00 U	9936.0 U	828.00 U	828.00 U	828.00 U
D70661	RFETS	Filter	0	331	8.58 J	1.20 U	0.60 U	0.60 U	227.94 J	0.60 U	0.60 U	0.60 U
D70669	RFETS	Uncategorized Metal	117	480	41.70 J	0.10 U	0.10 U	0.16 J	1.20 U	0.10 U	0.10 U	0.10 U
D70675	RFETS	Solidified Organics	112	801	10.25 J	0.10 U	0.10 U	0.42 J	17.69 J	0.10 U	0.17 J	0.42 J
D70682	RFETS	Heterogeneous	116	831	855.00 U	45.00 U	45.00 U	45.00 U	540.00 U	45.00 U	45.00 U	45.00 U
D70696	RFETS	Heterogeneous	116	821	57.57 J	0.60 U	0.60 U	0.60 U	7.20 U	0.60 U	0.60 U	0.60 U
D70734	RFETS	Heterogeneous	116	833	2.14 J	0.20 U	0.10 U	0.10 U	0.50 U	0.10 U	0.10 U	0.10 U
D70780	RFETS	Heterogeneous	116	832	1.30 U	0.20 U	0.10 U	0.10 U	0.50 U	0.10 U	0.10 U	0.10 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Dichloroethene	Acetone	Methylene Chloride	1,1-Dichloroethane	cis-1,2-Dichloroethene
D70856	RFETS	Heterogeneous	116	833	1.90 U	0.10 U	0.10 U	0.10 U	1.65 J	0.10 U	0.10 U	0.10 U
D70882	RFETS	Heterogeneous	116	831	266.00 U	14.00 U	14.00 U	22.74 J	168.00 U	14.00 U	14.00 U	14.00 U
D70937	RFETS	Filter	0	331	6.50 U	1.00 U	0.50 U	0.50 U	374.16 J	0.50 U	0.50 U	0.50 U
D71019	RFETS	Solidified Organics	112	801	24.70 U	1.30 U	1.30 U	2.48 J	15.60 U	1.30 U	1.30 U	1.30 U
D71020	RFETS	Solidified Organics	112	801	17318 U	911.50 U	4880.1 J	911.50 U	10938 U	911.50 U	911.50 U	911.50 U
D71022	RFETS	Solidified Organics	112	801	15600 U	2400.0 U	3597.6 J	1200.0 U	6000.0 U	1200.0 U	1200.0 U	1200.0 U
D71241	RFETS	Heterogeneous	116	833	2.33 J	0.20 U	0.10 U	0.10 U	0.50 U	0.10 U	0.10 U	0.10 U
D71351	RFETS	Uncategorized Metal	117	480	3.81 J	0.20 U	0.10 U	0.10 U	5.90 J	0.25 J	0.10 U	0.10 U
D71354	RFETS	Uncategorized Metal	117	480	2.70 J	0.20 U	0.10 U	0.10 U	0.50 U	0.10 U	0.10 U	0.10 U
D71385	RFETS	Heterogeneous	116	833	10.75 J	0.30 U	0.30 U	0.30 U	3.60 U	0.30 U	0.30 U	0.30 U
D71494	RFETS	Solidified Organics	112	801	7.11 J	0.10 U	0.10 U	0.15 J	7.80 J	0.10 U	0.10 U	0.23 J
D71504	RFETS	Solidified Organics	112	801	3.80 U	0.20 U	0.20 U	0.20 U	7.96 J	0.20 U	0.20 U	0.20 U
D71514	RFETS	Heterogeneous	116	833	3.80 U	0.20 U	0.20 U	0.20 U	2.40 U	0.20 U	0.20 U	0.20 U
D71521	RFETS	Heterogeneous	116	825	3.80 U	0.20 U	0.20 U	0.20 U	2.40 U	0.20 U	0.20 U	0.20 U
D71638	RFETS	Uncategorized Metal	117	480	13.00 U	2.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
D71804	RFETS	Heterogeneous	116	832	1.89 J	0.20 U	0.10 U	0.10 U	4.23 J	1.17	0.26 J	0.10 U
D71829	RFETS	Heterogeneous	116	852	4180.0 U	220.00 U	220.00 U	220.00 U	2640.0 U	29668	220.00 U	220.00 U
D71838	RFETS	Heterogeneous	116	831	144.40 U	7.60 U	442.97	7.60 U	91.20 U	7.60 U	7.60 U	7.60 U
D71921	RFETS	Heterogeneous	116	833	24.57 J	0.20 U	0.10 U	0.10 U	1.67 J	0.10 U	0.10 U	0.10 U
D71932	RFETS	Solidified Organics	112	801	82991 U	4367.9 U	7014.9 J	4367.9 U	52415 U	4367.9 U	4367.9 U	4367.9 U
D71933	RFETS	Solidified Organics	112	801	10.20 J	0.20 U	0.10 U	0.10 U	4.94 J	0.10 U	0.10 U	0.10 U
D71934	RFETS	Solidified Organics	112	801	13.70 J	0.20 U	0.10 U	0.10 U	9.11 J	0.10 U	0.10 U	0.10 U
D71936	RFETS	Heterogeneous	116	833	411.67 U	21.67 U	85.52 J	59.76 J	260.00 U	21.67 U	21.67 U	21.67 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
D71937	RFETS	Heterogeneous	116	833	433.33 U	66.67 U	74.43 J	33.33 U	166.67 U	33.33 U	33.33 U	33.33 U
D71938	RFETS	Heterogeneous	116	833	34.20 U	1.80 U	1.80 U	1.80 U	21.60 U	1.80 U	1.80 U	1.80 U
D71940	RFETS	Solidified Organics	112	801	19000 U	1000.0 U	3580.0 J	1000.0 U	12000 U	1000.0 U	1000.0 U	1000.0 U
D71941	RFETS	Solidified Organics	112	801	19000 U	1000.0 U	8276.0 J	1000.0 U	12000 U	1000.0 U	1000.0 U	1000.0 U
D72010	RFETS	Heterogeneous	116	832	38.55 J	0.60 U	0.30 U	0.30 U	17.91 J	0.30 U	0.30 U	0.30 U
D72079	RFETS	Uncategorized Metal	117	480	123.50 U	6.50 U	6.50 U	6.50 U	78.00 U	6.50 U	6.50 U	6.50 U
D72127	RFETS	Solidified Organics	112	801	7.60 U	0.40 U	0.40 U	0.42 J	4.80 U	0.40 U	0.40 U	0.40 U
D72128	RFETS	Solidified Organics	112	801	6359.9 J	130.00 U	130.00 U	130.00 U	4542.0 J	2721.4	130.00 U	130.00 U
D72131	RFETS	Heterogeneous	116	833	3.47 U	0.53 U	0.27 U	0.27 U	2.44 J	0.27 U	0.27 U	0.27 U
D72132	RFETS	Solidified Organics	112	801	1612.4 J	96.00 U	48.00 U	48.00 U	283.06 J	8080.9	48.00 U	48.00 U
D72133	RFETS	Solidified Organics	112	801	4.48 J	0.20 U	0.20 J	0.20 U	3.54 J	0.20 U	0.20 U	0.20 U
D72136	RFETS	Solidified Organics	112	801	399.00 U	21.00 U	21.00 U	21.00 U	252.00 U	665.70	21.00 U	21.00 U
D72139	RFETS	Solidified Organics	112	801	36.10 U	1.90 U	1.90 U	1.90 U	24.65 J	22.74	1.90 U	1.90 U
D72178	RFETS	Heterogeneous	116	821	5.70 U	0.30 U	0.30 U	0.30 U	3.60 U	0.30 U	0.30 U	0.30 U
D72186	RFETS	Heterogeneous	116	821	16.26 J	0.20 U	0.20 U	0.20 U	2.40 U	0.21 J	0.20 U	0.20 U
D72195	RFETS	Heterogeneous	116	833	15.12 J	0.10 U	0.30 J	0.10 U	6.84 J	0.25 J	0.10 U	0.11 J
D72255	RFETS	Heterogeneous	116	833	25.68 J	0.30 U	0.30 U	0.30 U	9.46 J	0.30 U	0.30 U	0.30 U
D72267	RFETS	Solidified Inorganics	111	800	1.30 U	0.20 U	0.15 J	0.10 U	0.50 U	0.10 U	0.11 J	0.10 U
D72293	RFETS	Heterogeneous	116	833	6.63 J	0.10 U	0.14 J	0.10 U	16.50 J	0.77 J	0.17 J	0.10 U
D72333	RFETS	Heterogeneous	116	831	5.70 U	0.30 U	0.30 U	0.30 U	3.60 U	0.30 U	0.30 U	0.30 U
D72339	RFETS	Heterogeneous	116	821	9.50 U	0.50 U	0.50 U	0.50 U	6.00 U	0.50 U	0.50 U	0.50 U
D72347	RFETS	Heterogeneous	116	833	8.58 J	0.10 U	0.10 U	0.10 U	3.45 J	0.89 J	0.10 U	0.10 U
D72375	RFETS	Heterogeneous	116	831	1520.0 U	80.00 U	80.00 U	80.00 U	960.00 U	80.00 U	80.00 U	80.00 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**



rum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
D72434	RFETS	Heterogeneous	116	831	3990.0 U	210.00 U	210.00 U	210.00 U	2520.0 U	210.00 U	210.00 U	210.00 U
D72436	RFETS	Uncategorized Metal	117	480	66.00 J	0.60 U	0.30 U	0.30 U	2.60 J	0.30 U	0.30 U	0.30 U
D72542	RFETS	Heterogeneous	116	832	130.00 U	20.00 U	10.00 U	10.00 U	50.00 U	10.00 U	10.00 U	10.00 U
D72545	RFETS	Solidified Inorganics	111	800	2.46 J	0.20 U	0.10 U	0.10 U	0.52 J	0.10 U	0.10 U	0.10 U
D72546	RFETS	Heterogeneous	116	832	195.00 U	30.00 U	15.00 U	15.00 U	75.00 U	15.00 U	15.00 U	15.00 U
D72566	RFETS	Solidified Organics	112	801	15.20 U	0.80 U	0.80 U	0.80 U	21.82 J	0.80 U	0.80 U	0.80 U
D72598	RFETS	Heterogeneous	116	821	11.40 U	0.60 U	4.11 J	0.60 U	7.20 U	0.60 U	0.60 U	0.60 U
D72618	RFETS	Heterogeneous	116	833	2.83 J	0.10 U	0.10 U	0.10 U	1.20 U	0.10 U	0.10 U	0.10 U
D72619	RFETS	Solidified Organics	112	801	1.90 U	0.10 U	0.10 U	0.10 U	314.00 J	0.10 U	0.10 U	0.10 U
D72623	RFETS	Solidified Organics	112	801	6.50 U	1.00 U	0.50 U	0.50 U	6.19 J	0.50 U	0.50 U	0.50 U
D72631	RFETS	Solidified Organics	112	801	1.90 U	0.10 U	0.10 U	0.34 J	6.46 J	0.10 U	0.10 U	0.10 U
D72632	RFETS	Solidified Organics	112	801	2.64 J	0.10 U	0.10 U	0.29 J	8.42 J	0.10 U	0.10 U	0.10 U
D72673	RFETS	Heterogeneous	116	833	17.92 J	0.20 U	1.29 J	0.42 J	18.02 J	0.20 U	0.20 U	0.26 J
D72819	RFETS	Heterogeneous	116	833	29.08 J	0.40 U	0.40 U	0.40 U	7.14 J	0.40 U	0.40 U	0.40 U
D72822	RFETS	Heterogeneous	116	831	3.47 U	0.53 U	0.81 J	0.27 U	1.34 U	0.27 U	0.27 U	0.27 U
D72831	RFETS	Uncategorized Metal	117	480	52.00 U	8.00 U	4.00 U	4.00 U	20.00 U	4.00 U	4.00 U	4.00 U
D72887	RFETS	Heterogeneous	116	833	1.90 U	0.10 U	0.10 U	0.10 U	1.20 U	0.10 U	0.10 U	0.10 U
D72923	RFETS	Heterogeneous	116	833	54.23 J	0.40 U	0.40 U	0.40 U	17.22 J	0.40 U	0.40 U	0.40 U
D72932	RFETS	Heterogeneous	116	825	8.68 J	0.30 U	0.30 U	0.30 U	3.60 U	0.30 U	0.30 U	0.30 U
D73054	RFETS	Heterogeneous	0	336	1473.3 U	226.67 U	113.33 U	113.33 U	566.67 U	508.19 U	113.33 U	113.33 U
D73074	RFETS	Heterogeneous	116	833	75.28 J	0.20 U	0.20 U	0.20 J	9.61 J	1.00 J	0.20 U	0.20 U
D73117	RFETS	Uncategorized Metal	117	480	5.20 U	0.80 U	0.40 U	0.40 U	2.00 U	0.40 U	0.40 U	0.40 U
D73123	RFETS	Heterogeneous	116	831	2394.0 U	126.00 U	26.00 U	880.24 J	1512.0 U	126.00 U	126.00 U	126.00 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

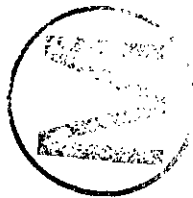
Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
D73134	RFETS	Heterogeneous	116	831	936.00 U	144.00 U	72.00 U	72.00 U	360.00 U	72.00 U	72.00 U	72.00 U
D73136	RFETS	Solidified Inorganics	111	807	2.19 J	0.20 U	0.10 U	0.10 U	0.50 U	0.10 U	0.10 U	0.10 U
D73274	RFETS	Heterogeneous	116	831	950.00 U	50.00 U	50.00 U	50.00 U	600.00 U	50.00 U	50.00 U	50.00 U
D73285	RFETS	Solidified Organics	112	801	7.06 J	0.10 U	0.10 J	0.14 J	5.84 J	0.10 U	0.10 U	0.10 U
D73293	RFETS	Solidified Organics	112	801	3.27 J	0.10 U	0.22 J	0.33 J	1.20 U	0.10 U	0.10 U	0.10 U
D73295	RFETS	Solidified Organics	112	801	6.58 J	0.10 U	0.10 U	0.21 J	3.42 J	0.10 U	0.10 U	0.10 U
D73296	RFETS	Solidified Organics	112	801	1.90 U	0.10 U	0.96 J	0.14 J	1.20 U	0.25 J	0.12 J	0.10 U
D73301	RFETS	Solidified Organics	112	801	10.40 J	0.20 U	0.20 U	1.24 J	8.20 J	0.20 U	0.20 U	0.20 U
D73605	RFETS	Lead/Cadmium Metal Waste	123	339	1.30 U	0.20 U	0.15 J	0.10 U	5.07 J	0.15 J	0.10 U	0.10 U
D73632	RFETS	Heterogeneous	116	825	13.30 U	0.70 U	0.70 U	0.70 U	8.40 U	0.70 U	0.70 U	0.70 U
D73667	RFETS	Solidified Organics	112	801	2.64 J	0.10 U	0.10 U	0.10 U	5.79 J	0.10 U	0.10 U	0.10 U
D73672	RFETS	Solidified Organics	112	801	4.94 J	0.10 U	0.10 U	0.22 J	1.20 U	0.10 U	0.10 U	0.10 U
D73745	RFETS	Heterogeneous	116	832	1.89 J	0.20 U	0.10 J	0.10 U	11.29 J	0.10 U	0.10 U	0.10 U
D73828	RFETS	Heterogeneous	116	833	1.90 U	0.10 U	0.10 U	0.10 U	1.20 U	0.10 U	0.10 U	0.10 U
D73848	RFETS	Heterogeneous	116	821	2.80 J	0.13 U	0.13 U	0.13 U	1.60 U	0.13 U	0.13 U	0.13 U
D73987	RFETS	Lead/Cadmium Metal Waste	123	339	3.90 U	0.60 U	20.72	0.30 U	4.47 J	0.30 U	0.30 U	0.30 U
D74007	RFETS	Uncategorized Metal	117	480	11.47 J	0.60 U	0.30 U	0.30 U	6.01 J	0.30 U	0.30 U	0.30 U
D74110	RFETS	Heterogeneous	116	833	1.90 U	0.10 U	0.14 J	0.10 U	1.20 U	0.10 U	0.10 U	0.10 U
D74147	RFETS	Solidified Organics	112	801	15.20 U	0.80 U	6.00 J	1.82 J	9.60 U	3.15 J	2.12 J	0.80 U
D74156	RFETS	Solidified Organics	112	801	11.40 U	0.60 U	4.17 J	1.92 J	7.20 U	3.65 J	2.15 J	0.60 U
D74374	RFETS	Heterogeneous	116	833	4.98 J	0.20 U	0.16 J	0.10 U	0.94 J	0.10 U	0.10 U	0.10 U
D74683	RFETS	Heterogeneous	116	821	28.50 U	1.50 U	1.50 U	0.15 U	18.00 U	1.50 U	1.50 U	1.50 U
D74904	RFETS	Heterogeneous	116	832	2.60 J	0.20 U	0.10 U	0.10 U	0.83 J	0.10 U	0.10 U	0.10 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
 (all data in ppmv)

rum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
D74913	RFETS	Heterogeneous	116	832	5.70 U	0.30 U	0.30 U	0.30 U	43.43 J	0.33 J	0.30 U	0.30 U
D75039	RFETS	Heterogeneous	116	832	158.92 J	0.30 U	0.30 U	0.30 U	35.16 J	0.30 U	0.30 U	0.39 J
D75265	RFETS	Heterogeneous	116	833	63.88 J	1.20 U	0.12 U	0.12 U	19.11 J	1.20 U	1.20 U	1.20 U
D75267	RFETS	Heterogeneous	116	832	3.80 U	0.20 U	0.20 U	0.20 U	2.92 J	0.20 U	0.20 U	0.20 U
D75278	RFETS	Heterogeneous	116	832	17.98 J	0.30 U	0.30 U	0.30 U	10.17 J	1.50 J	0.30 U	0.30 U
D75399	RFETS	Heterogeneous	116	833	7.60 U	0.40 U	0.40 U	0.40 U	4.80 U	0.40 U	0.40 U	0.40 U
D75564	RFETS	Heterogeneous	116	825	4.47 J	0.13 U	0.13 U	0.13 U	1.60 U	0.13 U	0.13 U	0.13 U
D75868	RFETS	Heterogeneous	116	825	11.40 U	0.60 U	0.60 U	0.60 U	7.20 U	0.60 U	0.60 U	0.60 U
D75888	RFETS	Heterogeneous	116	833	7.77 J	0.10 U	0.12 J	0.10 U	4.92 J	0.10 U	0.10 U	0.10 U
D75926	RFETS	Heterogeneous	116	832	7.60 U	0.40 U	0.40 U	0.40 U	4.80 U	0.40 U	0.40 U	0.40 U
D75930	RFETS	Heterogeneous	116	832	1300.0 U	200.00 U	100.00 U	100.00 U	500.00 J	100.00 U	100.00 U	100.00 U
D75947	RFETS	Heterogeneous	116	832	5.27 J	0.10 U	0.10 U	0.10 U	2.82 J	0.10 U	0.10 U	0.10 U
D75976	RFETS	Heterogeneous	116	833	5.57 J	0.27 U	0.13 U	0.13 U	0.67 U	0.13 U	0.13 U	0.13 U
D76044	RFETS	Heterogeneous	116	831	18.17 J	0.27 U	0.27 U	0.27 U	4.29 J	0.27 U	0.27 U	0.27 U
D76050	RFETS	Heterogeneous	116	832	1.90 U	0.10 U	0.10 U	0.10 J	1.20 U	0.10 U	0.10 U	0.10 U
D76054	RFETS	Heterogeneous	116	831	5.70 U	0.30 U	0.30 U	0.30 U	3.60 U	0.30 U	0.30 U	0.30 U
D76098	RFETS	Heterogeneous	116	832	2.60 U	0.40 U	0.20 U	0.20 U	4.22 J	0.20 U	0.20 U	0.20 U
D76135	RFETS	Solidified Organics	112	801	346.67 U	53.33 U	26.67 U	26.67 U	133.34 U	26.67 U	26.67 U	26.67 U
D76136	RFETS	Solidified Inorganics	111	803	5.20 U	0.80 U	1.30 J	1.42 J	2.00 U	5.00	0.40 U	0.40 U
D76138	RFETS	Solidified Inorganics	111	800	1.30 U	0.20 U	0.10 U	0.10 U	0.50 U	0.10 U	0.10 U	0.10 U
D76142	RFETS	Solidified Inorganics	111	800	3.12 U	0.48 U	0.66 J	0.24 U	5.55 J	0.24 U	0.24 U	0.24 U
D76143	RFETS	Solidified Inorganics	111	803	3.90 U	0.60 U	0.90 J	0.96 J	1.50 U	3.26	0.30 U	0.30 U
D76144	RFETS	Solidified Inorganics	111	800	8.67 U	1.33 U	0.67 U	0.98 J	3.34 U	1.50 J	0.67 U	0.67 U





**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
D76146	RFETS	Solidified Inorganics	0	292	1.30 U	0.20 U	0.10 U	0.10 U	0.50 U	0.10 U	0.10 U	0.10 U
D76147	RFETS	Solidified Inorganics	111	803	1.90 U	0.10 U	1.66	0.25 J	4.53 J	0.10 U	0.20 J	0.10 U
D76182	RFETS	Solidified Inorganics	111	800	13.30 U	0.70 U	4.07 J	0.70 U	8.40 U	0.70 U	0.70 U	0.70 U
D76183	RFETS	Solidified Inorganics	111	800	1.73 U	0.27 U	0.47 J	0.18 J	0.92 J	0.37 J	0.13 U	0.13 U
D76185	RFETS	Solidified Inorganics	111	800	1.30 U	0.20 U	0.12 J	0.10 U	0.50 J	0.10 U	0.10 U	0.10 U
D76187	RFETS	Solidified Inorganics	111	803	6.50 U	1.00 U	1.56 J	1.44 J	2.50 U	6.37	0.50 U	0.50 U
D76189	RFETS	Solidified Inorganics	111	803	26.00 U	4.00 U	2.00 U	4.64 J	10.00 U	12.57 J	2.00 U	2.00 U
D76192	RFETS	Solidified Inorganics	111	803	1.30 U	0.20 U	0.32 J	0.10 U	0.50 U	0.10 U	0.10 U	0.10 U
D76194	RFETS	Solidified Inorganics	111	800	1.30 U	0.20 U	0.10 U	0.10 U	0.50 U	0.10 U	0.10 U	0.10 U
D76195	RFETS	Solidified Organics	112	801	9120.0 U	480.00 U	480.00 U	480.00 U	5760.0 U	480.00 U	480.00 U	480.00 U
D76196	RFETS	Solidified Organics	112	801	3732.5 J	333.33 U	2042.3	166.67 U	833.34 U	166.67 U	166.67 U	166.67 U
D76199	RFETS	Solidified Inorganics	111	800	1.30 U	0.20 U	0.19 J	0.10 U	0.50 U	0.10 U	0.10 U	0.10 U
D76200	RFETS	Solidified Organics	112	801	8233.3 U	1266.6 U	2371.8 J	633.33 U	3166.6 U	633.33 U	633.33 U	633.33 U
D76203	RFETS	Solidified Organics	112	801	2903.3 U	446.67 U	283.41 J	223.33 U	1116.6 U	223.33 U	223.33 U	223.33 U
D76205	RFETS	Solidified Inorganics	111	800	1.30 U	0.20 U	0.10 U	0.10 U	0.50 U	0.10 U	0.10 U	0.10 U
D76206	RFETS	Solidified Inorganics	111	803	5.20 U	0.80 U	0.51 J	0.74 J	2.00 U	4.19	0.40 U	0.40 U
D76217	RFETS	Heterogeneous	116	833	20.84 J	2.00 U	60.66	1.00 U	7.67 J	1.00 U	1.00 U	1.00 U
D76282	RFETS	Solidified Inorganics	111	800	147.33 U	22.67 U	39.18 J	11.33 U	56.67 U	11.33 U	11.33 U	11.33 U
D76283	RFETS	Solidified Organics	112	801	1170.0 U	180.00 U	90.00 J	90.00 U	450.00 U	90.00 U	90.00 U	90.00 U
D76287	RFETS	Solidified Inorganics	111	800	69.33 U	10.67 U	14.69 J	5.33 U	26.67 U	5.33 U	5.33 U	5.33 U
D76293	RFETS	Heterogeneous	116	833	7.60 U	0.40 U	0.40 U	0.40 U	4.80 U	0.40 U	0.40 U	0.40 U
D76302	RFETS	Solidified Inorganics	111	800	39.00 U	6.00 U	3.00 U	3.00 U	15.00 U	3.00 U	3.00 U	3.00 U
D76303	RFETS	Solidified Inorganics	111	803	3.47 U	0.53 U	1.03 J	1.64 J	5.51 J	1.98 J	0.27 U	0.27 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

rum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1-Di-chloro-ethene	Acetone	Methylene Chloride	1,1-Di-chloro-ethane	cis-1,2-Dichloro-ethene
D76305	RFETS	Solidified Inorganics	111	800	156.00 U	24.00 U	22.21 J	12.00 U	60.00 U	12.00 U	12.00 U	12.00 U
D76306	RFETS	Heterogeneous	116	833	18.88 J	0.80 U	1.15 J	0.80 U	9.60 U	0.80 U	0.80 U	0.80 U
D76362	RFETS	Heterogeneous	116	833	97.62 J	13.33 U	13.46 J	6.67 U	33.34 U	6.67 U	6.67 U	6.67 U
D76406	RFETS	Heterogeneous	116	831	1.90 U	0.10 U	0.16 J	0.10 U	1.20 U	0.10 U	0.10 U	0.10 U
D76437	RFETS	Heterogeneous	116	833	3.80 U	0.20 U	0.20 U	0.20 U	2.40 U	0.20 J	0.20 U	0.20 U
D76443	RFETS	Heterogeneous	116	825	16.85 J	0.30 U	0.30 U	0.30 U	3.60 U	0.30 U	0.30 U	0.30 U
D76452	RFETS	Heterogeneous	116	825	14.20 J	0.20 U	0.20 U	0.20 U	2.00 U	0.20 U	0.20 U	0.20 U
D76454	RFETS	Heterogeneous	116	825	1.90 U	0.10 U	0.10 U	0.10 U	1.20 U	0.10 U	0.10 U	0.10 U
D76456	RFETS	Heterogeneous	116	825	11.80 J	0.10 U	0.10 U	0.10 U	1.20 U	0.10 U	0.10 U	0.10 U
D76461	RFETS	Heterogeneous	116	825	5.70 U	0.30 U	0.30 U	0.30 U	3.60 U	0.30 U	0.30 U	0.30 U
D76463	RFETS	Heterogeneous	116	825	5.70 U	0.30 U	0.30 U	0.30 U	3.60 U	0.30 U	0.30 U	0.30 U
D76470	RFETS	Solidified Inorganics	111	803	1.30 U	0.20 U	0.42 J	0.10 U	0.50 U	0.10 U	0.10 U	0.10 U
D76587	RFETS	Heterogeneous	116	825	1.90 U	0.10 U	0.14 J	0.12 J	1.20 U	0.17 J	0.10 U	0.10 U
D76596	RFETS	Heterogeneous	116	825	25.44 J	0.10 U	0.11 J	0.18 J	2.27 J	0.25 J	0.10 U	0.10 U
D76627	RFETS	Heterogeneous	116	825	1.90 U	0.10 U	0.10 J	0.10 U	1.20 U	0.10 U	0.10 U	0.10 U
D76630	RFETS	Heterogeneous	116	825	14.78 J	0.10 U	0.10 U	0.11 J	3.66 J	0.17 J	0.10 U	0.10 U
D76635	RFETS	Heterogeneous	116	825	3.80 U	0.20 U	0.20 U	0.20 U	2.40 U	0.21 J	0.20 U	0.20 U
D76652	RFETS	Heterogeneous	116	833	6.87 J	0.20 U	0.10 U	0.10 U	0.57 J	0.10 U	0.10 U	0.10 U
D76677	RFETS	Solidified Inorganics	111	800	45.60 U	2.40 U	2.53 J	7.61 J	28.80 U	6.65 J	2.40 U	2.40 U
D76710	RFETS	Heterogeneous	116	833	38.00 U	2.00 U	2.51 J	2.00 U	24.00 U	2.00 U	2.00 U	2.00 U
D76712	RFETS	Heterogeneous	116	833	11.83 J	0.30 U	0.30 U	0.30 U	106.59 J	1.80 J	0.30 U	0.30 U
D76715	RFETS	Heterogeneous	116	832	4.34 J	0.20 U	0.20 U	0.20 U	2.40 U	0.20 U	0.20 U	0.20 U
D76811	RFETS	erogeneous	116	832	3.80 U	0.20 U	0.20 U	0.20 U	3.95 J	0.20 U	0.20 U	0.20 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

Item #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methanol	Ethyl Ether	1,1,2-Trichloro- 1,2,2-Trifluoro ethane	1,1-Di- chloro- ethene	Acetone	Methylene Chloride	1,1-Di- chloro- ethane	cis-1,2- Dichloro- ethene
D76908	RFETS	Heterogeneous	116	833	53.56 J	0.10 U	6.99	0.10 U	1.20 U	0.10 U	0.10 U	0.10 U
D76911	RFETS	Heterogeneous	116	832	2.60 U	0.40 U	0.20 U	0.20 U	1.00 U	0.20 U	0.20 U	0.20 U
D77088	RFETS	Heterogeneous	116	833	11.76 J	0.40 U	0.20 U	0.20 U	1.00 J	0.20 U	0.20 U	0.20 U
D77227	RFETS	Heterogeneous	116	833	5.20 U	0.80 U	0.40 U	0.40 U	2.00 U	0.40 U	0.40 U	0.40 U
D77285	RFETS	Heterogeneous	116	833	3.80 U	0.20 U	0.20 U	0.20 U	4.60 J	0.20 U	0.20 U	0.20 U
D77621	RFETS	Heterogeneous	0	336	3.47 U	0.53 U	6.22	0.27 U	1.34 U	0.27 U	0.27 U	0.27 U
D80765	RFETS	Heterogeneous	116	833	3.80 U	0.20 U	0.30 J	0.20 U	2.40 U	0.20 U	0.20 U	0.20 U
D80772	RFETS	Heterogeneous	116	833	19.00 U	1.00 U	1.00 U	1.00 U	12.00 U	1.00 U	1.00 U	1.00 U
D80774	RFETS	Heterogeneous	116	833	58.90 U	3.10 U	4.13 J	3.10 U	37.20 U	3.10 U	3.10 U	3.10 U
D80776	RFETS	Heterogeneous	116	832	24.39 J	0.10 U	0.10 U	0.13 J	39.82 J	1.68	0.51 J	0.10 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

run #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	I-Butanol	Trichloro-ethene
00365	RFETS	Uncategorized Metal	217	480	17.00 U	12.00 U	1600.0 J	17.00 U	11.00 U	13.00	11.00 U	17.00 U	28.00 J
00371	INEL	Graphite	215	300	17.00 U	0.03 U	9.20	0.03 U	0.10 J	0.03 U	0.03 U	17.00 U	0.26 J
00373	INEL	Graphite	215	300	17.00 U	0.01 U	0.66 J	0.02 U	0.03 J	0.01 U	0.02 U	17.00 U	0.02 U
00384	RFETS	Uncategorized Metal	217	320	5.00 U	0.01 J	0.09 U	0.01 U	0.10	0.14	0.01 U	5.00 U	0.01 U
00393	INEL	Uncategorized Metal	217	480	17.00 U	0.03 U	0.14 J	0.04 U	0.05 J	0.18 J	0.03 J	17.00 U	0.03 U
00401	RFETS	Inorganic Non-metal	222	371	5.00 U	1.80	0.15 J	0.02 U	0.07 JB	0.06	0.03 J	5.00 U	0.01 J
00403	INEL	Inorganic Non-metal	218	440	17.00 U	8.20 E	0.27 J	0.04 U	1.80	0.21 J	0.05 J	17.00 U	0.03 J
00405	RFETS	Uncategorized Metal	217	480	7.30 J	0.88 U	53.00 J	1.20 U	0.85 U	1.00	0.80 U	5.00 U	1.50 J
00436	INEL	Solidified Organics	212	3	17.00 U	44.00 U	1500.0	42.00 U	8200.0	46.00 U	42.00 U	17.00 U	42.00 U
00442	INEL	Solidified Inorganics	213	4	51.00 U	0.06 U	0.32 J	0.55 J	0.36 J	0.18 J	0.05 U	51.00 U	0.05 U
00446	RFETS	Solidified Inorganics	211	1	5.00 U	0.01 U	0.49 J	0.01 U	0.10 JB	0.11	0.01 U	5.00 U	0.02 J
00478	RFETS	Solidified Inorganics	211	1	5.00 U	0.01 U	0.20 J	0.01 U	0.18	0.05	0.01 U	5.00 U	0.05 J
00501	INEL	Graphite	215	300	17.00 U	0.01 U	0.12 J	0.02 U	0.02 J	0.01 U	0.02 U	17.00 U	0.02 U
00558	INEL	Heterogeneous	221	464	17.00 U	0.15 J	0.17 J	0.36 J	0.27 J	0.18 J	0.08 U	17.00 U	0.08 U
00567	RFETS	Inorganic Non-metal	222	371	5.00 U	3.50 J	320.00 U	2.30 U	2.50 J	1.80	1.50 U	5.00 U	1.50 U
00568	RFETS	Solidified Organics	226	432	17.00 U	0.98 U	0.87 U	2.90 J	0.95 U	1.10	0.88 U	17.00 U	0.89 U
00593	INEL	Solidified Inorganics	211	7	17.00 U	0.02 U	0.33 J	0.02 U	0.13 J	0.06 J	0.02 U	17.00 U	0.02 U
00613	INEL	Graphite	215	300	17.00 U	0.03 U	0.08 J	0.04 U	0.06 J	0.03 U	0.03 U	17.00 U	0.03 U
00630	INEL	Solidified Inorganics	213	4	51.00 U	0.07 U	0.46 J	12.00	0.34 J	0.46 J	0.07 U	51.00 U	0.07 U
00648	RFETS	Solidified Inorganics	213	4	70.00 U	0.03 U	0.09 U	5.40 D	0.25 JD	0.25	0.03 U	70.00 U	0.03 U
00675	RFETS	Inorganic Non-metal	218	440	12.00 J	0.39 J	0.23 U	0.64 J	0.90 J	0.50	0.13 U	5.00 U	0.13 U
00823	RFETS	Solidified Inorganics	213	4	120.00 U	0.02 U	0.28 J	1.50	0.85	0.20	0.02 U	120.00 U	0.03 J
00828	INEL	Graphite	215	300	17.00 U	0.01 U	0.08 J	0.09 J	0.05 J	0.01 U	0.02 U	17.00 U	0.02 U
01016	INEL	Graphite	215	300	17.00 U	0.01 U	0.09 J	0.19 J	0.03 J	0.01 U	0.02 U	17.00 U	0.02 U
01024	INEL	Graphite	215	300	17.00 U	0.01 U	0.07 J	0.09 J	0.04 J	0.01 U	0.02 U	17.00 U	0.02 U



**Table 4-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
001084	INEL	Solidified Inorganics	213	4	17.00 U	0.04 J	0.25 J	0.66 J	0.34 J	0.02 U	0.02 U	17.00 U	0.02 U
001139	INEL	Solidified Inorganics	211	7	17.00 U	0.17 U	34.00	0.16 U	0.23 J	0.17 U	0.16 U	17.00 U	0.16 U
001157	INEL	Combustible	223	339	17.00 U	0.47 J	0.12 J	0.04 U	0.35 J	0.09 U	0.23 J	17.00 U	0.03 U
001161	INEL	Graphite	215	300	17.00 U	0.02 U	0.06 J	0.03 U	0.04 J	0.02 U	0.02 U	17.00 U	0.03 U
001258	RFETS	Solidified Inorganics	211	1	5.00 U	0.01 U	0.15 J	0.01 U	0.14	0.29	0.01 U	5.00 U	0.02 J
001370	INEL	Combustible	223	339	17.00 U	2.70	0.78 J	0.12 U	28.00	0.13 J	0.24 J	17.00 U	0.22 J
001377	INEL	Combustible	223	339	17.00 U	0.36	0.18 J	0.04 U	0.20 J	0.21 J	0.64	17.00 U	0.03 J
001410	INEL	Solidified Inorganics	214	292	17.00 U	0.12 U	0.22 J	0.61 J	0.12 U	0.14 U	0.11 U	17.00 U	0.11 U
001437	RFETS	Solidified Inorganics	211	7	5.00 U	0.02 J	1.40 J	0.01 U	0.08 J	0.16	0.01 U	5.00 U	0.07 J
001475	RFETS	Solidified Inorganics	211	1	5.00 U	0.20 U	0.04 U	0.28 U	0.42 JB	3.40	0.18 U	5.00 U	0.18 U
001493	RFETS	Solidified Inorganics	211	1	5.00 U	0.02 J	0.15 J	0.06 J	0.18	0.18	0.01 U	5.00 U	0.06 J
001619	INEL	Graphite	215	300	17.00 U	0.03 U	0.08 J	0.04 U	0.07 J	0.03 U	0.03 U	17.00 U	0.03 U
001625	INEL	Graphite	215	300	17.00 U	0.02 U	0.13 J	0.02 U	0.05 J	0.02 U	0.02 U	17.00 U	0.02 U
001633	INEL	Solidified Organics	226	432	17.00 U	0.70 U	36.00 B	2.60 J	0.68 U	0.80 U	0.63 U	17.00 U	150.00
001655	INEL	Combustible	223	339	17.00 U	21.00 J	12.00 J	2.60 U	290.00	2.10 U	1.70 U	17.00 U	16.00 J
001662	INEL	Graphite	215	300	17.00 U	0.02 U	0.08 J	0.02 U	0.07 J	0.02 U	0.02 U	17.00 U	0.02 U
001663	RFETS	Solidified Organics	226	432	17.00 U	5.50	0.38 U	0.59 U	0.57 J	4.40	0.38 U	17.00 U	0.38 U
001667	INEL	Graphite	215	300	17.00 U	0.02 U	0.17 J	0.05 J	0.05 J	0.02 U	0.02 U	17.00 U	0.02 U
001670	RFETS	Salt Waste	224	411	5.00 U	0.09 J	1.10 B	0.14 J	0.16 JB	0.10	0.03 U	5.00 U	1.80 B
001677	INEL	Heterogeneous	221	302	17.00 U	2.00	45.00	0.45 U	0.50 U	1.00	0.46 U	17.00 U	130.00
001678	RFETS	Combustible	223	339	5.00 U	23.00	0.39 J	0.14 U	64.00 E	0.99	0.45 J	5.00 U	0.14 J
001689	INEL	Heterogeneous	221	302	17.00 U	0.04 J	0.20 J	0.13 J	0.22 J	0.09 J	0.03 U	17.00 U	0.03 U
001692	RFETS	Solidified Organics	226	432	17.00 U	0.25 U	0.22 U	0.40 J	0.24 U	1.30	0.23 U	17.00 U	0.23 U
001695	INEL	Combustible	223	339	17.00 U	13.00 J	4.80 BJ	2.30 U	290.00	1.80 U	1.40 U	17.00 U	1.50 J
001697	INEL	Graphite	215	300	17.00 U	0.02 U	0.09 J	0.02 U	0.04 J	0.02 U	0.02 U	17.00 U	0.02 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
001751	RFETS	Uncategorized Metal	217	320	5.00 U	0.01 U	0.12 J	0.01 U	0.08 J	0.02	0.01 U	5.00 U	0.02 J
001752	INEL	Graphite	215	300	17.00 U	0.02 U	0.10 J	0.02 U	0.04 J	0.02 U	0.02 U	17.00 U	0.02 U
001754	INEL	Uncategorized Metal	217	320	1.30 U	0.04 U	0.43 J	0.28 J	0.11 J	0.04 U	0.06 U	1.30 U	0.06 U
001757	INEL	Inorganic Non-metal	222	371	17.00 U	2.40	0.62	0.04 U	0.96	0.03 U	0.03 U	17.00 U	0.03 J
001773	INEL	Graphite	215	300	17.00 U	0.02 U	0.10 J	0.02 U	0.04 J	0.02 U	0.02 U	17.00 U	0.02 U
001779	INEL	Graphite	215	300	17.00 U	0.02 U	0.06 J	0.02 U	0.03 J	0.02 U	0.02 U	17.00 U	0.02 U
001784	INEL	Combustible	223	339	17.00 U	0.73 J	0.17 J	0.04 U	0.13 J	0.26 J	0.12 J	17.00 U	0.03 U
001813	INEL	Solidified Inorganics	213	4	17.00 U	6.00 U	6.00 U	1700.0	6.10 U	6.20 U	5.70 U	17.00 U	5.70 U
001873	INEL	Solidified Inorganics	214	292	17.00 U	0.04 U	0.11 J	0.07 J	0.17 J	0.04 U	0.03 U	17.00 U	0.03 U
001899	RFETS	Solidified Inorganics	211	3	5.00 U	130.00 U	15000 U	180.00 U	23000	150.00	120.00 U	5.00 U	120.00 U
001900	INEL	Solidified Inorganics	214	292	17.00 U	0.04 U	0.15 J	0.19 J	0.20 J	0.12 J	0.03 U	17.00 U	0.03 U
001919	RFETS	Uncategorized Metal	217	320	5.00 U	0.02 J	0.53 J	0.01 U	0.09 J	0.01	0.01 U	5.00 U	0.01 J
001937	RFETS	Solidified Organics	212	3	5.00 U	16.00 U	180.00 U	22.00 U	2100.0	18.00	14.00 U	5.00 U	14.00 U
002013	RFETS	Solidified Organics	212	3	5.00 U	11.00 U	120.00 U	16.00 U	1600.0	13.00	10.00 U	5.00 U	10.00 U
002046	INEL	Solidified Organics	212	3	17.00 U	37.00 U	530.00	35.00 U	5600.0	39.00 U	35.00 U	17.00 U	35.00 U
002065	INEL	Solidified Inorganics	214	292	5.00 J	0.10 J	0.16 U	0.26 U	0.16 U	0.12 U	0.09 U	5.00 U	0.09 U
002084	INEL	Solidified Inorganics	213	4	34.00 U	0.04 U	0.19 J	0.04 U	0.18 J	0.10 J	0.04 U	34.00 U	0.04 U
002220	RFETS	Uncategorized Metal	217	481	5.00 U	0.03 U	4.00 JB	0.04 U	0.03 U	0.03	0.03 U	5.00 U	0.17 JB
002222	INEL	Graphite	215	300	17.00 U	0.02 U	0.12 J	0.02 U	0.12 J	0.02 U	0.02 U	17.00 U	0.02 U
002338	RFETS	Inorganic Non-metal	222	371	17.00 U	0.78 U	32.00	1.10 U	0.76 U	0.90	0.71 U	17.00 U	140.00
002354	INEL	Combustible	223	339	17.00 U	2.80	8.20	0.07 U	15.00	0.87 J	0.42 J	17.00 U	0.09 J
002363	INEL	Inorganic Non-metal	222	371	17.00 U	0.20 J	0.25 J	0.04 U	0.14 J	0.40	0.06 J	17.00 U	0.04 J
002365	INEL	Uncategorized Metal	217	480	17.00 U	0.07 U	13.00	0.10 U	0.09 J	0.43 J	0.13 J	17.00 U	0.06 U
002542	INEL	Solidified Organics	212	3	17.00 U	11.00	11.00	7.60 U	2100.0	8.40 U	7.70 U	17.00 U	7.70 U
002678	RFETS	Solidified Organics	226	432	17.00 U	0.89 U	130.00	1.30 U	0.87 U	1.00	0.81 U	17.00 U	170.00

Table 4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
002791	INEL	Inorganic Non-metal	222	371	17.00 U	10.00	0.72	0.07 U	0.35 J	0.05 U	0.08 J	17.00 U	0.06 J
002797	RFETS	Solidified Organics	226	432	17.00 U	2.60 J	0.40 U	1.20 J	0.43 U	2.40	0.40 U	17.00 U	0.41 U
002814	RFETS	Solidified Inorganics	211	7	5.00 U	0.20 U	40.00 J	0.29 U	0.58 J	0.24	0.19 U	5.00 U	1.60 J
003017	INEL	Solidified Inorganics	211	1	5.00 U	0.05 U	5.80 U	0.07 U	0.13 J	0.15 J	0.05 U	5.00 U	0.05 U
003088	INEL	Inorganic Non-metal	222	371	17.00 U	0.31 J	0.27 J	0.04 U	0.28 J	0.13 J	0.05 J	17.00 U	0.03 J
003091	RFETS	Inorganic Non-metal	222	371	17.00 U	0.04 U	0.62 J	0.04 U	0.20 J	0.08	0.03 U	17.00 U	0.03 J
003111	INEL	Inorganic Non-metal	222	371	17.00 U	7.30 E	0.29 J	0.04 U	0.25 J	0.03 U	0.04 J	17.00 U	0.04 J
003121	RFETS	Solidified Inorganics	211	7	5.00 U	0.14 U	2.50 U	0.50 JD	0.13 U	0.16	0.12 U	5.00 U	0.12 U
003129	RFETS	Solidified Inorganics	211	7	5.00 U	0.02 U	1.50 J	0.03 U	0.08 J	0.07	0.02 U	5.00 U	0.04 J
003130	RFETS	Solidified Inorganics	211	7	5.00 U	0.04 U	1.90 JD	0.06 U	0.08 JD	0.10	0.04 U	5.00 U	0.10 JD
003173	RFETS	Solidified Inorganics	211	7	5.00 U	0.02 U	1.80	0.02 U	0.14 J	0.07	0.02 U	5.00 U	0.32
003181	RFETS	Solidified Inorganics	211	7	5.00 U	0.01 U	0.18 J	0.02 U	0.07 J	0.02	0.01 U	5.00 U	0.01 J
003189	INEL	Solidified Organics	212	3	17.00 U	82.00 U	4100.0	77.00 U	15000	85.00 U	78.00 U	17.00 U	78.00 U
003192	RFETS	Solidified Inorganics	211	7	5.00 U	0.23 U	46.00 U	0.33 U	0.62 J	0.26	0.21 U	5.00 U	0.21 U
003215	RFETS	Solidified Inorganics	211	7	5.00 U	0.01 U	1.00 J	0.02 U	0.07 J	0.02	0.06 J	5.00 U	0.03 J
003277	RFETS	Solidified Inorganics	211	1	5.00 U	0.01 J	0.14 J	0.01 U	0.17	0.10	0.01 U	5.00 U	0.04 J
003394	RFETS	Solidified Inorganics	211	7	5.00 U	0.03 U	4.70 J	0.04 U	0.12 J	0.03	0.03 U	5.00 U	0.10 J
003406	RFETS	Solidified Inorganics	211	7	5.00 U	0.01 U	0.80 J	0.01 U	0.13	0.03	0.01 J	5.00 U	0.02 J
003455	RFETS	Solidified Inorganics	211	3	5.70 J	250.00 U	21000 U	350.00 U	43000	290.00	230.00 U	5.00 U	230.00 U
003547	RFETS	Solidified Inorganics	211	7	5.00 U	0.09 U	15.00 J	0.13 U	0.12 J	0.10	0.08 U	5.00 U	0.15 J
003577	RFETS	Solidified Inorganics	211	1	5.00 U	0.01 U	0.10 J	0.36	0.11 J	0.06	0.10 J	5.00 U	0.03 J
003854	INEL	Solidified Organics	212	3	17.00 U	50.00	1800.0	35.00 U	6700.0	39.00 U	36.00 U	17.00 U	36.00 U
003890	INEL	Solidified Inorganics	111	7	5.00 U	0.03 U	0.92	0.08 J	0.19 J	0.06 J	0.03 U	5.00 U	0.03 U
003921	INEL	Solidified Inorganics	111	7	5.00 U	0.03 U	2.90	0.05 U	0.32 J	0.04 U	0.03 U	5.00 U	0.03 U
003991	INEL	Combustible	223	339	17.00 U	0.13 J	0.05 J	0.02 U	0.03 J	0.06 J	0.02 J	17.00 U	0.02 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
003997	INEL	Combustible	223	339	15.00 U	0.23 J	0.13 J	0.04 U	0.04 U	0.29 J	0.39 J	15.00 U	0.05 U
004099	INEL	Solidified Inorganics	211	1	5.00 U	0.10 J	0.25	0.02 U	0.01 J	0.12 J	0.01 U	5.00 U	0.02 J
004111	RFETS	Salt Waste	224	411	5.00 U	0.06 J	0.12 U	0.13 J	0.10 JB	0.06	0.03 U	5.00 U	0.03 U
004112	INEL	Graphite	215	300	17.00 U	0.01 U	0.09 J	0.02 U	0.03 J	0.01 U	0.02 U	17.00 U	0.02 U
004123	INEL	Combustible	223	339	17.00 U	0.10 J	0.09 J	0.02 U	0.06 J	0.08 J	0.17 J	17.00 U	0.02 U
004125	INEL	Uncategorized Metal	217	480	17.00 U	0.03 U	0.05 J	0.04 U	0.05 J	0.07 J	0.03 U	17.00 U	0.03 U
004150	INEL	Graphite	215	300	17.00 U	0.02 U	0.11 J	0.02 U	0.08 J	0.02 U	0.02 U	17.00 U	0.02 U
004160	INEL	Combustible	223	339	17.00 U	580.00	290.00	120.00 U	25000	78.00 U	110.00 U	17.00 U	130.00 U
004166	INEL	Inorganic Non-metal	222	371	17.00 U	0.03 U	0.28 J	0.04 U	0.26 J	0.05 J	0.03 U	17.00 U	0.03 U
004186	INEL	Combustible	223	339	17.00 U	0.29 J	0.06 J	0.11 J	1.20	0.07 J	0.11 J	17.00 U	0.02 U
004195	RFETS	Salt Waste	224	411	5.00 U	0.01 U	0.11 J	0.14	0.16 B	0.01	0.01 U	5.00 U	0.02 J
004196	INEL	Graphite	215	300	17.00 U	0.03 J	0.13 J	0.02 U	0.07 J	0.08 J	0.03 J	17.00 U	0.02 U
004206	INEL	Combustible	223	339	15.00 U	0.36 J	0.13 J	0.18 J	0.05 J	0.19 J	0.26 J	15.00 U	0.02 U
004208	INEL	Graphite	215	300	17.00 U	0.01 U	0.05 J	0.02 U	0.03 J	0.01 U	0.02 U	17.00 U	0.02 U
004283	INEL	Solidified Inorganics	211	1	17.00 U	0.02 U	0.17 J	0.29 J	0.12 J	0.14 J	0.02 U	17.00 U	0.02 U
004326	INEL	Solidified Inorganics	213	4	17.00 U	0.02 J	0.23 J	0.02 U	0.39 J	0.09 J	0.02 U	17.00 U	0.02 J
004393	INEL	Solidified Inorganics	211	1	5.00 U	0.02 U	0.43	0.02 U	0.08 J	0.08 J	0.02 U	5.00 U	0.02 U
004410	INEL	Solidified Inorganics	211	1	5.00 U	0.03 U	0.28 J	0.04 U	0.20 J	0.11 J	0.03 U	5.00 U	0.03 U
004495	INEL	Solidified Inorganics	213	4	17.00 U	0.02 U	0.15 J	0.23 J	0.19 J	0.02 U	0.02 U	17.00 U	0.02 J
004516	INEL	Solidified Inorganics	211	1	5.00 U	0.03 U	0.21 J	0.09 J	0.12 J	0.60	0.03 U	5.00 U	0.03 U
004884	INEL	Solidified Inorganics	213	4	51.00 U	0.03 U	0.59 J	6.10	0.60 J	0.54 J	0.03 U	51.00 U	0.03 U
004963	INEL	Combustible	223	339	17.00 U	7.10	0.19 J	0.07 U	13.00	0.91 J	0.40 J	17.00 U	0.07 U
004968	RFETS	Uncategorized Metal	217	320	22.00 J	0.55 U	1.70 U	0.78 U	2.90 J	0.63	0.50 U	5.00 U	0.50 U
004981	RFETS	Uncategorized Metal	217	320	5.00 U	0.01 J	0.39 J	0.01 U	0.49	0.01	0.01 U	5.00 U	0.01 J
004988	RFETS	Salt Waste	224	411	5.00 U	0.06 J	0.30 J	0.04 U	0.10 JB	0.09	0.03 U	5.00 U	0.32 J





**Table 4-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
005006	RFETS	Salt Waste	224	411	5.00 U	0.04 J	0.39	0.04 U	0.07 JB	0.10	0.03 U	5.00 U	0.42
005012	INEL	Combustible	223	339	17.00 U	0.06 J	0.18 J	0.02 U	0.18 J	0.04 J	0.04 J	17.00 U	0.02 J
005015	INEL	Solidified Organics	226	432	17.00 U	1.40 U	82.00	2.00 U	1.40 U	1.60 U	1.30 U	17.00 U	230.00
005235	INEL	Solidified Organics	226	432	17.00 U	0.28 J	0.61 JB	0.04 U	0.38 J	1.30	0.03 U	17.00 U	0.03 U
005262	INEL	Solidified Organics	212	3	17.00 U	230.00 U	33000	220.00 U	52000	240.00 U	220.00 U	17.00 U	220.00 U
005358	INEL	Solidified Inorganics	211	1	17.00 U	0.03 J	0.30 J	0.80 J	0.23 J	1.00	0.02 U	17.00 U	0.02 U
005398	INEL	Solidified Inorganics	211	1	5.00 U	0.03 U	4.90	0.04 U	0.07 J	0.04 J	0.03 U	5.00 U	0.03 U
005415	INEL	Solidified Inorganics	211	1	5.00 U	0.03 U	0.16 J	0.10 J	0.09 J	0.31 J	0.03 U	5.00 U	0.03 U
005530	INEL	Graphite	215	303	17.00 U	0.07 J	0.11 J	0.02 U	0.06 J	0.05 J	0.02 J	17.00 U	0.02 U
005535	INEL	Solidified Organics	226	432	17.00 U	0.06 U	0.17 JD	0.16 JD	0.17 JD	2.80 D	0.05 U	17.00 U	0.05 U
005735	INEL	Solidified Inorganics	211	7	5.00 U	0.03 U	0.56	0.16 J	0.08 J	0.04 J	0.03 U	5.00 U	0.03 U
005738	INEL	Solidified Inorganics	211	7	5.00 U	0.02 U	0.29	0.03 U	0.08 J	0.02 U	0.02 U	5.00 U	0.02 U
006242	INEL	Inorganic Non-metal	222	371	17.00 U	3.70	0.26 J	0.04 U	0.28 J	0.03 U	0.04 J	17.00 U	0.03 J
006252	RFETS	Lead/Cadmium Metal	123	339	5.00 U	9.20 JD	5.80 U	5.20 U	460.00 D	4.20	3.30 U	5.00 U	3.40 U
006325	RFETS	Solidified Inorganics	213	4	100.00 U	0.01 U	0.12 J	0.70	0.11 J	0.33	0.01 U	100.00 U	0.08 J
006669	INEL	Solidified Inorganics	214	292	5.00 U	0.14 U	0.33 J	1.20 J	0.37 J	0.16 U	0.13 U	5.00 U	0.22 J
006773	RFETS	Solidified Inorganics	213	4	120.00 U	0.10 U	18.00 J	20.00	0.17 J	0.40	0.09 U	120.00 U	0.18 J
006857	INEL	Combustible	223	339	17.00 U	0.34 J	0.11 J	0.02 U	0.70 J	0.15 J	0.26 J	17.00 U	0.04 J
006865	RFETS	Solidified Organics	226	432	5.00 U	0.07 U	0.66 J	0.63 J	0.88 J	1.40	0.07 U	5.00 U	0.08 J
006876	INEL	Filter	219	335	17.00 U	0.04 J	0.03 J	0.06 J	0.02 J	0.34 J	0.12 J	17.00 U	0.02 U
006879	INEL	Solidified Organics	226	432	17.00 U	0.09 U	0.17 J	0.18 J	0.16 J	0.99 J	0.08 U	17.00 U	0.09 U
006886	INEL	Solidified Organics	226	432	17.00 U	0.31 U	12.00 B	2.60	0.30 U	0.54 J	0.28 U	17.00 U	57.00
007034	INEL	Combustible	216	337	15.00 U	210.00	290.00	2.80 U	1.90 U	2.30 U	1.80 U	15.00 U	310.00
007146	INEL	Inorganic Non-metal	222	371	17.00 U	1.60 U	150.00	2.30 U	1.60 U	1.80 U	1.40 U	17.00 U	280.00
007170	INEL	Combustible	216	337	18.00 U	0.25 U	71.00	0.35 U	0.34 U	0.22 U	0.31 U	18.00 U	92.00

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Item #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
07231	INEL	Filter	219	338	17.00 U	0.11 U	21.00	0.16 U	0.15 U	0.10 U	0.90 J	17.00 U	6.20
07511	INEL	Inorganic Non-metal	122	374	17.00 U	0.04 U	0.48	0.06 J	0.35 J	0.04 U	0.03 U	17.00 U	0.03 U
07518	INEL	Inorganic Non-metal	122	374	17.00 U	0.12 J	0.44 J	0.08 U	0.16 J	1.30	0.10 J	17.00 U	0.05 U
07667	INEL	Salt Waste	124	411	5.00 U	0.01 J	0.10 J	0.01 U	0.12	0.02 J	0.01 U	5.00 U	0.01 U
07920	INEL	Filter	121	302	17.00 U	0.22 U	1.80 J	0.72 J	0.22 U	0.26 U	0.20 U	17.00 U	0.29 J
08203	INEL	Inorganic Non-metal	118	440	17.00 U	0.06 U	0.10 J	0.20 J	0.13 J	0.39 J	0.05 U	17.00 U	0.05 U
08207	INEL	Heterogeneous	116	336	20.00 J	0.87 U	0.27 J	0.10 U	0.12 J	2.00 J	1.30 U	17.00 U	0.06 U
08218	INEL	Heterogeneous	116	330	17.00 U	1.70	0.20 J	0.10 U	0.16 J	1.30	0.84 J	17.00 U	0.06 U
08269	INEL	Uncategorized Metal	117	320	17.00 U	0.18 U	0.28 U	0.64 JD	0.32 JD	0.21 U	0.16 U	17.00 U	0.16 U
08287	INEL	Inorganic Non-metal	122	374	17.00 U	0.03 U	0.20 J	0.09 J	0.16 J	0.03 U	0.03 U	17.00 U	0.03 U
08359	INEL	Heterogeneous	116	330	17.00 U	1.50 J	0.28 U	0.73 J	0.18 U	2.70	2.00 J	17.00 U	0.16 U
08383	INEL	Lead/Cadmium Metal	123	339	6.10 J	13.00 J	1000.0	7.00 U	930.00	5.60 U	4.50 U	5.00 U	4.50 U
08848	INEL	Inorganic Non-metal	218	440	17.00 U	22.00	36.00	0.20 U	0.47 J	0.22 U	0.20 U	17.00 U	1.30
08859	INEL	Inorganic Non-metal	218	440	17.00 U	1.10	11.00	0.59 U	66.00	0.48 U	0.38 U	17.00 U	0.80 J
08860	INEL	Uncategorized Metal	217	480	17.00 U	1.10 U	160.00	1.50 U	1.00 U	1.20 U	0.96 U	17.00 U	4.30
08864	INEL	Uncategorized Metal	217	480	17.00 U	0.09 U	20.00	0.13 U	0.14 J	0.11 U	0.08 U	17.00 U	0.98 J
08872	INEL	Solidified Inorganics	214	292	5.00 U	0.04 U	0.23 J	0.31 J	0.12 J	0.09 J	0.03 U	5.00 U	0.06 J
08874	RFETS	Uncategorized Metal	217	480	12.00 J	33.00 U	5400.0 U	46.00 U	32.00 U	38.00	30.00 U	5.00 U	30.00 U
08878	INEL	Uncategorized Metal	217	480	17.00 U	4.50 U	580.00	6.30 U	4.30 U	5.10 U	4.00 U	17.00 U	4.10
08880	RFETS	Graphite	115	312	5.00 U	1.60 J	250.00 J	1.80 U	1.20 J	1.50	1.20 U	5.00 U	3.00 J
09006	INEL	Solidified Inorganics	211	7	17.00 U	0.04 J	0.63 J	0.02 U	0.18 J	0.08 J	0.02 U	17.00 U	0.02 U
09011	RFETS	Solidified Inorganics	211	7	5.00 U	0.01 U	2.30 JB	0.02 U	0.17 B	0.04	0.01 U	5.00 U	0.09 JB
09061	RFETS	Inorganic Non-metal	218	440	5.00 U	0.43 J	6.00	0.13 U	0.49 J	0.10	0.08 U	5.00 U	18.00
09180	INEL	Combustible	223	339	17.00 U	22.00	9.00	0.79 U	150.00	0.68 J	0.70 U	17.00 U	0.81 U
09225	INEL	Uncategorized Metal	217	481	17.00 U	0.03 U	2.20	0.04 U	0.03 J	0.03 U	0.03 U	17.00 U	0.03 U



**Table 4-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
009252	INEL	Combustible	223	339	17.00 U	1100.0	390.00	28.00 U	3700.0	22.00 U	18.00 U	17.00 U	18.00 J
009296	INEL	Combustible	223	339	17.00 U	2.80 U	2.50 U	740.00	2.70 U	3.20 U	4.10	17.00 U	2.50 U
009299	INEL	Combustible	223	339	17.00 U	0.10 J	1.10	0.03 J	0.02 U	0.04 J	0.11 J	17.00 U	0.02 U
009399	INEL	Inorganic Non-metal	218	440	17.00 U	1.30	37.00	0.52 U	83.00 E	0.42 U	0.33 U	17.00 U	2.10
009422	RFETS	Combustible	216	337	5.00 U	5.70 JD	920.00 JD	7.40 U	26.00 JD	6.00	4.70 U	5.00 U	5.20 JD
009423	INEL	Combustible	216	337	17.00 U	1.90 U	300.00	160.00	1.90 U	1.90 U	1.80 U	17.00 U	1.80 U
009435	INEL	Combustible	216	337	17.00 U	15.00	55.00	0.52 U	0.43 J	0.42 U	0.33 U	17.00 U	0.33 U
009449	INEL	Inorganic Non-metal	218	440	17.00 U	3.10	0.23 J	0.06 U	0.66 J	0.36 J	0.06 J	17.00 U	0.04 U
009471	INEL	Combustible	216	337	18.00 U	4.50	24.00	0.08 U	0.08 U	0.50 U	0.07 U	18.00 U	0.08 U
009475	INEL	Inorganic Non-metal	218	442	17.00 U	0.74 U	140.00	0.70 U	0.77 U	1.10	0.71 U	17.00 U	0.71 U
009489	INEL	Combustible	216	337	18.00 U	4.60	59.00	0.20 U	0.20 U	0.13 U	0.18 U	18.00 U	0.21 U
009587	INEL	Uncategorized Metal	117	320	5.00 U	0.01 J	0.24	0.15	0.24	0.01 U	0.01 U	5.00 U	0.01 J
009591	INEL	Inorganic Non-metal	118	440	17.00 U	0.04 U	0.09 J	0.05 U	0.10 J	0.05 J	0.03 U	17.00 U	0.03 U
009592	INEL	Inorganic Non-metal	118	440	17.00 U	0.07 U	0.11 J	0.14 J	0.13 J	0.26 J	0.06 U	17.00 U	0.06 U
009596	INEL	Uncategorized Metal	117	320	17.00 U	0.13 U	17.00	0.18 U	0.25 J	0.15 U	0.12 U	17.00 U	0.54 J
009599	INEL	Inorganic Non-metal	118	440	17.00 U	0.11 J	0.33 J	0.04 U	0.18 J	0.37	0.04 J	17.00 U	0.03 U
009602	INEL	Inorganic Non-metal	218	442	17.00 U	1.90 U	250.00	2.70 U	1.80 U	2.20 U	1.70 U	17.00 U	1.70 U
009694	INEL	Graphite	215	300	17.00 U	0.02 U	0.18 J	0.02 U	0.15 J	0.02 U	0.02 U	17.00 U	0.02 U
009735	INEL	Graphite	215	300	17.00 U	0.02 U	0.12 J	0.02 U	0.06 J	0.02 U	0.02 U	17.00 U	0.22 J
009773	INEL	Combustible	223	339	17.00 U	74.00	450.00	5.20 U	1300.0	5.80 U	5.30 U	17.00 U	5.30 U
009787	RFETS	Solidified Organics	212	3	5.00 U	180.00 J	10000 U	240.00 U	32000 B	200.00	160.00 U	5.00 U	160.00 U
009873	RFETS	Solidified Inorganics	211	1	5.00 U	0.05 U	8.10 U	0.06 U	0.20 J	0.16	0.04 U	5.00 U	0.04 U
010216	INEL	Filter	219	338	17.00 U	0.70 U	88.00	0.99 U	5.60	0.62 U	0.89 U	17.00 U	260.00
010224	INEL	Filter	219	338	17.00 U	0.21 U	42.00	0.30 U	0.29 U	0.19 U	0.78 J	17.00 U	20.00
010230	INEL	Heterogeneous	216	330	17.00 U	0.11 U	200.00 E	0.16 U	0.76 J	2.20	0.34 J	17.00 U	290.00 E

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
(all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
010273	INEL	Combustible	216	337	18.00 U	4.40	37.00	0.14 U	0.14 U	0.09 U	0.13 U	18.00 U	0.15 U
010295	INEL	Inorganic Non-metal	218	442	17.00 U	0.40 J	7.00	0.08 U	0.26 J	0.10 J	0.24 J	17.00 U	0.05 U
010305	RFETS	Inorganic Non-metal	218	442	5.00 U	0.66 U	110.00 U	0.93 U	0.66 J	0.75	0.59 U	5.00 U	0.60 U
010364	RFETS	Combustible	216	337	5.00 U	5.20 J	120.00 U	1.20 U	0.81 U	0.95	0.75 U	5.00 U	0.76 U
010371	INEL	Combustible	216	337	1.00 U	46.00	140.00 E	350.00 E	0.75 J	0.42 J	0.34 U	1.20 U	0.75 J
010407	RFETS	Uncategorized Metal	217	480	16.00 J	0.73 J	13.00 J	0.16 U	6.30	0.16	0.10 U	5.00 U	0.12 J
010411	INEL	Combustible	216	337	17.00 U	78.00	140.00	120.00	1.80 U	2.10 U	1.70 U	17.00 U	1.70 U
010415	INEL	Inorganic Non-metal	218	442	17.00 U	0.03 U	4.00	0.04 U	0.18 J	0.03 U	0.03 U	17.00 U	0.03 U
010426	INEL	Inorganic Non-metal	218	442	17.00 U	0.41 J	12.00 E	0.02 U	0.26 J	0.08 J	0.30 J	17.00 U	0.02 J
010463	INEL	Solidified Inorganics	213	4	34.00 U	0.28 U	40.00 J	0.40 U	0.35 J	0.32 U	0.25 U	34.00 U	0.25 U
010487	INEL	Salt Waste	224	414	17.00 U	2.30 J	23.00	0.72 U	50.00	0.58 U	0.46 U	17.00 U	0.46 U
010492	INEL	Uncategorized Metal	217	480	17.00 U	0.55 U	74.00	0.77 U	0.53 U	0.63 U	0.49 U	17.00 U	0.50 U
010498	INEL	Uncategorized Metal	217	480	17.00 U	0.37 J	12.00	0.04 U	0.09 J	0.49 J	0.13 J	17.00 U	0.04 U
010510	RFETS	Heterogeneous	216	336	5.00 U	9.40 J	240.00 B	18.00 J	3.80 JB	1.80	1.40 U	5.00 U	340.00 B
010546	RFETS	Heterogeneous	216	330	16.00 J	44.00 U	6600.0 B	62.00 U	42.00 U	50.00	40.00 U	10.00 U	1600.0 B
010578	INEL	Solidified Organics	226	432	17.00 U	0.95 U	65.00	1.40 U	0.92 U	1.10 U	0.86 U	17.00 U	200.00
010588	RFETS	Solidified Inorganics	211	2	5.00 U	0.82 U	76.00	1.20 U	0.84 J	0.94	0.74 U	5.00 U	160.00
010663	INEL	Combustible	216	337	18.00 U	0.36 U	110.00	0.51 U	0.49 U	0.32 U	0.46 U	18.00 U	140.00
010676	INEL	Heterogeneous	216	330	18.00 U	0.29 U	92.00	0.41 U	0.49 J	0.95 J	0.37 U	18.00 U	110.00
010800	INEL	Filter	219	338	17.00 U	0.10 U	23.00	0.14 U	0.13 U	0.14 J	0.12 U	17.00 U	42.00
010807	INEL	Combustible	216	337	17.00 U	1.20 U	120.00	1.80 U	1.20 U	1.40 U	1.10 U	17.00 U	240.00
010808	INEL	Combustible	216	337	17.00 U	3.60	53.00	21.00	0.40 U	0.41 U	0.37 U	17.00 U	120.00
010814	RFETS	Solidified Inorganics	211	1	5.00 U	0.33 U	53.00 E	0.47 U	0.80 JB	0.38	0.30 U	5.00 U	96.00 E
010837	INEL	Solidified Organics	226	432	17.00 U	0.42 U	100.00	0.59 U	1.30 J	0.48 U	0.38 U	17.00 U	78.00
010848	INEL	Filter	219	338	15.00 U	0.28 U	100.00	0.39 U	0.37 U	0.24 U	0.92 J	15.00 U	95.00



Table 4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Trichloroethane	Cyclohexane	Carbon Tetrachloride	Benzene	1,2-Dichloroethane	1-Butanol	Trichloroethene
010883	INEL	Solidified Organics	226	432	17.00 U	1.10 U	81.00	1.50 U	1.00 U	1.20 U	0.98 U	17.00 U	190.00
010921	INEL	Inorganic Non-metal	222	371	17.00 U	0.09 U	3.60	0.13 U	0.22 J	0.11 U	0.08 U	17.00 U	20.00
011004	INEL	Uncategorized Metal	217	480	17.00 U	0.03 U	10.00 E	0.04 U	0.13 J	0.03 U	0.03 U	17.00 U	0.03 U
011021	INEL	Solidified Organics	226	432	17.00 U	0.17 U	7.20	0.24 U	0.19 J	7.50	0.15 U	17.00 U	0.29 J
011042	INEL	Inorganic Non-metal	218	442	17.00 U	0.59 U	83.00	0.83 U	0.57 U	0.67 U	0.53 U	17.00 U	0.53 U
011044	INEL	Inorganic Non-metal	218	440	17.00 U	0.98 J	22.00	0.48 U	63.00	0.38 U	0.30 U	17.00 U	0.30 U
011067	RFETS	Solidified Inorganics	213	4	5.00 U	1.10 U	190.00 U	1.60 U	1.70 J	1.30	1.00 U	5.00 U	1.00 U
011102	RFETS	Solidified Inorganics	211	1	5.00 U	0.26 U	54.00 U	0.37 U	2.70 J	0.30	0.24 U	5.00 U	0.24 U
011109	INEL	Solidified Inorganics	211	1	17.00 U	0.22 U	44.00	0.21 U	0.23 U	0.23 U	0.21 U	17.00 U	0.78 J
011147	INEL	Solidified Inorganics	213	4	94.00 U	0.26 U	56.00	0.24 U	0.27 J	0.26 U	0.24 U	94.00 U	0.24 U
011173	INEL	Uncategorized Metal	217	480	17.00 U	19.00	11.00	0.06 U	5.50	0.37 J	0.07 J	17.00 U	0.48 J
011194	INEL	Inorganic Non-metal	218	442	17.00 U	0.07 U	14.00	0.10 U	0.39 J	0.08 U	0.06 U	17.00 U	2.40
011393	INEL	Uncategorized Metal	217	480	17.00 U	0.14 U	22.00	0.20 U	0.17 J	0.16 U	0.13 U	17.00 U	1.00
011416	INEL	Combustible	216	337	17.00 U	0.61 U	82.00	0.87 U	0.83 J	0.70 U	0.56 U	17.00 U	90.00
011433	INEL	Heterogeneous	216	330	18.00 U	0.36 U	75.00	0.51 U	0.49 U	0.48 J	0.46 U	18.00 U	150.00
011498	RFETS	Solidified Organics	226	432	17.00 U	1.60 U	140.00	2.30 U	1.60 U	1.80	1.40 U	17.00 U	270.00
011529	INEL	Uncategorized Metal	217	480	17.00 U	0.03 U	0.66 J	0.04 U	0.06 J	0.03 U	0.03 U	17.00 U	0.03 U
011601	INEL	Heterogeneous	216	336	17.00 U	0.85 U	160.00	1.20 U	1.20 U	0.75 U	1.10 U	17.00 U	260.00
011607	INEL	Heterogeneous	216	330	17.00 U	3.50	5.80	0.03 U	0.13 J	0.06 J	0.03 U	17.00 U	0.14 J
011637	RFETS	Filter	219	338	5.00 U	0.82 U	120.00 D	1.20 U	0.80 U	0.94	0.74 U	5.00 U	150.00 D
011735	INEL	Heterogeneous	216	330	17.00 U	0.84 U	85.00	1.20 U	2.90	0.96 U	0.76 U	17.00 U	130.00
011749	INEL	Inorganic Non-metal	225	441	17.00 U	0.24 U	39.00	0.34 U	0.65 J	0.27 U	0.22 U	17.00 U	5.50
011785	RFETS	Solidified Inorganics	211	1	5.00 U	0.03 U	0.15 U	0.04 J	0.50	0.13	0.03 U	5.00 U	0.03 U
012021	INEL	Solidified Inorganics	211	1	17.00 U	0.36 U	45.00	0.52 U	0.35 U	0.42 U	0.33 U	17.00 U	18.00
012108	INEL	Solidified Inorganics	214	292	17.00 U	0.36 U	40.00	0.52 U	0.35 U	0.42 U	0.33 U	17.00 U	2.00 J

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
012111	INEL	Combustible	216	337	18.00 U	1.20 U	160.00	590.00	1.60 U	1.00 U	1.50 U	18.00 U	1.70 U
012215	INEL	Uncategorized Metal	217	480	17.00 U	0.39 U	56.00	0.55 U	0.38 U	0.45 U	0.35 U	17.00 U	9.80
012313	INEL	Heterogeneous	216	336	18.00 U	7.80	92.00	30.00	0.59 U	0.38 U	0.55 U	18.00 U	110.00
012320	INEL	Heterogeneous	216	336	17.00 U	12.00	200.00	2.60 U	1.80 U	2.10 U	1.70 U	17.00 U	300.00
012356	INEL	Filter	219	338	17.00 U	0.26 U	41.00	0.24 U	0.27 U	0.27 U	1.50	17.00 U	29.00
012357	RFETS	Uncategorized Metal	217	480	5.00 U	3.00 U	190.00	4.20 U	2.90 U	3.40	2.70 U	5.00 U	610.00
012433	INEL	Filter	219	338	17.00 U	0.72 J	44.00	0.20 U	36.00	0.12 U	0.21 J	17.00 U	61.00
012469	RFETS	Solidified Inorganics	211	1	5.00 U	0.34 U	23.00	0.48 U	0.57 J	0.38	0.30 U	5.00 U	60.00
012471	RFETS	Filter	219	338	5.00 U	0.56 J	35.00	0.25 U	0.17 U	0.91	0.16 U	5.00 U	10.00
012487	INEL	Inorganic Non-metal	218	440	17.00 U	0.15 J	2.90	2.40	0.19 J	0.06 J	0.02 U	17.00 U	19.00 E
012494	INEL	Heterogeneous	216	330	17.00 U	1.10	85.00	1.60 U	14.00	2.30	1.00 U	17.00 U	160.00
012541	INEL	Inorganic Non-metal	218	442	17.00 U	0.03 U	8.40 E	0.04 U	0.19 J	0.03 U	0.03 U	17.00 U	2.90
012553	INEL	Solidified Inorganics	211	1	17.00 U	0.03 U	6.70 E	0.04 U	0.17 J	0.03 U	0.03 U	17.00 U	0.06 J
012571	INEL	Uncategorized Metal	217	320	17.00 U	0.08 J	0.33 J	0.02 U	0.12 J	0.02 U	0.02 U	17.00 U	0.03 J
012611	INEL	Solidified Inorganics	211	1	17.00 U	0.59 U	66.00	0.83 U	0.57 U	0.67 U	0.53 U	17.00 U	0.53 U
012634	INEL	Solidified Inorganics	211	1	17.00 U	1.60 U	220.00	2.30 U	1.60 U	1.80 U	1.40 U	17.00 U	1.40 U
012749	INEL	Solidified Inorganics	211	1	17.00 U	0.31 U	40.00	0.44 U	0.30 U	0.35 U	0.28 U	17.00 U	6.80
012766	INEL	Heterogeneous	216	336	17.00 U	2.80 U	310.00	4.00 U	4.00	3.20 U	2.50 U	17.00 U	400.00
012802	INEL	Combustible	216	337	17.00 U	1.40 U	250.00	1.30 U	42.00	1.40 U	1.30 U	17.00 U	340.00
012875	RFETS	Solidified Organics	226	432	17.00 U	3.80 U	310.00	5.30 U	3.70 U	4.30	3.40 U	17.00 U	630.00
012878	INEL	Uncategorized Metal	217	480	17.00 U	0.71 U	48.00	0.66 U	0.73 U	0.73 U	0.67 U	17.00 U	210.00
012891	INEL	Heterogeneous	216	330	17.00 U	0.32 U	44.00	0.46 U	0.44 J	0.37 U	0.29 U	17.00 U	51.00
012902	INEL	Filter	219	338	17.00 U	0.01 U	0.49 J	0.02 U	0.02 U	0.01 U	0.02 U	17.00 U	0.70 J
012920	INEL	organic Non-metal	222	371	17.00 U	1.10 U	1.00	1.60 U	1.10 U	1.30 U	1.00 U	17.00 U	180.00
012985	INEL	inorganic Non-metal	222	371	17.00 U	1.90 U	200.00	2.60 U	1.80 U	2.10 U	1.70 U	17.00 U	390.00



**Table 4-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri-chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
012986	INEL	Heterogeneous	221	302	17.00 U	0.62 U	120.00	0.58 U	0.63 U	0.64 U	0.58 U	17.00 U	170.00
012998	INEL	Combustible	216	337	17.00 U	0.64 U	50.00	0.91 U	0.98 J	0.74 U	0.58 U	17.00 U	97.00
013106	INEL	Solidified Inorganics	111	7	5.00 U	0.01 U	0.85	0.02 U	0.23	0.02 U	0.01 U	5.00 U	0.05 J
013229	RFETS	Solidified Organics	226	432	17.00 U	0.14 U	0.12 U	0.32 J	0.14 U	0.27	0.13 U	17.00 U	0.13 U
013231	INEL	Graphite	215	300	17.00 U	0.01 U	0.05 J	0.02 U	0.02 J	0.01 U	0.02 U	17.00 U	0.02 U
013252	INEL	Inorganic Non-metal	222	371	17.00 U	0.16 J	0.25 J	0.04 U	0.22 J	0.03 U	0.03 U	17.00 U	0.03 U
013266	INEL	Combustible	223	339	17.00 U	16.00	0.45 J	0.55 U	65.00	0.45 U	0.35 U	17.00 U	0.36 U
013269	INEL	Inorganic Non-metal	218	440	17.00 U	0.06 U	12.00	0.06 U	0.09 J	0.06 U	0.06 U	17.00 U	0.10 J
013313	INEL	Inorganic Non-metal	218	440	17.00 U	0.08 J	0.25 J	0.04 U	0.24 J	0.03 U	0.03 U	17.00 U	0.03 U
013331	INEL	Salt Waste	124	411	17.00 U	0.07 U	0.12 J	0.10 U	0.10 J	0.26 J	0.06 U	17.00 U	0.06 U
013342	INEL	Inorganic Non-metal	218	440	17.00 U	0.02 U	0.10 J	0.15 J	1.20	0.15 J	0.02 U	17.00 U	0.02 U
013346	RFETS	Inorganic Non-metal	222	371	5.00 U	0.10 J	0.10 U	0.03 U	0.08 JB	0.02	0.02 U	5.00 U	0.02 U
013618	INEL	Heterogeneous	216	330	17.00 U	1.90 U	70.00	2.60 U	1.80 U	2.10 U	1.70 U	17.00 U	290.00
013677	INEL	Filter	219	338	17.00 U	0.04 U	13.00	0.05 U	0.05 J	0.13 J	0.11 J	17.00 U	3.70
013751	INEL	Uncategorized Metal	217	480	17.00 U	0.84 U	58.00	1.20 U	0.81 U	0.96 U	0.76 U	17.00 U	170.00
013763	INEL	Combustible	223	339	2.60 J	78.00	84.00	13.00 U	3800.0 E	13.00 U	14.00 U	1.20 U	15.00 U
013773	RFETS	Solidified Inorganics	111	7	5.00 U	0.07 U	11.00 U	0.10 U	0.09 JB	0.09	0.07 U	5.00 U	0.07 U
013818	RFETS	Solidified Inorganics	211	1	5.00 U	0.02 U	0.25 U	0.03 U	0.10 JB	0.30	0.02 U	5.00 U	0.02 U
013820	RFETS	Solidified Inorganics	211	1	11.00 U	0.22 J	0.18 J	0.04 J	0.12 JB	0.16	0.02 U	11.00 U	0.04 J
013847	INEL	Graphite	215	300	17.00 U	0.02 U	0.08 J	0.02 U	0.03 J	0.02 U	0.02 U	17.00 U	0.02 U
013860	INEL	Combustible	223	339	17.00 U	0.68 J	19.00	0.07 U	1.00	0.62 J	0.36 J	17.00 U	0.07 U
013876	RFETS	Solidified Inorganics	211	7	5.00 U	0.09 U	6.90 U	0.13 U	13.00	0.10	0.08 U	5.00 U	0.08 U
014007	INEL	Solidified Inorganics	211	1	17.00 U	0.02 U	0.16 J	0.02 U	0.10 J	0.06 J	0.02 U	17.00 U	0.03 J
014009	INEL	Solidified Inorganics	211	7	17.00 U	0.08 U	22.00	0.07 U	0.41 J	0.10 J	0.07 U	17.00 U	0.07 U
014010	INEL	Solidified Inorganics	211	7	17.00 U	0.02 U	6.00	0.02 U	0.07 J	0.06 J	0.02 U	17.00 U	0.02 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri-chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
014127	RFETS	Solidified Inorganics	211	7	5.00 U	0.02 U	0.83 J	0.02 U	0.09 J	0.05	0.02 U	5.00 U	0.03 J
014170	INEL	Solidified Inorganics	211	7	5.00 U	0.02 J	0.24	0.02 U	0.14 J	0.14 J	0.02 U	5.00 U	0.02 U
014330	INEL	Graphite	215	303	17.00 U	0.35 J	11.00	0.04 U	0.06 J	0.08 J	0.16 J	17.00 U	0.04 U
014334	INEL	Filter	219	335	1.30 U	0.06 U	0.34 J	0.09 J	0.13 J	0.05 U	0.06 U	1.30 U	0.06 U
014339	INEL	Solidified Organics	226	432	17.00 U	0.06 U	0.15 JD	0.31 JD	0.13 JD	0.65 JD	0.05 U	17.00 U	0.05 U
014342	INEL	Graphite	215	303	17.00 U	0.05 U	16.00	0.07 U	0.06 U	0.04 U	0.06 U	17.00 U	0.07 U
014345	INEL	Solidified Organics	226	432	17.00 U	0.05 U	0.23 JB	0.12 J	0.07 J	0.97 J	0.04 U	17.00 U	0.04 U
014346	INEL	Combustible	223	339	17.00 U	5.50	0.55 J	0.02 U	20.00 E	0.54 J	0.20 J	17.00 U	0.03 J
014348	INEL	Graphite	215	300	17.00 U	0.02 U	0.07 J	0.02 U	0.04 J	0.02 U	0.02 U	17.00 U	0.02 U
014354	RFETS	Uncategorized Metal	217	481	5.00 U	0.02 J	0.87 J	0.02 U	0.02 JB	0.01	0.01 U	5.00 U	0.04 J
014357	INEL	Combustible	223	339	2.10 J	48.00	820.00	85.00	3400.0 E	13.00 U	14.00 U	1.30 U	15.00 U
014387	INEL	Solidified Inorganics	211	7	17.00 U	0.02 U	4.30	0.02 U	0.07 J	0.22 J	0.02 U	17.00 U	0.38 J
014466	INEL	Heterogeneous	221	302	17.00 U	0.31 U	50.00	0.44 U	0.30 U	0.35 U	0.28 U	17.00 U	67.00
014484	INEL	Graphite	215	300	17.00 U	0.02 U	0.07 J	0.02 U	0.10 J	0.05 J	0.02 U	17.00 U	0.02 U
014502	RFETS	Solidified Inorganics	211	1	5.00 U	0.02 J	0.29 J	0.01 U	0.10	0.10	0.01 U	5.00 U	0.04 J
014504	RFETS	Solidified Inorganics	211	1	5.00 U	0.03 U	0.30 J	0.04 J	0.16 J	0.46	0.03 U	5.00 U	0.04 J
014773	INEL	Solidified Inorganics	214	292	5.00 U	0.05 U	0.18 J	0.16 J	0.26 J	0.06 U	0.05 U	5.00 U	0.08 J
015228	RFETS	Solidified Organics	226	432	17.00 U	0.17 U	30.00	0.24 U	0.25 J	1.30	0.15 U	17.00 U	1.50
015231	INEL	Inorganic Non-metal	218	440	17.00 U	0.45 J	1.30	0.04 U	0.25 J	0.08 J	0.07 J	17.00 U	0.03
015241	INEL	Inorganic Non-metal	218	442	17.00 U	0.05 U	13.00 E	0.07 U	0.32 J	0.06 U	0.04 U	17.00 U	0.14 J
015249	INEL	Graphite	215	300	17.00 U	0.06 J	2.10	0.02 U	0.07 J	0.01 U	0.02 U	17.00 U	0.02 U
015262	RFETS	Solidified Organics	226	432	17.00 U	1.60 U	230.00 U	2.30 U	1.60 U	3.60	1.40 U	17.00 U	1.40 U
015267	INEL	Uncategorized Metal	217	480	17.00 U	1.40 U	180.00	2.00 U	1.40 U	1.60 U	1.30 U	17.00 U	1.30 U
015338	INEL	Solidified Inorganics	211	7	17.00 U	0.01 U	1.20	0.02 U	0.02 U	0.07 J	0.02 U	17.00 U	0.02 U
015434	RFETS	Solidified Organics	226	432	17.00 U	0.04 U	5.40 J	0.06 U	0.14 J	0.89	0.04 U	17.00 U	0.09 J





**Table 2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Trichloroethane	Cyclohexane	Carbon Tetrachloride	Benzene	1,2-Dichloroethane	I-Butanol	Trichloroethene
015440	RFETS	Solidified Organics	226	432	17.00 U	0.36 U	53.00 J	0.52 U	0.35 U	5.40	0.33 U	17.00 U	0.78 J
015515	RFETS	Solidified Organics	212	3	5.00 U	26.00 U	210.00 U	38.00 U	4400.0	30.00	24.00 U	5.00 U	24.00 U
015532	RFETS	Solidified Organics	212	3	5.00 U	81.00 U	6600.0 U	120.00 U	15000	93.00	73.00 U	5.00 U	74.00 U
015543	INEL	Solidified Organics	212	3	17.00 U	35.00 U	620.00	49.00 U	6000.0	40.00 U	32.00 U	17.00 U	32.00 U
015627	INEL	Graphite	215	300	17.00 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	17.00 U	0.10 J
015655	INEL	Solidified Inorganics	211	7	17.00 U	0.02 U	0.87 J	0.02 U	0.03 J	0.02 U	0.02 U	17.00 U	0.04 J
015674	INEL	Graphite	215	300	17.00 U	0.07 J	3.20	0.02 U	0.19 J	0.02 U	0.02 U	17.00 U	0.02 U
015675	INEL	Uncategorized Metal	217	480	17.00 U	0.07 U	15.00	0.10 U	0.07	0.15 J	0.07 J	17.00 U	0.25 J
015777	RFETS	Solidified Organics	226	432	17.00 U	0.07 U	12.00 J	0.10 U	0.18 J	4.50	0.06 U	17.00 U	0.08 J
015785	RFETS	Solidified Inorganics	211	1	15.00 U	0.32 U	50.00 J	0.46 U	2.10 JB	0.37	0.29 U	15.00 U	0.37 J
015786	INEL	Solidified Inorganics	211	1	17.00 U	0.03 U	6.40	0.03 U	0.07 J	0.30 J	0.03 U	17.00 U	0.09 J
016242	INEL	Graphite	215	300	17.00 U	0.02 U	0.09 J	0.02 U	0.10 J	0.02 U	0.02 U	17.00 U	0.02 U
016612	INEL	Inorganic Non-metal	218	442	17.00 U	0.10 J	3.60	0.04 U	0.22 J	0.03 U	0.03 U	17.00 U	0.03 J
016613	INEL	Solidified Organics	226	432	17.00 U	0.20 U	7.40	0.28 U	2.00 J	0.22 U	0.18 U	17.00 U	0.18 U
016707	INEL	Graphite	215	300	17.00 U	0.02 U	0.04 J	0.02 U	0.02 U	0.02 U	0.02 U	17.00 U	0.02 U
016738	RFETS	Solidified Inorganics	211	7	5.00 U	1.20 U	250.00 JB	1.80 U	1.20 U	1.40	1.10 U	5.00 U	8.00 JB
016790	INEL	Graphite	215	300	17.00 U	0.02 U	12.00 E	0.12 J	0.03 J	0.05 J	0.02 J	17.00 U	1.50
016807	INEL	Solidified Inorganics	211	1	17.00 U	0.17 U	38.00	0.16 U	0.36 J	0.17 U	0.16 U	17.00 U	3.20
016842	INEL	Graphite	215	300	17.00 U	0.02 U	0.35 J	0.02 U	0.04 J	0.02 U	0.02 U	17.00 U	0.02 U
016855	RFETS	Solidified Organics	212	3	5.00 U	130.00 U	2200.0 U	180.00 U	16000 D	140.00	110.00 U	5.00 U	110.00 U
016869	INEL	Solidified Inorganics	211	7	17.00 U	0.19 U	40.00	0.17 U	0.19 U	0.19 U	0.18 U	17.00 U	0.45 J
016964	RFETS	Solidified Inorganics	211	7	5.00 U	1.10 U	170.00 J	1.60 U	1.10 U	1.30	0.99 U	5.00 U	5.90 J
016986	INEL	Inorganic Non-metal	218	442	17.00 U	0.17 U	26.00	0.24 U	0.28 J	0.19 U	0.15 U	17.00 U	2.90
017148	INEL	Solidified Organics	226	432	17.00 U	0.60 U	120.00	0.85 U	0.58 U	0.68 U	0.54 U	17.00 U	0.54 U
017190	INEL	Solidified Inorganics	211	7	17.00 U	3.70 U	680.00	3.50 U	3.80 U	3.90 U	3.50 U	17.00 U	3.50 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Trichloroethane	Cyclohexane	Carbon Tetrachloride	Benzene	1,2-Dichloroethane	1-Butanol	Trichloroethene
017444	INEL	Graphite	215	300	17.00 U	0.03 U	3.60	0.04 U	0.09 J	0.03 U	0.03 U	17.00 U	0.09 J
017453	INEL	Solidified Organics	212	3	5.00 U	36.00 U	690.00 J	51.00 U	6300.0 J	41.00 U	33.00 U	5.00 U	33.00 U
017486	INEL	Solidified Inorganics	211	1	17.00 U	0.17 U	13.00	0.16 U	1.40	0.43 J	0.16 U	17.00 U	0.75 J
017491	INEL	Graphite	215	300	17.00 U	0.19 U	43.00	0.17 U	0.19 U	0.19 U	0.18 U	17.00 U	0.74 J
017495	INEL	Inorganic Non-metal	218	442	17.00 U	0.07 J	2.60	0.04 U	0.35 J	0.03 U	0.03 U	17.00 U	0.04 J
017496	INEL	Inorganic Non-metal	218	442	17.00 U	0.03 U	1.00	0.04 U	0.23 J	0.03 U	0.03 U	17.00 U	0.03
017698	RFETS	Solidified Inorganics	211	292	5.00 U	2.30 U	510.00 J	3.30 U	3.50 J	2.60	2.10 U	5.00 U	2.50 J
017709	INEL	Solidified Inorganics	211	1	17.00 U	0.02 U	4.70	0.02 U	0.25 J	0.04 J	0.02 U	17.00 U	0.14 J
017728	RFETS	Solidified Inorganics	211	1	5.00 U	0.66 U	61.00 U	0.93 U	3.00 JB	0.75	0.59 U	5.00 U	0.60 U
017742	INEL	Inorganic Non-metal	218	440	17.00 U	0.56 U	33.00	110.00	0.54 U	0.64 U	0.60 J	17.00 U	2.00
017756	RFETS	Solidified Organics	226	432	17.00 U	1.60 U	230.00 U	2.30 U	1.60 U	1.80	1.40 U	17.00 U	2.20 U
017759	INEL	Solidified Organics	226	432	17.00 U	1.10 U	240.00	1.60 U	1.10 U	1.30 U	1.00 U	17.00 U	1.00 U
017788	INEL	Solidified Inorganics	211	7	17.00 U	1.20 U	210.00	1.20 U	1.30 U	1.30 U	1.20 U	17.00 U	1.20 U
017863	INEL	Filter	119	376	17.00 U	0.09 U	0.35 J	0.23 J	0.16 J	0.11 U	0.13 J	17.00 U	0.08 U
018111	RFETS	Solidified Inorganics	211	1	5.00 U	0.01 U	2.20 J	0.02 U	0.47	0.02	0.01 U	5.00 U	0.02 J
018219	RFETS	Solidified Inorganics	211	7	5.00 U	1.10 U	160.00 J	1.60 U	1.10 U	1.20	0.99 U	5.00 U	4.10 J
018299	INEL	Filter	119	376	17.00 U	0.24 J	0.29 J	0.27 J	0.14 U	0.26 J	0.13 U	17.00 U	0.13 U
018413	INEL	Graphite	115	300	5.00 U	0.01 U	0.12	0.01 U	0.09 J	0.01 U	0.01 U	5.00 U	0.01 U
018441	INEL	Graphite	115	300	17.00 U	0.03 U	0.07 J	0.01 U	0.06 J	1.10	0.03 U	17.00 U	0.03 U
018464	INEL	Graphite	115	300	5.00 U	0.02 J	0.49	0.02 U	0.41	0.01 U	0.01 U	5.00 U	0.01 U
018476	INEL	Solidified Inorganics	111	292	5.00 U	0.09 U	0.23 J	0.22 J	0.12 J	0.10 U	0.08 U	5.00 U	0.08 U
018491	INEL	Graphite	115	300	17.00 U	0.03 U	0.07 J	0.04 U	0.09 J	0.03 U	0.03 U	17.00 U	0.03 U
019410	INEL	Lead/Cadmium Metal	123	339	5.00 U	0.61 U	0.95 U	0.86 U	83.00 D	0.70 U	0.55 U	5.00 U	0.55 U
019413	INEL	Lead/Cadmium Metal	123	339	5.00 U	5.50 J	7.70 J	3.80 U	430.00	3.10 U	2.40 U	5.00 U	2.40 U
019572	INEL	Lead/Cadmium Metal	123	339	17.00 U	3.70	0.34 J	0.30 J	7.90	0.52 J	0.81	17.00 U	0.05 U

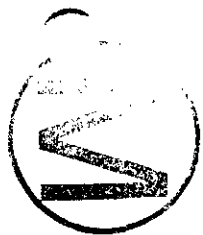


Table -4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	I-Butanol	Trichloro-ethene
021031	RFETS	Solidified Inorganics	214	292	5.00 U	0.04 U	0.18 J	0.06 U	0.24 J	0.08	0.04 U	5.00 U	0.05 J
021172	RFETS	Inorganic Non-metal	218	442	5.00 U	0.01 J	0.84 J	0.02 U	0.14 B	0.01	0.01 U	5.00 U	0.02 J
021306	INEL	Solidified Inorganics	213	4	17.00 U	0.03 U	1.80	0.04 U	0.14 J	0.03 U	0.03 U	17.00 U	0.03 J
021392	RFETS	Solidified Inorganics	214	292	5.00 U	0.15 U	32.00 U	0.22 U	19.00	0.18	0.14 U	5.00 U	0.14 U
021442	INEL	Solidified Inorganics	211	1	17.00 U	0.52 U	98.00	0.49 U	0.54 U	0.54 U	0.50 U	17.00 U	7.20
021488	RFETS	Inorganic Non-metal	218	442	5.00 U	0.21 J	3.20 J	0.05 U	7.50 E	0.04	0.03 U	5.00 U	0.33 J
021503	RFETS	Inorganic Non-metal	218	440	5.00 U	0.16 U	18.00 U	0.22 U	0.29 J	0.18	0.14 U	5.00 U	0.14 U
021511	RFETS	Solidified Inorganics	213	4	5.00 U	0.04 U	6.80 U	0.06 U	0.16 J	0.05	0.04 U	5.00 U	0.04 U
021512	INEL	Solidified Inorganics	211	7	17.00 U	0.89 U	110.00	1.30 U	0.87 U	1.00 U	0.81 U	17.00 U	5.00 J
021523	INEL	Solidified Organics	226	432	17.00 U	0.57 U	66.00	0.80 U	0.55 U	2.30	0.51 U	17.00 U	0.52 U
021565	INEL	Solidified Inorganics	211	7	17.00 U	0.93 U	190.00	0.87 U	0.97 J	0.97 U	0.89 U	17.00 U	1.00
021572	INEL	Solidified Inorganics	211	7	17.00 U	0.48 U	92.00	0.45 U	0.50 U	0.50 U	0.46 U	17.00 U	0.78 J
021600	RFETS	Solidified Inorganics	211	1	5.00 U	0.26 U	55.00	0.37 U	0.40 J	0.30	0.24 U	5.00 U	3.40
021631	INEL	Inorganic Non-metal	218	442	17.00 U	0.03 U	8.60 E	0.04 U	0.32 J	0.04 J	0.09 J	17.00 U	2.20
021698	INEL	Inorganic Non-metal	218	440	17.00 U	1.00 U	37.00	86.00	2.30	1.20 U	0.95 U	17.00 U	16.00
021699	INEL	Solidified Inorganics	213	4	68.00 U	0.31 U	47.00	0.44 U	0.68 J	0.35 U	0.28 U	68.00 U	26.00
021700	RFETS	Solidified Inorganics	213	4	5.00 U	0.04 J	0.26	0.01 U	0.48	0.01	0.01 U	5.00 U	0.13
021806	INEL	Inorganic Non-metal	218	440	17.00 U	0.22 U	16.00	84.00	0.44 J	0.22 U	0.33 J	17.00 U	6.60
021816	INEL	Solidified Inorganics	211	1	17.00 U	0.11 U	29.00	0.10 U	0.31 J	0.31 J	0.11 U	17.00 U	0.11 U
021865	INEL	Solidified Inorganics	211	1	17.00 U	0.89 U	120.00	1.30 U	0.87 U	1.00 U	0.81 U	17.00 U	0.81 U
021993	INEL	Solidified Inorganics	211	2	17.00 U	0.42 U	51.00	0.59 U	0.41 U	0.48 U	0.38 U	17.00 U	3.00 J
022000	INEL	Inorganic Non-metal	218	440	17.00 U	1.10	18.00	0.13 U	0.32 J	0.21 J	0.08 U	17.00 U	6.20
022036	INEL	Uncategorized Metal	217	480	17.00 U	0.32 J	19.00	0.07 U	0.10 J	0.33 J	0.07 J	17.00 U	3.00
022038	RFETS	Uncategorized Metal	217	481	18.00 J	0.38 J	29.00	0.24 U	1.50 JB	0.51	0.16 U	5.00 U	7.50
022052	INEL	Uncategorized Metal	217	481	17.00 U	0.02 J	0.84 J	0.02 U	0.02 U	0.01 U	0.02 U	17.00 U	0.02 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
022102	INEL	Solidified Organics	226	432	17.00 U	0.09 U	17.00	0.13 U	0.20 J	2.00	0.08 U	17.00 U	0.68 J
022105	INEL	Solidified Inorganics	211	1	17.00 U	0.39 U	50.00	0.55 U	0.50 J	0.45 U	0.35 U	17.00 U	20.00
022119	INEL	Inorganic Non-metal	222	371	17.00 U	0.50 U	66.00	0.71 U	0.49 U	0.58 U	0.46 U	17.00 U	0.46 U
022121	INEL	Solidified Inorganics	211	7	17.00 U	0.17 U	38.00	0.16 U	0.23 J	0.17 U	0.16 U	17.00 U	0.16 U
022135	INEL	Solidified Inorganics	211	7	17.00 U	0.64 U	92.00	0.91 U	0.62 U	0.74 U	0.58 U	17.00 U	0.58 U
022136	RFETS	Solidified Inorganics	211	7	5.00 U	0.82 U	160.00 U	1.20 U	0.80 U	0.94	0.74 U	11.00 J	0.75 U
022149	RFETS	Solidified Inorganics	211	7	5.00 U	0.20 U	38.00 U	0.29 U	0.20 U	0.24	0.19 U	5.00 U	0.19 U
022224	INEL	Solidified Inorganics	211	1	17.00 U	0.39 U	39.00	0.55 U	0.38 U	0.45 U	0.35 U	17.00 U	60.00
022226	RFETS	Inorganic Non-metal	222	371	5.00 U	1.10 U	200.00 U	1.60 U	1.00 U	1.20	0.99 U	5.00 U	0.99 U
022228	INEL	Inorganic Non-metal	222	371	17.00 U	0.14 U	24.00	0.20 U	0.21 J	0.16 U	0.13 U	17.00 U	0.13 U
022230	INEL	Inorganic Non-metal	222	371	17.00 U	0.11 U	29.00 E	0.16 U	0.19 J	0.13 U	0.10 U	17.00 U	0.10 U
022249	INEL	Uncategorized Metal	217	480	17.00 U	1.90 U	480.00	1.80 U	1.90 U	1.90 U	1.80 U	17.00 U	1.80 U
022275	INEL	Uncategorized Metal	217	480	17.00 U	0.42 U	94.00	0.39 U	0.43 U	0.72 J	0.40 U	17.00 U	0.40 U
022286	RFETS	Uncategorized Metal	217	480	6.10 J	0.47 U	96.00 J	0.67 U	0.46 U	0.54	0.42 U	5.00 U	0.59 J
022296	INEL	Solidified Inorganics	211	1	17.00 U	0.93 U	150.00	0.87 U	0.96 U	0.96 U	0.88 U	17.00 U	7.00
022306	INEL	Inorganic Non-metal	218	440	17.00 U	0.84 U	75.00	34.00	0.81 U	0.96 U	0.76 U	17.00 U	1.10
022338	INEL	Solidified Organics	212	3	17.00 U	820.00 J	18000	160.00 U	10000	130.00 U	100.00 U	17.00 U	100.00 U
022347	INEL	Inorganic Non-metal	218	440	17.00 U	2.10	58.00	0.27 U	0.30 U	0.43 J	0.28 U	17.00 U	0.28 U
022358	INEL	Uncategorized Metal	217	480	17.00 U	0.02 U	8.10 E	0.02 U	0.16 J	1.50	0.02 U	17.00 U	0.04 J
022416	RFETS	Uncategorized Metal	217	320	5.00 U	1.10	7.60 J	0.07 U	0.12 J	0.06	0.16 J	5.00 U	0.40 J
022434	INEL	Solidified Organics	226	432	17.00 U	0.36 U	55.00	0.52 U	0.35 U	7.50	0.33 U	17.00 U	3.00
022442	INEL	Solidified Organics	226	432	17.00 U	1.07 U	138.50	1.50 U	1.05 U	2.05 J	0.98 U	17.00 U	0.98 U
022450	RFETS	Uncategorized Metal	217	320	5.00 U	0.12 J	11.00 U	0.12 U	0.13 JB	0.09	0.07 U	5.00 U	0.07 U
022453	RFETS	Solidified Inorganics	211	2	5.00 U	0.07 U	10	0.10 U	0.45 J	0.13	0.07 U	5.00	5.10
022486	RFETS	Inorganic Non-metal	218	440	5.00 U	1.70 U	120.00	110.00	1.80 UB	1.90	1.50 U	5.00 U	42.00



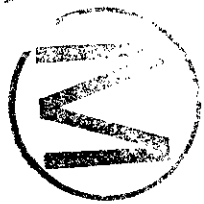
**Table 2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Run #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
22511	INEL	Uncategorized Metal	217	480	17.00 U	0.86 U	130.00	1.20 U	0.84 U	0.99 U	0.78 U	17.00 U	0.79 U
22513	INEL	Solidified Organics	212	1	17.00 U	0.25 U	30.00	0.36 U	0.24 U	0.29 U	0.23 U	17.00 U	1.50 J
22517	INEL	Solidified Organics	226	432	17.00 U	0.11 U	23.00 B	0.15 U	0.27 J	2.50 J	0.10 U	17.00 U	0.94 J
22539	INEL	Solidified Organics	226	432	17.00 U	0.11 U	7.20	0.15 U	0.26 J	3.20	0.10 U	17.00 U	0.31 J
22549	INEL	Uncategorized Metal	217	480	17.00 U	1.40 U	230.00	2.00 U	1.40 U	1.60 U	1.30 U	17.00 U	1.30 U
22552	INEL	Inorganic Non-metal	218	442	17.00 U	0.32 U	44.00	0.46 U	0.31 U	0.37 U	0.29 U	17.00 U	0.54 J
22557	INEL	Uncategorized Metal	217	480	17.00 U	0.66 U	130.00	0.62 U	0.79 J	0.68 U	0.62 U	17.00 U	0.63 U
22595	INEL	Solidified Inorganics	211	1	17.00 U	0.32 U	63.00	0.30 U	0.33 U	0.33 U	0.30 U	17.00 U	0.30 U
22600	RFETS	Solidified Inorganics	213	4	130.00 U	0.26 U	46.00	0.36 U	0.25 U	0.34	0.23 U	130.00 U	9.00
22780	INEL	Solidified Inorganics	211	7	17.00 U	0.47 U	130.00	0.44 U	0.78 J	0.48 U	0.44 U	17.00 U	0.44 U
22789	INEL	Solidified Inorganics	211	7	17.00 U	0.62 U	82.00	0.88 U	0.60 U	0.71 U	0.56 U	17.00 U	0.56 U
22790	INEL	Solidified Inorganics	214	292	17.00 U	1.50	51.00	0.21 U	1.40	0.23 U	0.21 U	17.00 U	0.21 U
22803	INEL	Inorganic Non-metal	222	371	17.00 U	0.59 U	80.00	0.83 U	0.57 U	0.67 U	0.53 U	17.00 U	0.53 U
22807	INEL	Salt Waste	224	414	17.00 U	0.12 U	15.00	0.16 U	0.25 J	0.13 U	0.10 U	17.00 U	0.11 U
22811	INEL	Solidified Inorganics	211	7	17.00 U	0.39 U	75.00	0.37 U	0.54 J	0.40 U	0.37 U	17.00 U	0.37 U
22833	INEL	Solidified Inorganics	211	7	17.00 U	2.80 U	490.00	2.60 U	2.90 U	2.90 U	2.60 U	17.00 U	2.60 U
22841	INEL	Solidified Inorganics	211	7	17.00 U	1.50 U	290.00	1.40 U	1.50 U	1.50 U	1.40 U	17.00 U	1.40 U
22850	INEL	Solidified Inorganics	211	7	17.00 U	0.93 U	170.00	0.87 U	0.96 U	0.97 U	0.88 U	17.00 U	0.88 U
22874	INEL	Inorganic Non-metal	222	371	17.00 U	0.20 U	34.00	0.28 U	0.36 J	0.22 U	0.18 U	17.00 U	0.18 U
22894	INEL	Solidified Inorganics	211	1	17.00 U	0.13 U	38.00	0.12 U	0.93 J	0.14 U	0.13 U	17.00 U	0.13 U
22923	INEL	Inorganic Non-metal	218	440	17.00 U	0.36 U	50.00	0.52 U	0.35 U	0.42 U	0.33 U	17.00 U	0.33 U
23005	INEL	Solidified Inorganics	211	7	17.00 U	0.17 U	14.00	0.24 U	0.30 J	0.19 U	0.15 U	17.00 U	0.15 U
23027	RFETS	Uncategorized Metal	217	480	5.00 U	0.16 U	34.00 B	0.23 U	0.70 JB	0.19	0.15 U	5.00 U	4.50 B
23041	RFETS	Inorganic Non-metal	222	371	5.00 U	0.29 J	39.00 J	0.38 U	1.70 JB	0.31	0.24 U	5.00 U	0.28 J
23046	RFETS	Solidified Inorganics	211	7	5.00 U	0.47 U	97.00 U	0.67 U	0.70 J	0.54	0.42 U	5.00 U	0.43 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Item #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
023048	RFETS	Solidified Organics	226	432	17.00 U	0.39 U	60.00 U	0.55 U	0.38 U	0.86	0.35 U	17.00 U	0.36 U
023062	INEL	Solidified Inorganics	211	7	17.00 U	0.17 U	18.00	0.24 U	0.18 J	0.19 U	0.15 U	17.00 U	0.15 U
023211	INEL	Filter	119	376	17.00 U	0.06 U	0.10 J	0.08 U	0.47 J	0.41 J	0.05 U	17.00 U	0.05 U
023212	RFETS	Uncategorized Metal	217	480	5.80 J	0.63 J	94.00 U	0.78 U	1.10 J	0.63	0.50 U	7.50 J	0.50 U
023227	INEL	Uncategorized Metal	217	480	17.00 U	0.09 U	12.00	0.13 U	0.12 J	0.11 U	0.08 U	17.00 U	0.08 U
023229	INEL	Combustible	216	337	17.00 U	0.56 U	74.00	0.79 U	0.55 J	0.64 U	0.50 U	17.00 U	0.51 U
023235	RFETS	Heterogeneous	216	336	7.10 J	0.15 U	29.00 U	0.21 U	5.70	1.00	0.13 U	5.00 U	0.13 U
023238	INEL	Solidified Inorganics	211	1	17.00 U	0.20 U	43.00	0.19 U	1.80	0.21 U	0.20 U	17.00 U	0.20 U
023277	INEL	Inorganic Non-metal	222	371	17.00 U	0.98 U	130.00	1.40 U	0.95 U	1.10 U	0.88 U	17.00 U	0.89 U
023285	INEL	Solidified Inorganics	211	7	17.00 U	1.90 U	260.00	2.60 U	1.80 U	2.10 U	1.70 U	17.00 U	1.70 U
023312	INEL	Uncategorized Metal	217	480	17.00 U	0.93 U	180.00	0.87 U	0.96 U	0.97 U	0.89 U	17.00 U	0.89 U
023341	RFETS	Solidified Inorganics	211	7	5.00 U	0.01 U	4.60 J	0.01 U	0.18	0.05	0.04 J	5.00 U	0.06 J
023357	INEL	Solidified Inorganics	211	1	17.00 U	0.14 U	19.00	0.20 U	0.26 J	0.16 J	0.13 U	17.00 U	0.16 J
023383	RFETS	Uncategorized Metal	217	481	5.00 U	0.02 J	0.88 U	0.01 U	0.03 JB	0.03	0.01 U	5.00 U	0.01 U
023384	INEL	Combustible	223	339	15.00 U	0.44 J	32.00	0.10 U	0.10 U	0.11 J	0.21 J	15.00 U	0.11 U
023388	INEL	Heterogeneous	216	330	18.00 U	0.06 U	23.00	0.09 U	0.09 U	0.06 U	0.08 U	18.00 U	0.09 U
023392	INEL	Solidified Inorganics	213	4	43.00 U	0.63 U	80.00	0.89 U	0.61 U	0.72 U	0.57 U	43.00 U	0.57 U
023407	INEL	Solidified Organics	212	3	17.00 U	22.00 U	360.00	31.00 U	3200.0	25.00 U	20.00 U	17.00 U	20.00 U
023460	INEL	Inorganic Non-metal	218	442	17.00 U	0.31 J	5.40	0.04 U	0.19 J	0.12 J	0.24 J	17.00 U	0.45 J
023469	INEL	Solidified Organics	212	3	17.00 U	86.00 E	280.00 E	0.48 U	300.00 E	0.38 U	0.30 U	17.00 U	3.10 J
023492	INEL	Solidified Inorganics	211	7	17.00 U	0.70 U	78.00	0.99 U	0.68 U	0.80 U	0.63 U	17.00 U	0.63 U
023519	INEL	Solidified Organics	212	3	17.00 U	8.80	140.00	3.30 U	640.00	3.70 U	3.40 U	17.00 U	3.40 U
023535	INEL	Solidified Inorganics	211	7	17.00 U	0.93 U	180.00	0.87 U	0.96 U	0.96 U	0.88 U	17.00 U	0.88 U
023552	INEL	Solidified Inorganics	211	1	17.00 U	0.78 U	100.00	1.10 U	0.76 U	0.90 U	0.71 U	17.00 U	0.71 U
023662	INEL	Inorganic Non-metal	218	442	17.00 U	0.73 J	16.00	0.13 U	0.38 J	0.11 J	0.15 J	17.00 U	1.80



**Table 2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
123681	INEL	Solidified Inorganics	211	1	17.00 U	0.34 U	69.00	0.48 U	0.40 J	0.38 U	0.30 U	17.00 U	33.00
123695	RFETS	Solidified Inorganics	211	2	5.00 U	0.17 U	33.00 J	0.24 U	0.19 J	0.20	0.16 U	5.00 U	1.60 J
123771	RFETS	Heterogeneous	216	330	12.00 J	0.18 U	7.70 J	0.72 J	1.10 JB	4.90	0.16 U	5.00 U	0.23 J
123776	INEL	Heterogeneous	216	330	15.00 U	0.37 U	56.00	0.52 U	0.36 U	0.42 U	0.33 U	15.00 U	10.00
123805	INEL	Uncategorized Metal	217	480	17.00 U	0.23 J	1.20	0.02 U	0.10 J	0.12 J	0.11 J	17.00 U	0.23 J
123827	RFETS	Uncategorized Metal	217	320	5.00 U	0.11	1.40 J	0.01 U	0.10 B	0.03	0.05 J	5.00 U	0.01 J
123840	INEL	Combustible	216	337	18.00 U	58.00	76.00	0.33 U	0.32 U	0.21 U	0.29 U	18.00 U	0.34 U
123901	INEL	Heterogeneous	216	330	18.00 U	0.22 U	91.00	0.31 U	0.36 J	0.20 U	0.28 U	18.00 U	19.00
123929	RFETS	Inorganic Non-metal	218	440	0.60 U	0.56 U	42.00 U	32.00	1.80 JB	0.64	0.50 U	5.00 U	0.50 U
123959	INEL	Uncategorized Metal	217	480	17.00 U	1.20 U	170.00	1.80 U	1.20 U	1.40 U	1.10 U	17.00 U	1.10 U
124028	RFETS	Inorganic Non-metal	218	440	5.00 U	0.19 J	21.00 U	0.16 U	1.00 J	0.13	0.10 U	5.00 U	0.11 U
124029	INEL	Uncategorized Metal	217	480	17.00 U	0.01 U	1.20	0.02 U	0.02 U	0.08 J	0.02 U	17.00 U	0.02 U
124058	INEL	Solidified Inorganics	211	1	17.00 U	0.42 U	51.00	0.59 U	0.41 U	0.48 U	0.38 U	17.00 U	22.00
124059	INEL	Solidified Inorganics	214	292	17.00 U	0.17 U	30.00	0.24 U	0.26 J	0.19 U	0.15 U	17.00 U	1.40 J
124088	INEL	Combustible	216	337	15.00 U	0.32 U	48.00 B	0.45 U	0.31 U	0.37 U	0.29 U	15.00 U	2.10 B
124090	INEL	Combustible	216	337	18.00 U	26.00	48.00	30.00	0.47 U	0.31 U	0.44 U	18.00 U	0.61 J
124092	INEL	Combustible	216	337	17.00 U	11.00	180.00	2.00 U	140.00	1.60 U	1.30 U	17.00 U	2.40
124095	INEL	Combustible	216	337	18.00 U	53.00	12.00	0.20 U	0.20 U	0.13 U	0.18 U	18.00 U	1.80
124102	INEL	Combustible	216	337	17.00 U	47.00	65.00	0.68 U	0.46 U	0.54 U	0.43 U	17.00 U	12.00
124106	INEL	Combustible	216	337	15.00 U	53.00	88.00	0.99 U	3.80	0.80 U	0.63 U	15.00 U	20.00
124113	INEL	Combustible	216	337	17.00 U	35.00	29.00	0.30 U	22.00	0.24 U	0.19 U	17.00 U	3.40
124147	INEL	Solidified Inorganics	211	1	17.00 U	0.64 U	86.00	0.91 U	0.62 U	0.74 U	0.58 U	17.00 U	0.58 U
124165	INEL	Combustible	216	337	15.00 U	68.00	48.00	0.70 U	0.48 U	0.56 U	0.45 U	15.00 U	1.60
124168	INEL	Heterogeneous	216	330	17.00 U	0.08 J	3.00	0.04 U	0.09 J	0.56 J	0.05 J	17.00 U	0.32 J
124185	INEL	Salt Waste	224	409	17.00 U	0.03 U	5.60	0.04 U	0.33 J	0.04 U	0.03 U	17.00 U	0.04 J

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
(all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
024254	INEL	Salt Waste	224	414	17.00 U	0.05 U	5.00	0.07 U	0.20 J	0.05 U	0.04 U	17.00 U	1.70
024271	INEL	Inorganic Non-metal	218	442	17.00 U	0.09 U	21.00 E	0.13 U	0.31 J	0.12 J	0.08 U	17.00 U	3.10
024273	INEL	Inorganic Non-metal	218	442	17.00 U	0.18 U	33.00	0.26 U	0.44 J	0.21 U	0.16 U	17.00 U	4.50
024289	RFETS	Inorganic Non-metal	218	440	5.00 U	0.33 U	61.00	76.00	0.58 J	0.38	0.41 J	5.00 U	18.00
024295	INEL	Salt Waste	224	414	17.00 U	0.09 U	7.50	0.13 U	0.28 J	0.11 U	0.08 U	17.00 U	12.00
024308	INEL	Solidified Inorganics	211	2	17.00 U	0.14 U	16.00	0.20 U	0.47 J	0.16 U	0.13 U	17.00 U	8.40
024309	INEL	Solidified Inorganics	211	2	17.00 U	0.11 U	14.00	0.16 U	0.28 J	0.13 U	0.10 U	17.00 U	6.10
024311	INEL	Solidified Inorganics	211	2	41.00 U	0.23 U	18.00	0.32 U	0.30 J	0.26 U	0.20 U	41.00 U	6.60
024318	INEL	Solidified Inorganics	211	2	17.00 U	0.23 U	27.00	0.32 U	0.48 J	0.26 U	0.20 U	17.00 U	16.00
024506	INEL	Inorganic Non-metal	122	374	17.00 U	0.06 U	0.12 J	0.08 U	0.12 J	0.06 U	0.05 U	17.00 U	0.05 U
024507	INEL	Uncategorized Metal	117	480	17.00 U	0.07 U	0.68 J	0.47 J	0.16 J	0.08 U	0.06 U	17.00 U	0.06 U
024600	INEL	Uncategorized Metal	217	480	17.00 U	0.25 U	42.00	0.36 U	0.56 J	0.29 U	0.23 U	17.00 U	14.00
024638	INEL	Heterogeneous	216	330	15.00 U	0.12 U	24.00	0.18 U	0.12 U	0.14 U	0.11 U	15.00 U	10.00
024670	INEL	Solidified Inorganics	211	1	17.00 U	0.50 U	63.00	0.71 U	0.54 J	0.58 U	0.46 U	17.00 U	0.46 U
024765	INEL	Uncategorized Metal	217	480	17.00 U	0.04 U	14.00	0.05 U	0.05 U	0.03 U	0.04 U	17.00 U	0.05 U
024786	INEL	Uncategorized Metal	217	480	17.00 U	0.34 U	56.00	0.48 U	0.32 U	0.38 U	0.30 U	17.00 U	0.30 U
024850	INEL	Solidified Organics	226	432	17.00 U	0.09 U	17.00	0.13 U	0.21 J	5.10	0.08 U	17.00 U	0.51 J
024884	INEL	Uncategorized Metal	217	480	17.00 U	0.49 J	30.00	0.32 U	29.00	0.26 U	0.20 U	17.00 U	7.40
024897	INEL	Solidified Inorganics	211	1	17.00 U	0.22 U	23.00	0.32 U	0.27 J	0.26 U	0.20 U	17.00 U	7.60
024920	INEL	Solidified Inorganics	211	1	17.00 U	0.64 U	81.00	0.91 U	0.62 U	0.74 U	0.58 U	17.00 U	36.00
024991	INEL	Solidified Inorganics	211	1	17.00 U	0.31 U	35.00	0.44 U	0.68 J	0.35 U	0.28 U	17.00 U	16.00
025001	INEL	Solidified Organics	212	3	17.00 U	1.10 U	140.00	1.60 U	1.10 U	1.30 U	1.00 U	17.00 U	47.00
032284	INEL	Combustible	223	339	17.00 U	1.10	97.00	0.33 U	0.32 U	0.33 J	0.62 J	17.00 U	0.34 U
032287	RFETS	Solidified Inorganics	211	7	5.00 U	1.10 U	1.00 U	1.60 U	1.10 U	1.30	0.99 U	5.00	1.00 U
032467	INEL	Combustible	216	337	17.00 U	0.22 U	38.00	0.32 U	1.00	0.26 U	0.20 U	17.00 U	0.20 U



**Table 4-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
032469	RFETS	Combustible	216	337	5.00 U	0.36 U	51.00 U	48.00	0.35 U	0.42	0.33 U	5.00 U	0.33 U
032473	INEL	Combustible	216	337	15.00 U	26.00	200.00 B	2.10 U	1.40 U	1.70 U	1.40 U	15.00 U	1.40 U
032485	INEL	Combustible	216	337	15.00 U	19.00	53.00	68.00	0.84 U	1.00 U	0.78 U	15.00 U	0.79 U
032517	RFETS	Combustible	223	339	5.00 U	0.48 J	14.00 J	0.12 U	0.26 JB	0.18	0.29 J	5.00 U	0.10 J
032521	INEL	Combustible	223	339	17.00 U	1.10	14.00	0.07 U	0.10 J	0.31 J	0.51 J	17.00 U	0.10 J
032525	INEL	Combustible	223	339	17.00 U	0.70 J	12.00	0.04 U	0.07 J	0.27 J	0.83 J	17.00 U	0.04 U
032526	INEL	Combustible	223	339	15.00 U	24.00	70.00	0.61 U	130.00	0.38 U	0.55 U	15.00 U	0.63 U
032529	INEL	Heterogeneous	216	336	1.30 U	0.19 U	250.00 E	0.27 U	1.10	0.21 U	0.30 U	1.30 U	0.31 U
032540	INEL	Uncategorized Metal	217	480	17.00 U	0.36 U	60.00	0.52 U	0.35 U	2.70	0.33 U	17.00 U	0.33 U
032632	INEL	Uncategorized Metal	217	480	17.00 U	0.11 U	44.00	0.16 U	0.21 J	0.10 U	0.14 U	17.00 U	0.16 U
032659	RFETS	Uncategorized Metal	217	480	5.00 U	0.29 U	57.00 U	0.41 U	0.16 U	0.33	0.26 U	5.00 U	0.26 U
032669	RFETS	Uncategorized Metal	217	480	5.00 U	0.31 U	61.00 U	0.44 U	0.30 U	0.36	0.28 U	5.00 U	0.28 U
032712	INEL	Uncategorized Metal	217	480	17.00 U	0.27 U	40.00	0.38 U	0.51 J	0.30 U	0.24 U	17.00 U	0.24 U
032715	RFETS	Combustible	216	337	5.00 U	2.20	13.00 J	0.12 U	4.90	0.10	0.08 U	5.00 U	1.00 J
032748	INEL	Combustible	223	339	2.30 J	0.19 U	84.00	0.27 U	1.10	0.21 U	0.30 U	1.30 U	0.31 U
032753	INEL	Uncategorized Metal	217	481	17.00 U	0.03 U	2.80	0.04 U	0.07 J	0.03 U	0.03 U	17.00 U	0.03 U
033091	INEL	Combustible	223	339	17.00 U	0.11 J	2.60	0.02 U	0.03 J	0.60 J	0.05 J	17.00 U	0.02 U
001332	RFETS	Heterogeneous	116	832	7.06 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	9.11 J	0.50 U
006288	RFETS	Filter	119	338	0.50 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.10 U	0.10 U
006339	RFETS	Heterogeneous	0	337	12.73 J	0.28 J	0.20 U	0.20 U	0.20 U	3.45	0.44 J	4.78 J	0.20 U
011129	RFETS	Filter	119	338	0.50 U	0.18 J	0.10 U	0.10 U	0.10 U	0.10 U	0.36 J	1.13 J	0.10 U
013364	RFETS	Uncategorized Metal	117	480	10.47 J	0.78 J	0.27 J	0.18 J	2.45	0.55 J	0.33 J	0.50 U	0.10 U
015680	RFETS	Heterogeneous	116	831	333.33 U	66.67 U	4587.4	66.67 U	66.67 U	66.67 U	66.67 U	733.33 U	66.67 U
017184	RFETS	Solidified Inorganics	111	800	0.90 U	0.10 U	0.32 J	0.39 J	0.23 J	0.83 J	0.10 U	0.50 U	0.10 U
032439	RFETS	Filter	119	338	0.67 J	0.62 J	0.10 U	0.10 U	0.10 U	0.10 U	0.13 J	1.10 U	0.10 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	I-Butanol	Trichloro-ethene
032978	RFETS	Solidified Inorganics	111	803	28.34 U	5.67 U	429.17	5.67 U	5.67 U	5.67 U	5.67 U	62.34 U	5.67 U
035301	RFETS	Solidified Inorganics	111	800	0.90 U	0.10 U	0.10 U	0.10 U	0.10 J	0.10 U	0.10 U	0.50 U	0.10 U
035306	RFETS	Lead/Cadmium Metal	123	339	3.12 J	3.87	0.20 U	0.20 U	0.20 U	14.44	2.43	2.20 U	0.20 U
036606	RFETS	Uncategorized Metal	117	480	2.00 U	0.40 U	1.08 J	0.40 U	0.45 J	0.40 U	0.40 U	4.80 U	0.40 U
038859	RFETS	Solidified Inorganics	111	803	0.90 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.20 J	0.10 U
038989	RFETS	Heterogeneous	0	336	5.78 J	0.10 U	0.10 U	0.10 U	0.14 J	8.13	0.10 U	1.10 U	0.10 U
041681	RFETS	Filter	119	338	3.58 J	0.47 J	0.10 U	0.10 U	0.10 U	0.52 J	0.12 J	1.10 U	0.10 U
042280	RFETS	Solidified Organics	112	801	2083.3 U	1017.9 J	24947	416.67 U	30767	416.67 U	416.67 U	4583.3 U	416.67 U
047501	RFETS	Lead/Cadmium Metal	0	341	4.50 J	0.10 U	0.10 U	0.10 U	0.10 U	0.48 J	0.10 U	1.10 U	0.10 U
048182	RFETS	Filter	119	376	3.60 U	0.40 U	0.40 U	1.83 J	0.40 U	0.40 U	0.40 U	2.00 U	0.40 U
048200	RFETS	Heterogeneous	116	831	72.00 U	8.00 U	349.15	8.00 U	8.00 U	8.00 U	8.00 U	98.30 J	8.00 U
048377	RFETS	Inorganic Non-metal	118	368	0.90 U	0.10 U	0.10 U	0.10 U	0.10 U	0.15 J	0.10 U	0.87 J	0.10 U
049662	RFETS	Solidified Inorganics	0	292	0.50 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.10 U	0.10 U
049880	RFETS	Heterogeneous	0	336	9.09 J	0.28 J	0.27 U	0.27 U	0.27 U	39.84	0.27 U	2.94 U	0.27 U
052318	RFETS	Lead/Cadmium Metal	117	321	0.61 J	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.10 U	0.10 U
052362	RFETS	Heterogeneous	116	821	1.80 U	0.20 U	2.01	1.05 J	0.31 J	0.20 U	0.20 U	1.00 U	0.20 U
052726	RFETS	Heterogeneous	116	833	4.00 U	0.80 U	62.32	2.02 J	0.80 J	0.80 U	0.80 U	8.80 U	21.12
053672	RFETS	Inorganic Non-metal	118	440	2.93 J	0.20 U	0.36 J	0.53 J	0.25 J	0.20 U	0.20 U	1.00 U	0.20 U
055656	RFETS	Heterogeneous	116	831	3.25 J	0.30 U	0.31 J	0.30 U	0.33 J	0.30 U	0.30 U	1.50 U	0.30 U
055680	RFETS	Heterogeneous	116	821	1.80 U	0.20 U	0.32 J	0.20 J	0.55 J	0.20 U	0.20 U	1.00 U	0.20 U
055938	RFETS	Heterogeneous	116	831	1.80 U	0.20 U	0.68 J	0.40 U	0.24 J	0.20 U	0.20 U	1.00 U	0.20 U
056095	RFETS	Heterogeneous	0	337	0.50 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.10 U	0.10 U
056595	RFETS	Heterogeneous	116	831	66.67 U	13.33 U	13.33 U	13.33 U	13.33 U	13.33 U	13.33 U	146.66 U	13.33 U
056755	RFETS	Heterogeneous	116	821	0.90 U	0.10 U	0.32 J	0.11 J	0.52 J	0.10 U	0.10 U	0.50 U	0.10 U
056823	RFETS	Heterogeneous	116	831	3.60 U	0.40 U	3.96 J	0.99 J	1.50 J	0.40 U	0.40 U	2.00 U	0.40 U

Table 4-4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

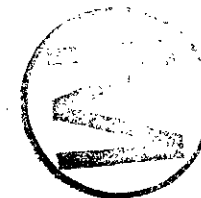
Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
057179	RFETS	Heterogeneous	0	330	10.00 U	2.00 U	108.25	2.00 U	2.00 U	2.00 U	2.00 U	30.93 J	2.00 U
057522	RFETS	Heterogeneous	0	336	2.00 U	0.40 U	0.40 U	0.40 U	0.40 U	1.06 J	0.40 U	4.40 U	0.40 U
057847	RFETS	Uncategorized Metal	117	480	2.00 U	0.40 U	0.40 U	0.86 J	0.40 U	0.74 J	0.40 U	4.80 U	0.40 U
058143	RFETS	Solidified Inorganics	111	807	0.90 U	0.10 U	0.10 U	0.88 J	0.21 J	0.10 U	0.10 U	0.50 U	0.10 U
058154	RFETS	Heterogeneous	116	831	5.55 J	0.73 J	0.76 J	4.52	0.61 J	3.10 J	0.40 U	4.40 U	0.40 U
058627	RFETS	Heterogeneous	116	831	1.00 U	0.20 U	0.51 J	0.20 U	0.20 U	0.20 U	0.20 U	2.20 U	0.20 U
058889	RFETS	Heterogeneous	116	831	1.00 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	2.40 U	0.20 U
058970	RFETS	Solidified Inorganics	111	807	0.90 U	0.10 U	0.43 J	0.57 J	0.69 J	0.10 U	0.10 U	0.51 J	0.10 U
059053	RFETS	Lead/Cadmium Metal	0	341	2.26 J	1.17	0.10 U	0.10 U	0.10 U	1.59	0.92 J	1.10 U	0.10 U
059703	RFETS	Heterogeneous	116	831	12.74 J	0.50 U	0.52 J	1.91 J	0.50 U	0.77 J	0.50 U	6.00 U	0.50 U
059899	RFETS	Filter	0	331	6.81 Ja	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	6.00 U	0.50 U
060056	RFETS	Lead/Cadmium Metal	0	341	2.57 J	1.94 J	0.27 U	0.27 U	0.27 U	3.53	2.10 J	2.94 U	0.27 U
060218	RFETS	Heterogeneous	116	821	1.80 U	0.20 U	0.23 J	0.29 J	0.35 J	0.20 U	0.20 U	2.21 J	0.20 U
060298	RFETS	Solidified Organics	112	801	5160.0 U	573.33 U	12909	573.33 U	16369	573.33 U	573.33 U	4036.8 J	573.33 U
060320	RFETS	Heterogeneous	0	330	166.35 J	68.40 J	28.00 U	28.00 U	1265.6	28.00 U	28.00 U	475.47 J	28.00 U
060463	RFETS	Inorganic Non-metal	118	440	0.90 U	0.14 J	0.10 U	0.26 J	0.10 J	0.12 J	0.10 U	2.21 J	0.10 U
060511	RFETS	Filter	119	491	2.09 J	0.20 U	9.99	0.47 J	0.20 U	0.20 U	0.20 U	1.13 J	0.20 U
060635	RFETS	Filter	119	491	0.90 U	0.10 U	1.37	0.28 J	0.10 U	0.10 U	0.10 U	0.50 U	0.10 U
061245	RFETS	Heterogeneous	0	336	16.09 J	0.47 U	0.47 U	0.47 U	0.47 U	5.02	0.47 U	18.25 J	0.47 U
061278	RFETS	Heterogeneous	0	336	2.96 J	4.74	0.27 U	0.27 U	0.48 J	22.81	1.12 J	2.94 U	0.27 U
061473	RFETS	Heterogeneous	0	377	2.70 U	0.30 U	0.30 U	0.66 J	0.30 U	0.34 J	0.30 U	1.50 U	0.30 U
061504	RFETS	Lead/Cadmium Metal	0	341	4.83 J	1.47	0.10 U	0.10 U	0.10 U	5.11	0.77 J	9.60 J	0.10 U
061747	RFETS	Heterogeneous	0	330	7.76 J	0.27 U	0.27 U	0.27 U	0.27 U	12.64	0.40 J	7.81 J	0.27 U
062340	RFETS	Heterogeneous	116	821	3.60 U	0.40 U	0.49 J	0.40 U	0.40 U	0.40 J	0.40 U	2.00 U	0.40 U
062478	RFETS	Filter	119	376	3.60 U	0.40 U	0.40 U	2.69 J	0.40 U	0.40 U	0.40 U	2.00 U	0.40 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**



Item #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
062714	RFETS	Heterogeneous	116	831	5.00 U	1.00 U	30.09	1.00 U	15.72	1.00 U	1.00 U	12.00 U	1.00 U
062851	RFETS	Heterogeneous	116	825	2.70 U	0.30 U	3.32	1.34 J	0.48 J	0.30 U	0.30 U	1.50 U	0.30 U
062855	RFETS	Heterogeneous	116	821	54.00 U	6.00 U	6.00 U	6.00 U	214.07	6.00 U	6.00 U	30.00 U	6.00 U
063098	RFETS	Filter	0	331	8.26 Ja	0.50 U	0.50 U	0.50 U	0.50 U	0.62 J	0.50 U	6.00 U	0.50 U
063229	RFETS	Heterogeneous	116	831	1.80 U	0.20 U	0.20 J	1.43 J	0.26 J	0.20 U	0.20 U	1.00 U	0.20 U
063281	RFETS	Solidified Inorganics	111	807	0.90 U	0.10 U	0.10 U	0.65 J	0.10 U	0.10 U	0.10 U	0.50 U	0.10 U
063460	RFETS	Heterogeneous	116	831	0.90 U	0.10 U	2.43	1.09	1.36	0.10 J	0.10 U	0.50 U	0.10 U
063654	RFETS	Solidified Inorganics	111	807	0.90 U	0.10 U	0.10 J	0.17 J	0.30 J	0.10 U	0.10 U	0.50 U	0.10 U
063808	RFETS	Heterogeneous	116	831	7.20 U	0.80 U	45.12	2.42 J	1.77 J	0.80 U	0.80 U	4.00 U	0.80 U
063817	RFETS	Heterogeneous	116	821	14.40 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	8.00 U	1.60 U
063819	RFETS	Solidified Inorganics	111	807	1.80 U	0.20 U	1.40 J	0.44 J	2.30	0.20 U	0.20 U	1.00 U	0.20 U
063999	RFETS	Filter	119	491	2.70 U	0.30 U	0.31 J	0.31 J	0.56 J	0.30 U	0.30 U	1.50 U	0.30 U
064004	RFETS	Filter	0	331	5.58 Ja	0.40 U	0.40 U	0.40 U	0.40 U	0.86 Ja	0.40 U	4.80 U	0.40 U
064137	RFETS	Filter	119	335	0.90 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.50 U	0.10 U
064448	RFETS	Heterogeneous	116	821	990.00 U	110.00 U	110.00 U	110.00 U	110.00 U	110.00 U	110.00 U	2110.9 J	110.00 U
064555	RFETS	Solidified Organics	112	801	5160.0 U	573.33 U	904.15 J	573.33 U	18198	573.33 U	573.33 U	2866.6 U	573.33 U
064632	RFETS	Solidified Inorganics	111	800	0.90 U	0.10 U	0.90 J	0.76 J	1.09	0.70 J	0.10 U	0.54 J	0.10 U
064752	RFETS	Uncategorized Metal	117	480	10.00 U	2.00 U	175.17	2.00 U	2.00 U	2.00 U	2.00 U	24.00 U	2.00 U
064758	RFETS	Heterogeneous	116	831	2.50 U	0.59 J	1.52 J	3.67 J	0.78 J	0.86 J	0.50 U	5.50 U	0.50 U
064860	RFETS	Heterogeneous	116	831	60.00 U	12.00 U	681.08	12.00 U	12.00 U	12.00 U	12.00 U	144.00 U	12.00 U
065212	RFETS	Heterogeneous	116	831	45.00 U	9.00 U	664.72	9.00 U	9.00 U	9.00 U	9.00 U	108.00 U	9.00 U
065213	RFETS	Heterogeneous	116	831	40.00 U	8.00 U	394.11	8.00 U	8.00 U	8.00 U	8.00 U	96.00 U	8.00 U
065214	RFETS	Heterogeneous	116	831	663.00 U	73.67 U	4170.2	73.67 U	73.67 U	73.67 U	73.67 U	823.82 J	73.67 U
065530	RFETS	Solidified Inorganics	111	807	0.90 U	0.10 U	12 J	0.33 J	0.10 U	0.14 J	0.10 U	0.50	0.10 U
065535	RFETS	Solidified Inorganics	111	807	0.90 U	0.10 U	0.30 J	0.22 J	0.65 J	0.10 U	0.10 U	0.50 U	0.10 U

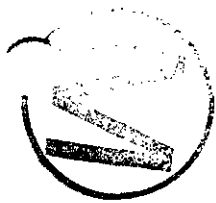
Table 4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
 (all data in ppmv)



Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
D65546	RFETS	Solidified Inorganics	111	807	0.90 U	0.10 U	0.98 J	0.42 J	0.22 J	0.10 J	0.10 U	0.50 U	0.10 U
D65600	RFETS	Solidified Inorganics	111	807	0.90 U	0.10 U	0.14 J	0.76 J	0.10 U	0.10 U	0.10 U	0.50 U	0.10 U
D65731	RFETS	Inorganic Non-metal	122	375	3.60 U	4.11	0.40 U	0.40 J	20.60	0.40 U	0.40 U	6.13 J	0.40 U
D65734	RFETS	Uncategorized Metal	117	480	6.30 U	0.70 U	2.27 J	0.70 U	0.70 U	0.95 J	0.70 U	3.50 U	0.70 U
D65754	RFETS	Heterogeneous	116	831	3.34 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	7.34 U	0.67 U
D65757	RFETS	Heterogeneous	116	831	15.00 U	3.00 U	34.29	3.00 U	133.99	3.00 U	3.00 U	33.55 J	3.00 U
D65972	RFETS	Filter	119	376	2.70 U	0.30 U	1.99 J	2.26 J	2.30 J	0.30 U	0.30 U	6.67 J	0.30 U
D66128	RFETS	Heterogeneous	116	831	2.50 U	0.52 J	1.13 J	1.50 J	21.90	0.50 U	0.50 U	7.66 J	0.50 U
D66157	RFETS	Uncategorized Metal	117	480	18.75 J	2.00 U	2.00 U	6.63 J	2.00 U	2.00 U	2.00 U	189.97 J	2.00 U
D66162	RFETS	Lead/Cadmium Metal	123	339	810.00 U	90.00 U	5612.3	90.00 U	413.64 J	90.00 U	90.00 U	450.00 U	90.00 U
D66211	RFETS	Heterogeneous	116	833	0.90 U	0.10 U	0.19 J	0.10 U	0.38 J	0.10 U	0.10 U	0.50 U	0.10 U
D66213	RFETS	Heterogeneous	116	831	1.50 U	0.30 U	23.08	5.20	10.07	0.30 U	0.30 U	3.30 U	0.70 J
D66356	RFETS	Heterogeneous	116	831	833.33 U	166.67 U	10386	166.67 U	166.67 U	166.67 U	166.67 U	1833.3 U	166.67 U
D66378	RFETS	Heterogeneous	116	831	960.00 U	192.00 U	9184.5	192.00 U	192.00 U	192.00 U	192.00 U	2304.0 U	192.00 U
D66438	RFETS	Uncategorized Metal	117	480	14.40 U	54.53	1.60 U	1.60 U	25.18	1.60 U	1.60 U	8.00 U	1.60 U
D66523	RFETS	Solidified Organics	112	801	5160.0 U	573.33 U	12516	573.33 U	19219	573.33 U	573.33 U	2866.6 U	573.33 U
D66525	RFETS	Solidified Inorganics	111	800	1.33 U	0.27 U	1.26 J	1.22 J	0.27 U	0.45 J	0.27 U	3.20 U	0.43 J
D66631	RFETS	Heterogeneous	116	831	4.50 U	0.50 U	4.86 J	0.50 U	4.48 J	0.50 U	0.50 U	5.87 J	0.50 U
D66637	RFETS	Heterogeneous	116	831	40.00 U	8.00 U	403.75	8.00 U	8.00 U	8.00 U	8.00 U	96.00 U	8.00 U
D66641	RFETS	Heterogeneous	116	831	540.00 U	60.00 U	4144.3	60.00 U	60.00 U	60.00 U	60.00 U	300.00 U	60.00 U
D66649	RFETS	Lead/Cadmium Metal	123	339	504.00 U	56.00 U	1594.3	56.00 U	2006.3	56.00 U	56.00 U	280.00 U	56.00 U
D66773	RFETS	Uncategorized Metal	117	480	2.70 U	0.30 U	0.30 U	0.30 U	0.30 U	1.63 J	0.30 U	1.50 U	0.30 U
D66783	RFETS	Heterogeneous	116	831	2250.0 U	250.00 U	14569	250.00 U	250.00 U	250.00 U	250.00 U	1250.0 U	250.00 U
D66792	RFETS	Heterogeneous	116	831	900.00 U	100.00 U	6432.5	100.00 U	100.00 U	100.00 U	100.00 U	500.00 U	100.00 U
D66860	RFETS	Heterogeneous	116	833	1.80 U	0.22 J	0.20 U	0.86 J	0.25 J	0.71 J	0.20 U	2.35 J	0.20 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Item #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Trichloroethane	Cyclohexane	Carbon Tetrachloride	Benzene	1,2-Dichloroethane	1-Butanol	Trichloroethene
D66875	RFETS	Heterogeneous	116	832	0.90 U	0.10 U	0.10 U	1.38	0.33 J	0.10 U	0.10 U	1.64 J	0.10 U
D66948	RFETS	Heterogeneous	116	831	54.00 U	6.00 U	348.67	6.00 U	6.00 U	6.00 U	6.00 U	38.93 J	6.00 U
D66949	RFETS	Heterogeneous	116	831	5.40 U	0.60 U	36.09	0.60 U	3.54 J	0.60 U	0.60 U	7.95 J	0.60 U
D66953	RFETS	Uncategorized Metal	117	480	8.00 U	1.60 U	117.31	1.60 U	1.60 U	1.60 U	1.60 U	19.20 U	1.60 U
D66958	RFETS	Heterogeneous	116	831	2.70 U	0.30 U	1.23 J	0.30 U	4.06	0.30 U	0.30 U	4.27 J	0.30 U
D67009	RFETS	Solidified Organics	112	801	3060.0 U	340.00 U	3392.8	340.00 U	12288	340.00 U	340.00 U	1700.0 U	340.00 U
D67012	RFETS	Solidified Organics	112	801	8100.0 U	900.00 U	8430.3 J	900.00 U	34118	900.00 U	900.00 U	4500.0 U	900.00 U
D67047	RFETS	Solidified Inorganics	111	807	1.80 U	0.20 U	0.20 U	0.70 J	0.20 U	0.20 U	0.20 U	6.60 J	0.20 U
D67251	RFETS	Uncategorized Metal	117	480	6000.0 U	1200.0 U	1686.5 J	1200.0 U	1200.0 U	1200.0 U	1200.0 U	14400 U	1821.1 J
D67263	RFETS	Heterogeneous	116	831	81.00 U	9.00 U	481.60	9.00 U	9.00 U	9.00 U	9.00 U	45.00 U	9.00 U
D67277	RFETS	Heterogeneous	116	831	126.00 U	14.00 U	45.18 J	14.00 U	1170.2	14.00 U	14.00 U	70.00 U	14.00 U
D67278	RFETS	Heterogeneous	116	831	0.90 U	0.10 U	0.10 U	0.10 U	0.26 J	0.10 U	0.10 U	0.50 U	0.10 U
D67312	RFETS	Heterogeneous	116	825	1.80 U	0.20 U	0.20 U	0.20 U	0.27 J	0.20 U	0.20 U	1.00 U	0.20 U
D67317	RFETS	Uncategorized Metal	117	480	1.44 J	0.27 U	0.27 U	0.27 U	1.00 J	2.03 J	0.27 U	3.20 U	0.27 U
D67390	RFETS	Solidified Organics	112	801	1170.0 U	194.61 J	916.24 J	130.00 U	4459.1	130.00 U	130.00 U	650.00 U	130.00 U
D67391	RFETS	Heterogeneous	116	833	3.30 J	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	2.93 U	0.27 U
D67413	RFETS	Solidified Organics	112	801	6750.0 U	750.00 U	18543	750.00 U	27354	750.00 U	750.00 U	6834.0 J	750.00 U
D67434	RFETS	Solidified Inorganics	111	800	2.00 U	0.40 U	0.40 U	0.86 J	0.40 U	0.64 J	0.40 U	4.80 U	0.40 U
D67436	RFETS	Solidified Inorganics	111	800	0.67 U	0.13 U	0.28 J	0.76 J	0.13 U	0.42 J	0.13 U	2.25 J	0.13 U
D67441	RFETS	Solidified Inorganics	111	800	2.00 U	0.40 U	1.80 J	0.40 U	0.40 U	0.40 U	0.40 U	4.80 U	0.73 J
D67448	RFETS	Heterogeneous	116	852	0.90 U	0.10 U	0.56 J	0.10 U	0.10 U	0.10 U	0.10 U	0.88 J	0.10 U
D67455	RFETS	Filter	119	490	7.08 J	0.40 U	0.40 U	0.40 U	0.40 U	6.90	0.40 U	2.00 U	0.40 U
D67464	RFETS	Heterogeneous	116	831	2160.0 U	240.00 U	14009	240.00 U	240.00 U	240.00 U	240.00 U	1200.0 U	240.00 U
D67524	RFETS	Heterogeneous	116	832	167.34 U	33.34 J	18.59 U	18.59 U	887.74	18.59 U	18.59 U	266.96 J	18.59 U
D67532	RFETS	Lead/Cadmium Metal	123	339	56.70 U	6.30 U	1.31	6.30 U	6.30 U	6.30 U	6.30 U	62.62	6.30 U



**Table -4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-DI-chloro-ethane	1-Butanol	Trichloro-ethene
D67535	RFETS	Heterogeneous	116	831	1.00 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	2.40 U	0.20 U
D67539	RFETS	Solidified Organics	112	801	2880.0 U	320.00 U	4071.6	320.00 U	12796	320.00 U	320.00 U	1600.0 U	320.00 U
D67541	RFETS	Heterogeneous	116	825	0.90 U	0.10 U	0.10 U	0.33 J	0.26 J	0.10 U	0.10 U	0.54 J	0.10 U
D67545	RFETS	Solidified Organics	112	801	810.00 U	147.15 J	731.16 J	90.00 U	2836.4	90.00 U	90.00 U	450.00 U	90.00 U
D67567	RFETS	Heterogeneous	116	831	5.62 J	0.30 U	0.31 J	1.91 J	0.30 U	1.75 J	0.30 U	1.50 U	0.30 U
D67582	RFETS	Heterogeneous	116	831	9.56 J	0.40 U	3.04 J	2.22 J	8.78	0.40 U	0.40 U	54.34 J	0.40 U
D67603	RFETS	Uncategorized Metal	117	480	117.00 U	13.00 U	912.67	13.00 U	13.00 U	13.00 U	13.00 U	251.28 J	13.00 U
D67654	RFETS	Solidified Inorganics	111	800	1.33 U	0.27 U	0.56 J	1.15 J	0.27 U	0.38 J	0.27 U	3.20 U	0.27 U
D67657	RFETS	Solidified Inorganics	111	800	1.33 U	0.27 U	0.46 J	1.43 J	0.27 U	0.40 J	0.27 U	3.20 U	0.27 U
D67678	RFETS	Heterogeneous	116	825	3.87 U	0.43 U	2.30 J	19.19	0.55 J	1.61 J	0.43 U	2.15 U	0.43 U
D67698	RFETS	Heterogeneous	116	831	8.00 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	17.60 U	1.60 U
D67707	RFETS	Heterogeneous	116	831	2.50 U	0.94 J	0.50 U	0.50 U	36.34	0.50 U	0.50 U	5.50 U	0.50 U
D67734	RFETS	Heterogeneous	116	831	990.00 U	110.00 U	7283.8	110.00 U	110.00 U	110.00 U	110.00 U	550.00 U	110.00 U
D67735	RFETS	Uncategorized Metal	117	480	16.20 U	1.80 U	130.61	1.80 U	1.80 U	1.80 U	1.80 U	9.00 U	1.80 U
D67759	RFETS	Heterogeneous	116	831	25.20 U	2.80 U	2.80 U	2.80 U	2.80 U	2.80 U	2.80 U	14.00 U	2.80 U
D67764	RFETS	Heterogeneous	116	831	10.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	22.00 U	2.00 U
D67766	RFETS	Heterogeneous	116	831	7.50 U	1.50 U	1.50 U	1.50 U	1.50 U	3.46 J	1.50 U	16.50 U	1.50 U
D67781	RFETS	Heterogeneous	116	831	2.70 U	0.30 U	0.52 J	1.94 J	0.30 U	0.55 J	0.30 U	2.15 J	0.30 U
D67908	RFETS	Heterogeneous	116	832	0.90 U	0.10 U	2.49	0.10 U	0.22 J	0.10 U	0.10 U	2.28 J	0.10 U
D67929	RFETS	Heterogeneous	116	832	0.50 U	0.10 U	0.20 J	0.81 J	0.13 J	0.10 U	0.10 U	1.10 U	0.10 U
D67989	RFETS	Heterogeneous	116	831	4.50 U	0.76 J	11.24	0.50 U	43.36	0.50 U	0.50 U	2.50 U	0.50 U
D67994	RFETS	Heterogeneous	116	831	13.34 U	2.67 U	29.48	2.67 U	164.99	2.67 U	2.67 U	29.34 U	2.67 U
D68044	RFETS	Heterogeneous	116	825	4.50 U	0.50 U	0.50 U	12.13	0.50 U	0.52 J	0.50 U	2.50 U	0.50 U
D68096	RFETS	Heterogeneous	116	821	2.46 J	0.20 U	0.37 J	0.60 J	0.61 J	0.28 J	0.20 U	1.00 U	0.20 U
D68247	RFETS	Solidified Inorganics	111	800	0.67 U	0.13 U	0.32 J	0.13 U	0.13 U	0.25 J	0.13 U	1.60 U	0.13 U

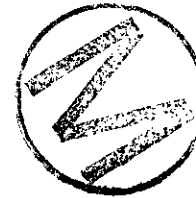


**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Item #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
68248	RFETS	Solidified Organics	112	801	1350.0 U	150.00 U	2762.7	150.00 U	6364.6	150.00 U	150.00 U	750.00 U	150.00 U
68250	RFETS	Solidified Organics	112	801	1530.0 U	170.00 U	2796.8	170.00 U	6225.7	170.00 U	170.00 U	850.00 U	170.00 U
68254	RFETS	Solidified Inorganics	111	800	1.33 U	0.27 U	0.68 J	0.66 J	0.27 U	0.35 J	0.27 U	3.20 U	0.41 J
68256	RFETS	Solidified Inorganics	111	800	2.00 U	0.40 U	1.83 J	1.32 J	0.40 U	0.55 J	0.40 U	4.80 U	0.68 J
68276	RFETS	Heterogeneous	116	852	0.90 U	0.10 U	0.50 J	0.37 J	0.10 U	0.10 U	0.10 U	0.50 U	0.10 U
68277	RFETS	Uncategorized Metal	117	480	4.50 U	0.50 U	1.97 J	0.98 J	37.08	0.50 U	0.50 U	3.38 J	0.50 U
68377	RFETS	Uncategorized Metal	117	480	1.00 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	2.40 U	0.20 U
68460	RFETS	Heterogeneous	116	832	0.50 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.10 U	0.10 U
68480	RFETS	Solidified Inorganics	111	800	0.50 J	0.10 U	0.13 J	0.17 J	0.10 U	0.26 J	0.10 U	2.36 J	0.10 U
68486	RFETS	Solidified Organics	112	801	1260.0 U	206.92 J	8439.3	140.00 U	4240.3	140.00 U	140.00 U	831.18 J	140.00 U
68514	RFETS	Uncategorized Metal	117	480	1.11 J	0.10 U	0.10 U	0.70 J	0.10 U	0.10 U	0.10 U	0.50 U	0.10 U
68538	RFETS	Lead/Cadmium Metal	123	339	0.50 U	0.10 U	0.16 J	0.12 J	0.10 U	0.10 U	0.10 U	1.20 U	0.10 U
68600	RFETS	Heterogeneous	116	825	162.00 U	18.00 U	18.00 U	1922.1	18.00 U	18.00 U	18.00 U	90.00 U	18.00 U
68601	RFETS	Heterogeneous	116	825	63.00 U	7.00 U	7.00 U	745.07	7.00 U	7.00 U	7.00 U	35.00 U	7.00 U
68702	RFETS	Heterogeneous	116	833	0.90 U	0.10 U	0.10 U	0.17 J	0.13 J	0.10 U	0.10 U	0.50 U	0.10 U
68724	RFETS	Heterogeneous	116	831	1620.0 U	180.00 U	10740	180.00 U	180.00 U	180.00 U	180.00 U	900.00 U	180.00 U
68756	RFETS	Heterogeneous	116	831	1.37 J	0.20 U	0.20 U	1.06 J	0.20 U	0.20 U	0.20 U	2.40 U	0.20 U
68885	RFETS	Heterogeneous	116	831	360.00 U	40.00 U	2205.7	40.00 U	334.76 J	40.00 U	40.00 U	200.00 U	40.00 U
68896	RFETS	Heterogeneous	116	831	1917.0 U	213.00 U	4021.8	213.00 U	213.00 U	213.00 U	213.00 U	1065.0 U	213.00 U
68975	RFETS	Solidified Organics	112	801	4860.0 U	540.00 U	13431	540.00 U	15676	540.00 U	540.00 U	2700.0 U	540.00 U
68999	RFETS	Heterogeneous	116	821	3.60 U	0.40 U	0.67 J	2.00 J	0.60 J	0.50 J	0.40 U	2.00 U	0.40 U
69091	RFETS	Heterogeneous	116	825	4.50 U	0.50 U	0.50 U	3.56 J	0.50 U	0.50 U	0.50 U	2.50 U	0.50 U
69095	RFETS	Heterogeneous	116	833	4.86 U	0.54 U	0.54 U	32.79	0.54 U	0.54 U	0.54 U	2.70 U	0.54 U
69113	RFETS	Heterogeneous	116	831	432.00 U	48.00 U	0	48.00 U	48.00 U	48.00 U	48.00 U	240.00 U	48.00 U
69250	RFETS	Heterogeneous	116	833	0.90 U	0.10 U	0.47 J	0.67 J	0.24 J	0.10 U	0.10 U	0.50 U	0.10 U



**Table 4-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)



Item #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
069287	RFETS	Heterogeneous	116	821	1242.0 U	138.00 U	8372.6	138.00 U	138.00 U	138.00 U	138.00 U	690.00 U	138.00 U
069306	RFETS	Solidified Organics	112	801	2250.0 U	250.00 U	13804	250.00 U	6213.5	250.00 U	250.00 U	1250.0 U	250.00 U
069312	RFETS	Solidified Inorganics	111	800	2.00 U	0.40 U	1.11 J	1.39 J	0.40 U	0.57 J	0.40 U	4.80 U	0.69 J
069364	RFETS	Heterogeneous	116	833	2.70 U	0.30 U	0.30 U	3.20	0.30 U	0.42 J	0.30 U	1.95 J	0.30 U
069400	RFETS	Heterogeneous	116	831	333.00 U	37.00 U	2679.9	37.00 U	37.00 U	37.00 U	37.00 U	185.00 U	37.00 U
069406	RFETS	Heterogeneous	116	831	450.00 U	50.00 U	3750.4	50.00 U	50.00 U	50.00 U	50.00 U	250.00 U	50.00 U
069413	RFETS	Heterogeneous	116	831	5.40 U	0.60 U	15.20	0.60 U	0.60 U	0.60 U	0.60 U	3.00 U	0.60 U
069418	RFETS	Heterogeneous	116	831	660.60 U	73.40 U	4816.7	73.40 U	73.40 U	73.40 U	73.40 U	699.21 J	73.40 U
069431	RFETS	Heterogeneous	116	831	266.67 U	53.33 U	4070.6	53.33 U	53.33 U	53.33 U	53.33 U	586.66 U	53.33 U
069518	RFETS	Heterogeneous	116	833	1.80 U	0.20 U	0.36 J	2.40	0.28 J	0.20 U	0.20 U	1.00 U	0.20 U
069602	RFETS	Heterogeneous	116	821	9.00 U	1.00 U	1.00 U	3.40 J	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U
069759	RFETS	Heterogeneous	116	833	2.70 U	0.30 U	20.43	2.40 J	0.34 J	0.30 U	0.30 U	1.53 J	7.59
069855	RFETS	Heterogeneous	116	833	1.80 U	0.20 U	1.01 J	8.75	0.74 J	0.28 J	0.20 U	1.00 U	0.20 U
069877	RFETS	Heterogeneous	116	825	4.50 U	0.50 U	0.53 J	1.79 J	0.50 U	0.50 U	0.50 U	2.50 U	0.50 U
069883	RFETS	Heterogeneous	116	825	2.70 U	0.30 U	0.95 J	0.30 U	0.51 J	1.72 J	0.30 U	1.50 U	0.30 U
069975	RFETS	Heterogeneous	116	821	6.30 U	0.70 U	4.64 J	4.42 J	0.81 J	0.70 U	0.70 U	3.50 U	0.70 U
070063	RFETS	Heterogeneous	116	821	4.59 U	0.57 J	0.51 U	2.00 J	7.12	0.51 U	0.51 U	2.55 U	0.51 U
070077	RFETS	Heterogeneous	116	831	540.00 U	60.00 U	3533.4	60.00 U	60.00 U	60.00 U	60.00 U	300.00 U	60.00 U
070229	RFETS	Heterogeneous	116	831	1.80 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.00 U	0.20 U
070353	RFETS	Heterogeneous	116	833	1.80 U	0.20 U	0.20 J	1.94 J	0.65 J	0.20 U	0.20 U	5.36 J	0.20 U
070370	RFETS	Heterogeneous	116	821	2.70 U	0.30 U	0.52 J	0.92 J	0.58 J	0.30 U	0.30 U	1.50 U	0.30 U
070379	RFETS	Heterogeneous	116	833	0.90 U	0.10 U	0.48 J	0.10 U	0.33 J	0.10 U	0.10 U	0.50 U	0.10 U
070383	RFETS	Heterogeneous	116	833	1.80 U	0.20 U	0.20 U	1.78 J	0.20 U	0.20 U	0.20 U	1.00 U	0.20 U
070446	RFETS	Uncategorized Metal	117	480	5.00 U	5.85 J	1.00 U	1.00 U	58.86	1.00 U	1.00 U	12.00 U	1.00 U
070448	RFETS	Heterogeneous	116	831	1350.0 U	150.00 U	8313.3	150.00 U	150.00 U	150.00 U	150.00 U	750.00 U	150.00 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
D70455	RFETS	Heterogeneous	116	831	6.30 U	5.12 J	0.70 U	4.62 J	11.69	0.70 U	0.70 U	3.50 U	0.70 U
D70543	RFETS	Solidified Organics	112	801	7452.0 U	828.00 U	55410	828.00 U	62380	828.00 U	828.00 U	4140.0 U	828.00 U
D70661	RFETS	Filter	0	331	3.17 J	0.60 U	0.76 J	0.60 U	0.60 U	0.60 U	0.60 U	6.60 U	0.60 U
D70669	RFETS	Uncategorized Metal	117	480	0.90 U	0.10 U	0.10 U	0.10 U	0.13 J	0.10 U	0.10 U	0.54 J	0.10 U
D70675	RFETS	Solidified Organics	112	801	0.99 J	0.10 U	6.31	0.69 J	1.29	0.45 J	0.10 U	1.85 J	8.47
D70682	RFETS	Heterogeneous	116	831	405.00 U	45.00 U	2682.6	45.00 U	45.00 U	45.00 U	45.00 U	225.00 U	45.00 U
D70696	RFETS	Heterogeneous	116	821	5.40 U	0.60 U	0.60 U	3.33 J	0.60 U	0.60 U	0.60 U	3.00 U	0.60 U
D70734	RFETS	Heterogeneous	116	833	0.57 J	0.10 U	0.14 J	0.10 U	0.14 J	0.10 U	0.10 U	1.10 U	0.10 U
D70780	RFETS	Heterogeneous	116	832	0.50 U	0.10 U	0.10 U	0.10 U	0.13 J	0.10 U	0.10 U	1.10 U	0.10 U
D70856	RFETS	Heterogeneous	116	833	0.90 U	0.10 U	0.21 J	0.52 J	0.23 J	1.21	0.10 U	0.94 J	0.10 U
D70882	RFETS	Heterogeneous	116	831	126.00 U	14.00 U	1277.8	14.00 U	14.00 U	14.00 U	14.00 U	70.00 U	14.00 U
D70937	RFETS	Filter	0	331	5.08 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.50 U	0.50 U
D71019	RFETS	Solidified Organics	112	801	11.70 U	1.30 U	21.30	1.30 U	1.32 J	1.30 U	1.30 U	6.50 U	97.64
D71020	RFETS	Solidified Organics	112	801	9988.2 J	911.50 U	44413	911.50 U	61914	911.50 U	911.50 U	32467 J	911.50 U
D71022	RFETS	Solidified Organics	112	801	6000.0 U	1200.0 U	32496	1200.0 U	66727	1200.0 U	1200.0 U	13200 U	1200.0 U
D71241	RFETS	Heterogeneous	116	833	0.50 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.10 U	0.10 U
D71351	RFETS	Uncategorized Metal	117	480	0.67 J	0.18 J	0.10 U	0.10 U	0.20 J	0.10 U	0.10 U	1.20 U	0.10 U
D71354	RFETS	Uncategorized Metal	117	480	0.50 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.20 U	0.10 U
D71385	RFETS	Heterogeneous	116	833	2.70 U	0.30 U	0.30 U	4.10	0.30 U	0.30 U	0.30 U	1.50 U	0.30 U
D71494	RFETS	Solidified Organics	112	801	1.07 J	0.10 U	1.69	0.42 J	0.25 J	0.23 J	0.10 U	3.13 J	10.16
D71504	RFETS	Solidified Organics	112	801	1.80 U	0.20 U	1.91 J	0.20 U	0.20 U	0.20 U	0.20 U	1.00 U	11.44
D71514	RFETS	Heterogeneous	116	833	1.80 U	0.20 U	0.20 U	1.13 J	0.33 J	0.20 U	0.20 U	1.00 U	0.20 U
D71521	RFETS	Heterogeneous	116	825	1.80 U	0.20 U	0.20 U	1.00 J	0.33 J	0.20 U	0.20 U	1.00 U	0.20 U
D71638	RFETS	Uncategorized Metal	117	480	5.00 U	1.02 J	0.00 U	1.00 U	62.96	1.00 U	1.00 U	12.00	1.00 U
D71804	RFETS	Heterogeneous	116	832	0.81 J	0.60 J	0.23 J	0.10 U	0.10 U	2.07	0.70 J	1.20 U	0.10 U



Table 4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	t-Butanol	Trichloro-ethene
D71829	RFETS	Heterogeneous	116	852	1980.0 U	220.00 U	220.00 U	220.00 U	220.00 U	220.00 U	220.00 U	1100.0 U	220.00 U
D71838	RFETS	Heterogeneous	116	831	68.40 U	7.60 U	364.82	7.60 U	7.60 U	7.60 U	7.60 U	50.37 J	7.60 U
D71921	RFETS	Heterogeneous	116	833	0.50 U	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U	52.84 J	0.10 U
D71932	RFETS	Solidified Organics	112	801	39311 U	6023.4 J	85795	4367.9 U	88612	4367.9 U	4367.9 U	21839 U	4367.9 U
D71933	RFETS	Solidified Organics	112	801	0.50 U	0.10 U	2.59	0.10 U	0.89 J	0.10 U	0.10 U	1.10 U	10.21
D71934	RFETS	Solidified Organics	112	801	0.88 J	0.10 U	3.66	0.10 U	2.43	0.10 U	0.10 U	2.53 J	4.17
D71936	RFETS	Heterogeneous	116	833	195.00 U	21.67 U	1264.7	21.67 U	1946.0	21.67 U	21.67 U	108.34 U	21.67 U
D71937	RFETS	Heterogeneous	116	833	166.67 U	33.33 U	1343.4	33.33 U	2458.8	33.33 U	33.33 U	366.66 U	33.33 U
D71938	RFETS	Heterogeneous	116	833	16.20 U	1.80 U	97.42	1.80 U	69.15	1.80 U	1.80 U	9.00 U	1.80 U
D71940	RFETS	Solidified Organics	112	801	9000.0 U	1000.0 U	24298	1000.0 U	67524	1000.0 U	1000.0 U	5000.0 U	1000.0 U
D71941	RFETS	Solidified Organics	112	801	9000.0 U	1000.0 U	36373	1000.0 U	88979	1000.0 U	1000.0 U	6075.0 J	1000.0 U
D72010	RFETS	Heterogeneous	116	832	1.50 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	3.60 U	0.30 U
D72079	RFETS	Uncategorized Metal	117	480	58.50 U	6.50 U	544.22	6.50 U	6.50 U	6.50 U	6.50 U	32.50 U	6.50 U
D72127	RFETS	Solidified Organics	112	801	3.60 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	2.00 U	24.63
D72128	RFETS	Solidified Organics	112	801	3570.0 J	130.00 U	130.00 U	130.00 U	130.00 U	130.00 U	130.00 U	5061.2 J	130.00 U
D72131	RFETS	Heterogeneous	116	833	1.34 U	0.27 U	12.25	0.27 U	0.27 U	0.27 U	0.27 U	2.94 U	19.86
D72132	RFETS	Solidified Organics	112	801	316.85 J	48.00 U	48.00 U	48.00 U	48.00 U	48.00 U	48.00 U	1245.8 J	48.00 U
D72133	RFETS	Solidified Organics	112	801	1.80 U	0.20 U	0.93 J	0.20 U	1.52 J	0.20 U	0.20 U	3.84 J	1.32 J
D72136	RFETS	Solidified Organics	112	801	189.00 U	21.00 U	21.00 U	21.00 U	21.00 U	21.00 U	21.00 U	105.00 U	21.00 J
D72139	RFETS	Solidified Organics	112	801	17.10 U	1.90 U	8.18 J	1.90 U	12.29 J	1.90 U	1.90 U	9.50 U	3.72 J
D72178	RFETS	Heterogeneous	116	821	2.70 U	0.30 U	0.30 U	0.35 J	0.35 J	0.30 U	0.30 U	1.50 U	0.30 U
D72186	RFETS	Heterogeneous	116	821	1.80 U	0.20 U	0.46 J	0.56 J	0.45 J	0.20 U	0.20 U	1.00 U	0.20 U
D72195	RFETS	Heterogeneous	116	833	0.90 U	0.10 U	3.12	1.68	0.22 J	0.10 U	0.10 U	0.50 U	0.10 U
D72255	RFETS	Heterogeneous	116	833	2.70 U	22.90	0.30 U	0.93 J	0.30 U	0.37 J	0.30 U	1.50 U	0.30 U
D72267	RFETS	Solidified Inorganics	111	800	0.50 U	0.10 U	0.36 J	0.10 U	0.10 U	0.24 J	0.10 U	1.20 U	0.10 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
D72293	RFETS	Heterogeneous	116	833	3.22 J	0.11 J	0.51 J	0.10 U	0.21 J	3.14	0.11 J	0.55 J	0.10 U
D72333	RFETS	Heterogeneous	116	831	2.70 U	0.30 U	0.30 J	1.13 J	0.31 J	0.30 U	0.30 U	1.50 U	0.30 U
D72339	RFETS	Heterogeneous	116	821	4.50 U	0.50 U	0.50 U	0.50 U	0.56 J	0.50 U	0.50 U	2.50 U	0.50 U
D72347	RFETS	Heterogeneous	116	833	0.90 U	0.10 U	0.13 J	15.33	0.23 J	0.10 U	0.10 U	0.50 U	0.10 U
D72375	RFETS	Heterogeneous	116	831	720.00 U	80.00 U	4620.7	80.00 U	80.00 U	80.00 U	80.00 U	400.00 U	80.00 U
D72434	RFETS	Heterogeneous	116	831	1890.0 U	210.00 U	10516	210.00 U	210.00 U	210.00 U	210.00 U	2174.5 J	210.00 U
D72436	RFETS	Uncategorized Metal	117	480	2.00 J	0.30 U	20.40	0.30 U	0.30 U	0.30 U	0.30 U	11.10 J	0.60 J
D72542	RFETS	Heterogeneous	116	832	50.00 U	10.00 U	10.00 U	1394.3	10.00 U	10.00 U	10.00 U	110.00 U	10.00 U
D72545	RFETS	Solidified Inorganics	111	800	0.50 U	0.10 U	0.12 J	0.21 J	0.10 U	0.15 J	0.10 U	1.20 U	0.10 U
D72546	RFETS	Heterogeneous	116	832	75.00 U	15.00 U	15.00 U	1801.2	15.00 U	15.00 U	15.00 U	165.00 U	15.00 U
D72566	RFETS	Solidified Organics	112	801	7.20 U	0.80 U	16.52	0.80 U	0.80 U	0.80 U	0.80 U	4.09 J	57.15
D72598	RFETS	Heterogeneous	116	821	5.40 U	0.60 U	0.60 U	2.29 J	1.16 J	1.70 J	0.60 U	4.14 J	0.60 U
D72618	RFETS	Heterogeneous	116	833	0.90 U	0.10 U	0.17 J	0.22 J	0.30 J	0.10 U	0.10 U	0.50 U	0.10 U
D72619	RFETS	Solidified Organics	112	801	0.90 U	0.10 U	0.99 J	0.10 U	0.23 J	0.10 U	0.10 U	0.83 J	1.75
D72623	RFETS	Solidified Organics	112	801	2.50 U	0.50 U	6.29	0.50 U	0.50 U	0.50 U	0.50 U	5.50 U	26.30
D72631	RFETS	Solidified Organics	112	801	0.90 U	0.10 U	1.79	0.10 U	0.21 J	0.10 U	0.10 U	0.90 J	10.15
D72632	RFETS	Solidified Organics	112	801	0.90 U	0.10 U	1.52	0.10 U	0.24 J	0.10 U	0.10 U	2.95 J	6.93
D72673	RFETS	Heterogeneous	116	833	1.80 U	0.20 U	3.61	1.49 J	5.78	0.23 J	0.20 U	1.00 U	0.20 U
D72819	RFETS	Heterogeneous	116	833	3.60 U	3.26 J	0.82 J	1.89 J	0.49 J	0.47 J	0.40 U	2.00 U	0.40 U
D72822	RFETS	Heterogeneous	116	831	1.34 U	0.27 U	0.27 U	0.27 U	15.11	0.27 J	0.27 U	2.94 U	0.27 U
D72831	RFETS	Uncategorized Metal	117	480	20.00 U	4.00 U	305.00	4.00 U	4.00 U	4.00 U	4.00 U	48.00 U	4.00 U
D72887	RFETS	Heterogeneous	116	833	0.90 U	0.10 U	0.15 J	0.87 J	0.30 J	0.10 U	0.10 U	0.50 U	0.10 U
D72923	RFETS	Heterogeneous	116	833	9.66 J	6.55	0.49 J	0.95 J	0.40 U	0.68 J	0.40 U	42.52 J	0.40 U
D72932	RFETS	Heterogeneous	116	825	2.70 U	0.30 U	0.73 J	5.12	0.46 J	0.30 U	0.30 U	1.50 U	0.30 U
D73054	RFETS	Heterogeneous	0	336	566.67 U	2074.3	113.33 U	113.33 U	5153.2	113.33 U	113.33 U	1580.3 J	113.33 U

**Table 4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
073074	RFETS	Heterogeneous	116	833	1.80 J	0.81 J	0.20 U	0.20 U	0.64 J	0.20 U	0.20 U	4.17 J	0.20 U
073117	RFETS	Uncategorized Metal	117	480	2.00 U	0.40 U	30.42	0.40 U	0.40 U	0.40 U	0.40 U	4.80 U	0.40 U
073123	RFETS	Heterogeneous	116	831	1134.0 U	126.00 U	7343.0	126.00 U	126.00 U	126.00 U	126.00 U	630.00 U	126.00 U
073134	RFETS	Heterogeneous	116	831	360.00 U	72.00 U	3648.5	72.00 U	72.00 U	72.00 U	72.00 U	792.00 U	72.00 U
073136	RFETS	Solidified Inorganics	111	807	0.50 U	0.10 U	0.10 U	0.18 J	0.10 U	0.10 U	0.10 U	1.20 U	0.10 U
073274	RFETS	Heterogeneous	116	831	450.00 U	50.00 U	2711.7	50.00 U	50.00 U	50.00 U	50.00 U	250.00 U	50.00 U
073285	RFETS	Solidified Organics	112	801	0.90 U	0.10 U	1.53	0.39 J	0.10 J	0.10 U	0.10 U	2.15 J	10.59
073293	RFETS	Solidified Organics	112	801	0.90 U	0.10 U	3.18	0.10 U	2.42	0.10 U	0.10 U	1.17 J	3.25
073295	RFETS	Solidified Organics	112	801	0.90 U	0.10 U	1.55	0.10 U	0.86 J	0.10 U	0.10 U	0.50 U	2.35
073296	RFETS	Solidified Organics	112	801	0.90 U	0.10 U	2.51	0.10 J	0.14 J	0.10 U	0.10 U	0.61 J	0.95 J
073301	RFETS	Solidified Organics	112	801	1.80 U	0.20 U	1.42 J	0.43 J	2.30	0.20 U	0.20 U	1.44 J	12.42
073605	RFETS	Lead/Cadmium Metal	123	339	0.50 U	0.10 U	2.96	0.10 U	3.87	0.12 J	0.10 U	1.20 U	0.10 U
073632	RFETS	Heterogeneous	116	825	6.30 U	0.70 U	33.16	0.70 U	0.70 U	0.70 U	0.70 U	3.50 U	35.70
073667	RFETS	Solidified Organics	112	801	0.90 U	0.10 U	1.03	0.17 J	0.10 U	0.10 U	0.10 U	1.16 J	2.36
073672	RFETS	Solidified Organics	112	801	0.90 U	0.24 J	1.75	0.29 J	0.19 J	0.10 U	0.10 U	0.50 U	2.27
073745	RFETS	Heterogeneous	116	832	0.50 U	0.18 J	1.89	10.64	1.75	0.10 U	0.10 U	1.20 U	0.10 U
073828	RFETS	Heterogeneous	116	833	0.90 U	0.10 U	0.17 J	0.65 J	0.31 J	0.10 U	0.10 U	0.50 U	0.10 U
073848	RFETS	Heterogeneous	116	821	1.20 U	0.13 U	0.21 J	1.46	0.25 J	0.13 U	0.13 U	0.67 U	0.13 U
073987	RFETS	Lead/Cadmium Metal	123	339	1.50 U	0.30 U	0.30 U	0.30 U	1.36 J	0.30 U	0.30 U	3.60 U	0.30 U
074007	RFETS	Uncategorized Metal	117	480	1.74 J	0.30 U	0.56 J	0.30 U	0.74 J	0.30 U	0.30 U	3.60 U	0.30 U
074110	RFETS	Heterogeneous	116	833	0.90 U	0.10 U	0.28 J	6.63	0.60 J	0.10 U	0.10 U	0.50 U	0.10 U
074147	RFETS	Solidified Organics	112	801	7.20 U	0.80 U	36.24	0.80 U	0.80 U	0.80 U	0.80 U	4.00 U	2.73 J
074156	RFETS	Solidified Organics	112	801	5.40 U	0.60 U	36.75	0.60 U	4.68 J	0.60 U	0.60 U	3.00 U	3.09 J
074374	RFETS	Heterogeneous	116	833	0.55 J	0.13 J	0.45 J	0.88 J	1.87	0.10 U	0.10 U	1.10 U	1.83
074683	RFETS	Heterogeneous	116	821	29.51 J	1.50 U	1.50 U	5.85 J	1.50 U	1.50 U	1.50 U	7.50 U	1.50 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Run #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
074904	RFETS	Heterogeneous	116	832	0.50 U	0.10 U	0.10 U	0.39 J	0.10 U	0.10 U	0.10 U	1.10 U	0.10 U
074913	RFETS	Heterogeneous	116	832	2.70 U	0.30 U	0.30 U	1.50 J	0.30 U	0.30 U	0.30 U	1.50 U	0.30 U
075039	RFETS	Heterogeneous	116	832	2.70 U	0.30 U	0.35 J	0.30 U	0.30 U	0.30 U	0.30 U	1.99 J	0.30 U
075265	RFETS	Heterogeneous	116	833	14.89 J	1.20 U	1.20 U	3.95 J	63.67	1.20 U	1.20 U	6.00 U	1.20 U
075267	RFETS	Heterogeneous	116	832	1.80 U	0.20 U	0.20 U	2.39	0.20 U	0.20 U	0.20 U	1.27 J	0.20 U
075278	RFETS	Heterogeneous	116	832	2.70 U	0.30 U	0.30 U	3.74	0.30 U	0.30 U	0.30 U	3.85 J	0.30 U
075399	RFETS	Heterogeneous	116	833	3.60 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	7.01 J	0.40 U
075564	RFETS	Heterogeneous	116	825	1.20 U	0.13 U	0.13 U	0.85 J	0.24 J	0.13 U	0.13 U	0.92 J	0.13 U
075868	RFETS	Heterogeneous	116	825	5.40 U	0.60 U	0.60 U	2.53 J	0.60 U	0.60 U	0.60 U	3.56 J	0.60 U
075888	RFETS	Heterogeneous	116	833	1.18 J	0.10 U	0.20 J	0.10 U	0.31 J	0.13 J	0.10 U	0.50 U	0.10 U
075926	RFETS	Heterogeneous	116	832	10.19 J	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	2.00 U	0.40 U
075930	RFETS	Heterogeneous	116	832	500.00 U	100.00 U	100.00 U	100.00 U	6912.5	100.00 U	100.00 U	1100.0 U	100.00 U
075947	RFETS	Heterogeneous	116	832	0.90 U	0.29 J	0.10 U	0.87 J	0.40 J	0.10 U	0.10 U	0.99 J	0.10 U
075976	RFETS	Heterogeneous	116	833	3.37 J	0.13 U	0.13 U	1.50	0.13 U	0.13 U	0.13 U	1.46 U	0.13 U
076044	RFETS	Heterogeneous	116	831	3.63 J	0.27 U	0.27 U	2.39 J	0.27 U	0.27 U	0.27 U	7.19 J	0.27 U
076050	RFETS	Heterogeneous	116	832	1.02 J	0.10 U	0.10 U	0.99 J	0.10 U	0.10 U	0.10 U	0.73 J	0.10 U
076054	RFETS	Heterogeneous	116	831	2.70 U	0.30 U	0.30 U	5.36	0.30 U	0.30 U	0.30 U	1.50 U	0.30 U
076098	RFETS	Heterogeneous	116	832	1.00 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	2.40 U	0.20 U
076135	RFETS	Solidified Organics	112	801	133.34 U	26.67 U	257.42 J	26.67 U	1583.9	26.67 U	26.67 U	293.34 U	26.67 U
076136	RFETS	Solidified Inorganics	111	803	2.00 U	0.40 U	41.04	0.40 U	10.00	0.40 U	0.40 U	4.40 U	1.10 J
076138	RFETS	Solidified Inorganics	111	800	0.50 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.10 U	0.10 U
076142	RFETS	Solidified Inorganics	111	800	1.36 J	0.24 U	7.62	0.24 U	0.84 J	1.82 J	0.24 U	2.64 U	0.24 U
076143	RFETS	Solidified Inorganics	111	803	1.50 U	0.30 U	31.39	0.30 U	4.26	0.30 U	0.30 U	3.30 U	0.87 J
076144	RFETS	Solidified Inorganics	111	800	3.34 U	0.67 U	10	0.67 U	0.67 U	0.68 J	0.67 U	7.34	2.78 J
076146	RFETS	Solidified Inorganics	111	800	0.50 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.10 U	0.10 U



Table -4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
076147	RFETS	Solidified Inorganics	111	803	1.39 J	0.10 U	2.44	0.13 J	0.15 J	0.15 J	0.10 U	1.84 J	0.13 J
076182	RFETS	Solidified Inorganics	111	800	6.30 U	0.70 U	0.70 U	0.70 U	1.04 J	4.03 J	0.70 U	3.50 U	0.70 U
076183	RFETS	Solidified Inorganics	111	800	0.67 U	0.13 U	4.25	0.13 U	0.13 U	0.93 J	0.13 U	1.46 U	0.13 U
076185	RFETS	Solidified Inorganics	111	800	0.50 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.55 J	0.10 U
076187	RFETS	Solidified Inorganics	111	803	2.50 U	0.50 U	49.01	0.50 U	11.65	0.50 U	0.50 U	5.50 U	1.46 J
076189	RFETS	Solidified Inorganics	111	803	10.00 U	2.00 U	165.71	2.00 U	2.00 U	2.00 U	2.00 U	22.00 U	7.50 J
076192	RFETS	Solidified Inorganics	111	803	0.50 U	0.10 U	0.93 J	0.10 U	0.10 U	0.10 U	0.10 U	1.10 U	0.57 J
076194	RFETS	Solidified Inorganics	111	800	0.50 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.10 U	0.10 U
076195	RFETS	Solidified Organics	112	801	4320.0 U	480.00 U	13758	480.00 U	6208.6	480.00 U	480.00 U	3249.5 J	480.00 U
076196	RFETS	Solidified Organics	112	801	833.34 U	166.67 U	1020.1 J	166.67 U	12990	166.67 U	166.67 U	1833.3 U	166.67 U
076199	RFETS	Solidified Inorganics	111	800	0.50 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.13 J	0.10 U
076200	RFETS	Solidified Organics	112	801	3166.6 U	633.33 U	4123.0 J	633.33 U	43418	633.33 U	633.33 U	6966.6 U	633.33 U
076203	RFETS	Solidified Organics	112	801	1116.6 J	223.33 U	3535.3	223.33 U	13365	223.33 U	223.33 U	2456.6 U	223.33 U
076205	RFETS	Solidified Inorganics	111	800	0.50 U	0.10 U	0.62 J	0.18 J	0.86 J	0.46 J	0.10 U	1.10 U	0.10 U
076206	RFETS	Solidified Inorganics	111	803	2.00 U	0.40 U	28.65	0.40 U	0.40 U	0.40 U	0.40 U	4.40 U	0.87 J
076217	RFETS	Heterogeneous	116	833	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	12.29 J	1.00 U
076282	RFETS	Solidified Inorganics	111	800	56.67 U	11.33 U	118.35	11.33 U	675.83	11.33 U	11.33 U	124.66 U	11.33 U
076283	RFETS	Solidified Organics	112	801	450.00 U	90.00 U	1068.5	90.00 U	5328.1	90.00 U	90.00 U	990.00 U	90.00 U
076287	RFETS	Solidified Inorganics	111	800	26.67 U	5.33 U	72.31	5.33 U	402.58	5.33 U	5.33 U	58.66 U	5.33 U
076293	RFETS	Heterogeneous	116	833	3.60 U	0.40 U	5.02	0.40 U	22.39	0.40 U	0.40 U	3.53 J	0.40 U
076302	RFETS	Solidified Inorganics	111	800	15.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	33.00 U	3.00 U
076303	RFETS	Solidified Inorganics	111	803	1.34 U	0.27 U	21.61	0.27 U	0.27 U	0.27 U	0.27 U	2.94 U	0.70 J
076305	RFETS	Solidified Inorganics	111	800	60.00 U	12.00 U	91.70 J	12.00 U	494.26	12.00 U	12.00 U	132.00 U	12.00 U
076306	RFETS	Heterogeneous	116	833	7.20 U	0.80 U	17.00	0.80 U	37.08	0.80 U	0.80 U	5.52 J	0.80 U
076362	RFETS	Heterogeneous	116	833	33.34 U	554.17	6.67 U	6.67 U	6.67 U	6.67 U	6.67 U	183.17 J	6.67 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Item #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro-ethane	Cyclo-hexane	Carbon Tetra-chloride	Benzene	1,2-Di-chloro-ethane	1-Butanol	Trichloro-ethene
076406	RFETS	Heterogeneous	116	831	0.90 U	0.10 U	0.45 J	0.10 U	0.37 J	0.10 U	0.10 U	0.50 U	0.10 U
076437	RFETS	Heterogeneous	116	833	1.80 U	0.20 U	0.20 U	2.24	0.20 U	0.20 U	0.20 U	1.44 J	0.20 U
076443	RFETS	Heterogeneous	116	825	2.70 U	0.30 U	0.30 U	0.63 J	0.33 J	0.30 U	0.30 U	1.50 U	0.30 U
076452	RFETS	Heterogeneous	116	825	1.70 J	0.20 U	0.20 J	0.20 U	0.40 J	0.20 U	0.20 U	1.10 J	0.20 U
076454	RFETS	Heterogeneous	116	825	0.90 U	0.10 U	0.12 J	0.66 J	0.21 J	0.10 U	0.10 U	0.50 U	0.10 U
076456	RFETS	Heterogeneous	116	825	0.90 U	0.10 U	0.13 J	0.72 J	0.23 J	0.10 U	0.10 U	1.95 J	0.10 U
076461	RFETS	Heterogeneous	116	825	2.70 U	0.30 U	0.30 U	1.89 J	0.30 U	0.30 U	0.30 U	1.50 U	0.39 J
076463	RFETS	Heterogeneous	116	825	2.70 U	0.30 U	0.33 J	1.09 J	0.31 J	0.30 U	0.30 U	1.50 U	0.30 U
076470	RFETS	Solidified Inorganics	111	803	0.50 U	0.10 U	0.83 J	0.10 U	0.10 U	0.10 U	0.10 U	1.10 U	0.28 J
076587	RFETS	Heterogeneous	116	825	0.90 U	0.10 U	0.20 J	1.07	0.69 J	0.10 U	0.10 U	0.90 U	0.10 U
076596	RFETS	Heterogeneous	116	825	3.13 J	0.10 U	0.20 J	1.67	0.97 J	0.10 U	0.10 U	5.14 J	0.10 U
076627	RFETS	Heterogeneous	116	825	0.90 U	0.10 U	0.10 J	0.91 J	0.21 J	0.10 U	0.10 U	0.79 J	0.10 U
076630	RFETS	Heterogeneous	116	825	2.01 J	0.10 U	0.20 J	0.89 J	0.65 J	0.10 U	0.10 U	1.30 J	0.10 U
076635	RFETS	Heterogeneous	116	825	1.80 U	0.20 U	0.25 J	0.61 J	0.81 J	0.20 U	0.20 U	1.71 J	0.20 U
076652	RFETS	Heterogeneous	116	833	0.66 J	0.10 U	0.11 J	0.47 J	0.10 U	0.10 U	0.10 U	2.98 J	0.10 U
076677	RFETS	Solidified Inorganics	111	800	21.60 U	2.40 U	199.52	2.40 U	2.40 U	2.40 U	2.40 U	12.00 U	14.06 J
076710	RFETS	Heterogeneous	116	833	18.00 U	136.89	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	10.00 U	2.00 U
076712	RFETS	Heterogeneous	116	833	2.70 U	0.95 J	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	1.50 U	0.30 U
076715	RFETS	Heterogeneous	116	832	1.80 U	0.20 U	0.20 U	1.88 J	0.20 U	0.20 U	0.20 U	2.35 J	0.20 U
076811	RFETS	Heterogeneous	116	832	2.46 J	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	8.62 J	0.20 U
076908	RFETS	Heterogeneous	116	833	0.90 U	0.10 U	0.14 J	0.66 J	0.79 J	0.10 U	0.10 U	0.50 U	0.32 J
076911	RFETS	Heterogeneous	116	832	1.00 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	2.20 U	0.20 U
077088	RFETS	Heterogeneous	116	833	2.93 J	0.20 U	0.20 U	0.20 U	0.30 J	0.20 U	0.20 U	2.20 J	0.20 U
077227	RFETS	Heterogeneous	116	833	2.00 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	4.40 U	0.40 U
077285	RFETS	Heterogeneous	116	833	1.80 U	0.20 U	0.27 J	1.18 J	0.20 U	0.20 U	0.20 U	1.00 U	0.20 U



**Table 4-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl ethyl Ketone	Chloroform	1,1,1-Tri chloro- ethane	Cyclo- hexane	Carbon Tetra- chloride	Benzene	1,2-Di- chloro- ethane	1-Butanol	Trichloro- ethene
077621	RFETS	Heterogeneous	0	336	1.34 U	0.27 U	0.27 U	0.27 U	19.30	0.27 U	0.27 U	3.20 U	0.27 U
080765	RFETS	Heterogeneous	116	833	1.80 U	0.20 U	0.20 U	2.61	0.20 U	0.20 U	0.20 U	2.79 J	0.20 U
080772	RFETS	Heterogeneous	116	833	9.00 U	1.00 U	47.56	5.62 J	1.00 U	1.00 U	1.00 U	5.00 U	13.18
080774	RFETS	Heterogeneous	116	833	27.90 U	3.10 U	53.30	3.10 U	127.73	3.10 U	3.10 U	15.50 U	3.10 U
080776	RFETS	Heterogeneous	116	832	7.59 J	2.48	0.10 U	0.10 U	0.20 J	1.23	0.18 J	5.18 J	0.10 U



Table 4-4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

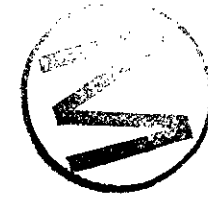
Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
001084	INEL	Solidified Inorganics	213	4	17.00 U	10.00 B	0.02 U	0.02 U	0.03 J	0.07 JB	0.02 U	0.02 U
001139	INEL	Solidified Inorganics	211	7	17.00 U	3.60	0.11 U	0.14 U	0.14 U	0.17 U	0.16 U	0.17 U
001157	INEL	Combustible	223	339	17.00 U	1.80	0.03 U	0.03 U	0.08 U	0.19 J	0.20 J	0.03 U
001161	INEL	Graphite	215	300	17.00 U	0.03 U	0.02 U	0.02 U	0.03 U	0.03 U	0.03 U	0.05 U
001258	RFETS	Solidified Inorganics	211	1	5.00 U	1.60	0.01 U	0.01 U	0.06 J	0.14	0.02 J	0.01 U
001370	INEL	Combustible	223	339	17.00 U	1.10	0.11 U	0.12 U	0.13 U	0.27 J	0.25 J	0.16 U
001377	INEL	Combustible	223	339	17.00 U	7.90	0.03 U	0.03 U	0.37	0.96	0.81	0.03 U
001410	INEL	Solidified Inorganics	214	292	17.00 U	29.00	0.11 U	0.13 U	0.13 U	0.13 U	0.13 U	0.11 U
001437	RFETS	Solidified Inorganics	211	7	5.00 U	2.40	0.01 U	0.01 U	0.01 U	0.03 J	0.01 U	0.01 U
001475	RFETS	Solidified Inorganics	211	1	15.00 J	13.00	0.18 U	0.21 U	0.85 JD	2.80 D	0.22 U	0.18 U
001493	RFETS	Solidified Inorganics	211	1	5.00 U	1.10	0.01 U	0.01 U	0.01 U	0.02 J	0.01 U	0.01 U
001619	INEL	Graphite	215	300	17.00 U	0.04 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
001625	INEL	Graphite	215	300	17.00 U	0.08 J	0.01 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
001633	INEL	Solidified Organics	226	432	17.00 U	4.20 J	0.63 U	0.74 U	0.78 U	0.78 U	0.78 U	0.66 U
001655	INEL	Combustible	223	339	17.00 U	2.40 U	1.70 U	2.00 U	2.10 U	2.10 U	2.10 U	1.80 U
001662	INEL	Graphite	215	300	17.00 U	0.06 J	0.01 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
001663	RFETS	Solidified Organics	226	432	17.00 U	19.00	0.38 U	0.44 U	0.47 U	0.47 U	0.47 U	0.40 U
001667	INEL	Graphite	215	300	17.00 U	0.34 J	0.01 U	0.02 U	0.12 J	0.02 U	0.02 U	0.02 U
001670	RFETS	Salt Waste	224	411	5.00 U	10.00	0.03 U	0.39 U	0.04 U	0.05 J	0.04 U	0.04 U
001677	INEL	Heterogeneous	221	302	17.00 U	9.70	0.73 J	0.42 U	0.39 U	0.48 U	0.46 U	0.49 U
001678	RFETS	Combustible	223	339	5.00 U	18.00	0.11 J	0.10 U	0.11 U	0.20 J	0.11 U	0.09 U
001689	INEL	Heterogeneous	221	302	17.00 U	21.00 E	0.03 U	0.04 U	0.19 J	0.39 J	0.09 J	0.03 U
001692	RFETS	Solidified Organics	226	432	17.00 U	22.00	0.23 U	0.27 U	0.28 U	0.28 U	0.28 U	0.24 U
001695	INEL	Combustible	223	339	1.10 U	23.00	1.40 U	1.70 U	1.80 U	1.80 U	1.80 U	1.50 U
001697	INEL	Graphite	215	300	17.00 U	0.13 J	0.01 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
001751	RFETS	Uncategorized Metal	217	320	5.00 U	2.60	0.01 U	0.01 U	0.04 J	0.13	0.14	0.01 U
001752	INEL	Graphite	215	300	17.00 U	0.06 J	0.01 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
001754	INEL	Uncategorized Metal	217	320	17.00 U	13.00	0.05 U	0.07 U	0.21 J	0.70 J	0.19 J	0.03 U
001757	INEL	Inorganic Non-metal	222	371	17.00 U	0.36	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
001773	INEL	Graphite	215	300	17.00 U	0.05 J	0.01 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
001779	INEL	Graphite	215	300	34.00 U	0.11 J	0.01 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
001784	INEL	Combustible	223	339	17.00 U	1.90	0.03 U	0.03 U	0.05 J	0.09 J	0.09 J	0.03 U
001813	INEL	Solidified Inorganics	213	4	17.00 U	6.60 B	4.00 U	5.10 U	4.80 U	6.00 U	5.60 U	6.00 U
001873	INEL	Solidified Inorganics	214	292	17.00 U	5.70	0.03 U	0.04 U	0.04 U	0.04 U	0.04 U	0.03 U
001899	RFETS	Solidified Inorganics	211	3	5.00 U	170.00	120.00 U	140.00 U	150.00 U	150.00 U	150.00 U	120.00 U
001900	INEL	Solidified Inorganics	214	292	17.00 U	8.00	0.06 J	0.04 U	0.04 U	0.04 U	0.04 U	0.03 U
001919	RFETS	Uncategorized Metal	217	320	5.00 U	0.30	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
001937	RFETS	Solidified Organics	212	3	5.00 U	20.00	14.00 U	16.00 U	18.00 U	18.00 U	18.00 U	15.00 U
002013	RFETS	Solidified Organics	212	3	5.00 U	14.00	10.00 U	12.00 U	12.00 U	12.00 U	12.00 U	10.00 U
002046	INEL	Solidified Organics	212	3	17.00 U	33.00 U	25.00 U	32.00 U	30.00 U	37.00 U	35.00 U	38.00 U
002065	INEL	Solidified Inorganics	214	292	5.00 U	27.00 U	0.09	0.11 U	0.12 U	0.12 U	0.12 U	0.10 U
002084	INEL	Solidified Inorganics	213	4	17.00 U	0.54 JB	0.03 U	0.03 U	0.03 U	0.06 JB	0.04 U	0.04 U
002220	RFETS	Uncategorized Metal	217	481	5.00 U	0.06	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
002222	INEL	Graphite	215	300	17.00 U	0.09 J	0.01 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
002338	RFETS	Inorganic Non-metal	222	371	17.00 U	5.10	0.71 U	0.83 U	0.88 U	0.88 U	0.88 U	0.74 U
002354	INEL	Combustible	223	339	17.00 U	1.30	0.06 U	0.06 U	0.07 U	0.08 U	0.09 J	0.09 U
002363	INEL	Inorganic Non-metal	222	371	17.00 U	0.28 J	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
002365	INEL	Uncategorized Metal	217	480	17.00 U	1.80	0.06 U	0.07 U	0.08 U	0.08 U	0.08 U	0.07 U
002542	IN	Solidified Organics	212	3	17.00 U	7.10	5.50 U	6.90 U	6.50 U	8.10 U	7.60 U	8.10
002678	RFETS	Solidified Organics	226	432	17.00 U	6.20	14.00 U	0.95 U	1.00 U	1.00 U	1.00 U	0.84 U

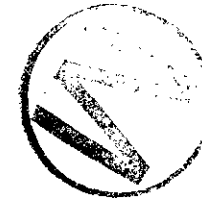
Table 4-4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)



Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
002791	INEL	Inorganic Non-metal	222	371	17.00 U	4.30	0.04 U	0.05 U	0.05 U	0.05 U	0.05 U	0.04 U
002797	RFETS	Solidified Organics	226	432	17.00 U	57.00	0.40 U	0.47 U	0.50 U	0.50 U	0.50 U	0.42 U
002814	RFETS	Solidified Inorganics	211	7	5.00 U	2.60	0.18 U	0.22 U	0.23 U	0.23 U	0.23 U	0.19 U
003017	INEL	Solidified Inorganics	211	1	5.00 U	5.00	0.05 U	0.05 U	0.06 U	0.06 U	0.06 U	0.05 U
003088	INEL	Inorganic Non-metal	222	371	17.00 U	4.20	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
003091	RFETS	Inorganic Non-metal	222	371	17.00 U	0.59	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
003111	INEL	Inorganic Non-metal	222	371	15.00 U	2.00	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
003121	RFETS	Solidified Inorganics	211	7	5.00 U	1.60	0.12 U	0.14 U	0.15 U	0.15 U	0.15 U	0.13 U
003129	RFETS	Solidified Inorganics	211	7	5.00 U	1.80	0.02 U	0.02 U	0.14 J	0.46	0.05 J	0.02 U
003130	RFETS	Solidified Inorganics	211	7	5.00 U	2.20	0.04 U	0.04 U	0.06 JD	0.22 JD	0.05 U	0.04 U
003173	RFETS	Solidified Inorganics	211	7	5.00 U	2.50	0.02 U	0.02 U	0.02 U	0.06 J	0.02 U	0.02 U
003181	RFETS	Solidified Inorganics	211	7	5.00 U	2.00	0.01 U	0.01 U	0.02 U	0.02 U	0.02 U	0.01 U
003189	INEL	Solidified Organics	212	3	17.00 U	72.00 U	56.00 U	71.00 U	66.00 U	82.00 U	78.00 U	83.00 U
003192	RFETS	Solidified Inorganics	211	7	5.00 U	1.70	0.21 U	0.24 U	0.26 U	0.26 U	0.26 U	0.22 U
003215	RFETS	Solidified Inorganics	211	7	5.00 U	2.10	0.01 U	0.01 U	0.02 J	0.08 J	0.02 U	0.01 U
003277	RFETS	Solidified Inorganics	211	1	5.00 U	0.23	0.01 U	0.01 U	0.01 U	0.02 J	0.01 U	0.01 U
003394	RFETS	Solidified Inorganics	211	7	5.00 U	1.80	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
003406	RFETS	Solidified Inorganics	211	7	5.00 U	0.86	0.01 J	0.01 U	0.01 U	0.03 J	0.01 J	0.01 U
003455	RFETS	Solidified Inorganics	211	3	5.00 U	320.00	220.00 U	260.00 U	280.00 U	280.00 U	280.00 U	240.00 U
003547	RFETS	Solidified Inorganics	211	7	5.00 U	0.91	0.08 U	0.10 U	0.10 U	0.10 U	0.10 U	0.09 U
003577	RFETS	Solidified Inorganics	211	1	5.00 U	1.70	0.01 U	0.01 U	0.01 U	0.02 J	0.01 U	0.01 U
003854	INEL	Solidified Organics	212	3	17.00 U	33.00 U	26.00 U	32.00 U	30.00 U	38.00 U	36.00 U	38.00 U
003890	INEL	Solidified Inorganics	111	7	5.00 U	1.80	0.03 U	0.03 U	0.03 U	0.03 J	0.03 U	0.03 U
003921	INEL	Solidified Inorganics	111	7	5.00 U	2.00	0.03 U	0.04 U	0.04 U	0.07 J	0.04 U	0.03 U
003991	INEL	Combustible	223	339	17.00 U	0.71 J	0.02 U	0.02 U	0.05 J	0.08 J	0.11 J	0.03 U



Table --4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
 (all data in ppmv)



Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl Isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
005006	RFETS	Salt Waste	224	411	5.00 U	5.00	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
005012	INEL	Combustible	223	339	17.00 U	0.31 J	0.01 U	0.02 U	0.04 J	0.05 J	0.02 J	0.02 U
005015	INEL	Solidified Organics	226	432	17.00 U	4.30 J	1.30 U	1.50 U	1.60 U	1.60 U	1.60 U	1.30 U
005235	INEL	Solidified Organics	226	432	17.00 U	5.70	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
005262	INEL	Solidified Organics	212	3	17.00 U	200.00 U	160.00 U	200.00 U	190.00 U	230.00 U	220.00 U	240.00 U
005358	INEL	Solidified Inorganics	211	1	17.00 U	6.90	0.01 U	0.02 U	0.45 J	1.70	0.30 J	0.02 U
005398	INEL	Solidified Inorganics	211	1	5.00 U	3.60	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
005415	INEL	Solidified Inorganics	211	1	5.00 U	5.90	0.03 U	0.03 U	0.03 U	0.07 J	0.03 U	0.03 U
005530	INEL	Graphite	215	303	15.00 U	0.98 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.04 U
005535	INEL	Solidified Organics	226	432	17.00 U	15.00 D	0.05 U	0.06 U	0.06 U	0.06 U	0.06 U	0.05 U
005735	INEL	Solidified Inorganics	211	7	5.00 U	3.80	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
005738	INEL	Solidified Inorganics	211	7	5.00 U	3.40	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
006242	INEL	Inorganic Non-metal	222	371	17.00 U	1.70	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
006252	RFETS	Lead/Cadmium Metal	123	339	5.00 U	5.80	3.30 U	3.90 U	4.20 U	4.20 U	4.20 U	3.50 U
006325	RFETS	Solidified Inorganics	213	4	100.00 U	3.30	0.01 U	0.01 U	0.02 J	0.05 J	0.02 J	0.01 U
006669	INEL	Solidified Inorganics	214	292	5.00 U	38.00	0.13 U	0.15 U	0.16 U	0.16 U	0.16 U	0.13 U
006773	RFETS	Solidified Inorganics	213	4	120.00 U	3.40	0.09 U	0.11 U	0.12 U	0.14 J	0.12 U	0.10 U
006857	INEL	Combustible	223	339	18.00 U	7.20	0.02 U	0.02 U	0.02 J	0.06 J	0.05 J	0.03 U
006865	RFETS	Solidified Organics	226	432	5.00 U	18.00	0.07 U	0.08 U	0.08 U	0.08 U	0.08 U	0.07 U
006876	INEL	Filter	219	335	17.00 U	0.75 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U
006879	INEL	Solidified Organics	226	432	17.00 U	19.00	0.08 U	0.10 U	0.10 U	0.10 U	0.10 U	0.09 U
006886	INEL	Solidified Organics	226	432	17.00 U	6.20	0.82 J	0.33 U	0.34 U	0.38 J	0.34 U	0.29 U
007034	INEL	Combustible	216	337	17.00 U	3.30	1.80 U	2.10 U	2.20 U	2.20 U	2.20 U	1.90 U
007146	INEL	Inorganic Non-metal	222	371	17.00 U	2.10 U	3.30	1.70 U	1.80 U	1.80 U	1.80 U	1.50 U
007170	INEL	Combustible	216	337	17.00 U	0.94 J	0.37 J	0.34 U	0.36 U	0.41 U	0.37 U	0.68 U







Table C-4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
009252	INEL	Combustible	223	339	17.00 U	27.00 J	18.00 U	21.00 U	22.00 U	22.00 U	22.00 U	18.00 U
009296	INEL	Combustible	223	339	17.00 U	16.00	2.50 U	3.00 U	3.10 U	3.10 U	3.10 U	2.60 U
009299	INEL	Combustible	223	339	17.00 U	0.32 J	0.02 U	0.02 U	0.04 J	0.07 J	0.08 J	0.03 U
009399	INEL	Inorganic Non-metal	218	440	17.00 U	2.10	0.33 U	0.38 U	0.41 U	0.41 U	0.41 U	0.34 U
009422	RFETS	Combustible	216	337	5.00 U	8.50	4.70 U	5.50 U	5.90 U	5.90 U	5.90 U	4.90 U
009423	INEL	Combustible	216	337	17.00 U	3.60	1.30 U	1.60 U	1.50 U	1.90 U	1.80 U	1.90 U
009435	INEL	Combustible	216	337	17.00 U	6.40	0.33 U	0.38 U	0.41 U	0.41 U	0.41 U	0.34 U
009449	INEL	Inorganic Non-metal	218	440	17.00 U	15.00 E	0.04 U	0.04 U	0.05 U	0.10 J	0.05 U	0.04 U
009471	INEL	Combustible	216	337	18.00 U	0.85 J	0.07 U	0.08 U	0.08 U	0.09 U	0.08 U	0.15 U
009475	INEL	Inorganic Non-metal	218	442	17.00 U	0.65 U	0.51 U	0.64 U	0.60 U	0.74 U	0.70 U	0.75 U
009489	INEL	Combustible	216	337	1.10 U	0.94 J	0.18 U	0.20 U	0.21 U	0.24 U	0.22 U	0.40 U
009587	INEL	Uncategorized Metal	117	320	5.00 U	1.20	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
009591	INEL	Inorganic Non-metal	118	440	17.00 U	2.00	0.03 U	0.04 U	0.04 U	0.04 U	0.04 U	0.03 U
009592	INEL	Inorganic Non-metal	118	440	17.00 U	11.00	0.06 U	0.07 U	0.08 U	0.08 U	0.08 U	0.07 U
009596	INEL	Uncategorized Metal	117	320	17.00 U	8.80	0.11 U	0.14 U	0.14 U	0.14 U	0.14 U	0.12 U
009599	INEL	Inorganic Non-metal	118	440	17.00 U	1.30	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
009602	INEL	Inorganic Non-metal	218	442	17.00 U	2.40	1.70 U	2.00 U	2.10 U	2.10 U	2.10 U	1.80 U
009694	INEL	Graphite	215	300	17.00 U	0.04 J	0.01 U	0.02 U	0.02 U	0.03 J	0.02 J	0.02 U
009735	INEL	Graphite	215	300	17.00 U	0.04 J	0.01 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
009773	INEL	Combustible	223	339	17.00 U	7.00	3.80 U	4.80 U	4.50 U	5.60 U	5.30 U	5.60 U
009787	RFETS	Solidified Organics	212	3	5.00 U	220.00	160.00 U	180.00 U	190.00 U	190.00 U	190.00 U	160.00 U
009873	RFETS	Solidified Inorganics	211	1	5.00 U	3.00	0.04 U	0.05 U	0.05 U	0.05 U	0.05 U	0.04 U
010216	INEL	Filter	219	338	17.00 U	1.00 U	2.80	0.96 U	1.00 U	1.20 U	1.00 U	1.30 U
010224	INEL	Filter	219	338	17.00 U	1.20	1.20	0.29 U	0.31 U	0.35 U	0.32 U	0.38 U
010230	INEL	Heterogeneous	216	330	18.00 U	11.00	1.50	0.15 U	0.16 U	0.19 U	0.17 U	0.20 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**



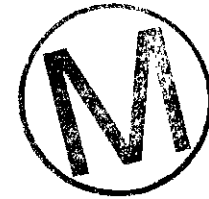
Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
010273	INEL	Combustible	216	337	18.00 U	2.00	0.13 U	0.14 U	0.15 U	0.17 U	0.15 U	0.28 U
010295	INEL	Inorganic Non-metal	218	442	17.00 U	0.60 J	0.05 U	0.06 U	0.06 U	0.06 U	0.06 U	0.05 U
010305	RFETS	Inorganic Non-metal	218	442	5.00 U	8.40	0.59 U	0.70 U	0.74 U	0.74 U	0.74 U	0.62 U
010364	RFETS	Combustible	216	337	5.00 U	4.20	0.75 U	0.88 U	0.94 U	0.94 U	0.94 U	0.79 U
010371	INEL	Combustible	216	337	17.00 U	22.00	0.35 U	0.33 U	0.35 U	0.44 U	0.37 U	0.29 U
010407	RFETS	Uncategorized Metal	217	480	5.00 U	25.00	0.10 U	0.12 U	0.39 J	0.89 J	0.43 J	0.11 U
010411	INEL	Combustible	216	337	15.00 U	18.00	1.70 U	2.00 U	2.10 U	2.10 U	2.10 U	1.80 U
010415	INEL	Inorganic Non-metal	218	442	17.00 U	0.20 J	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
010426	INEL	Inorganic Non-metal	218	442	17.00 U	0.11 JB	0.01 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
010463	INEL	Solidified Inorganics	213	4	34.00 U	2.20 J	0.25 U	0.30 U	0.31 U	0.31 U	0.31 U	0.26 U
010487	INEL	Salt Waste	224	414	17.00 U	5.70 J	0.46 U	0.54 U	0.57 U	0.57 U	0.57 U	0.48 U
010492	INEL	Uncategorized Metal	217	480	17.00 U	7.10	0.49 U	0.58 U	0.61 U	0.61 U	0.61 U	0.52 U
010498	INEL	Uncategorized Metal	217	480	17.00 U	4.60	0.03 U	0.04 U	0.04 U	0.05 U	0.04 U	0.05 U
010510	RFETS	Heterogeneous	216	336	5.00 U	12.00	1.60 J	1.70 U	1.80 U	1.80 U	1.80 U	1.50 U
010546	RFETS	Heterogeneous	216	330	10.00 U	57.00	39.00 U	46.00 U	49.00 U	49.00 U	49.00 U	41.00 U
010578	INEL	Solidified Organics	226	432	17.00 U	9.90 J	1.50 J	1.00 U	1.10 U	1.10 U	1.10 U	0.90 U
010588	RFETS	Solidified Inorganics	211	2	5.00 U	1.10	11.00	0.87 U	0.92 U	0.92 U	0.92 U	0.78 U
010663	INEL	Combustible	216	337	18.00 U	2.60	2.60	0.49 U	0.53 U	0.61 U	0.54 U	1.00 U
010676	INEL	Heterogeneous	216	330	17.00 U	7.20	1.90	0.40 U	0.42 U	0.48 U	0.43 U	0.80 U
010800	INEL	Filter	219	338	17.00 U	1.50	0.37 J	0.13 U	0.14 U	0.16 U	0.15 U	0.18 U
010807	INEL	Combustible	216	337	17.00 U	4.90	1.10 U	1.30 U	1.40 U	1.40 U	1.40 U	1.20 U
010808	INEL	Combustible	216	337	18.00 U	4.10	0.56 J	0.34 U	0.32 U	0.58 J	0.37 U	0.40 U
010814	RFETS	Solidified Inorganics	211	1	5.00 U	0.83	41.00	0.35 U	0.37 U	0.37 U	0.37 U	0.31 U
010837	II	Solidified Organics	226	432	17.00 U	1.70	0.80 J	0.44 U	0.47 U	0.47 U	0.47 U	U
010848	INEL	Filter	219	338	17.00 U	3.20	2.20	0.37 U	0.40 U	0.46 U	0.41 U	0.50 U



Table -4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
010883	INEL	Solidified Organics	226	432	17.00 U	7.20	8.60	1.20 U	1.20 U	1.20 U	1.20 U	1.00 U
010921	INEL	Inorganic Non-metal	222	371	18.00 U	0.12 U	0.13 J	0.10 U	0.10 U	0.10 U	0.10 U	0.09 U
011004	INEL	Uncategorized Metal	217	480	17.00 U	1.00	0.03 U	0.03 U	0.05 J	0.09 J	0.04 J	0.03 U
011021	INEL	Solidified Organics	226	432	17.00 U	23.00	0.15 U	0.18 U	0.19 U	0.19 U	0.19 U	0.16 U
011042	INEL	Inorganic Non-metal	218	442	17.00 U	2.90	0.53 U	0.62 U	0.66 U	0.66 U	0.66 U	0.55 U
011044	INEL	Inorganic Non-metal	218	440	17.00 U	3.50	0.30 U	0.36 U	0.38 U	0.38 U	0.38 U	0.32 U
011067	RFETS	Solidified Inorganics	213	4	5.00 U	2.20	0.99 U	1.20 U	1.20 U	1.20 U	1.20 U	1.00 U
011102	RFETS	Solidified Inorganics	211	1	5.00 U	1.10	0.24 U	0.28 U	0.30 U	0.30 U	0.30 U	0.25 U
011109	INEL	Solidified Inorganics	211	1	17.00 U	0.94 J	2.00	0.19 U	0.18 U	0.22 U	0.21 U	0.22 U
011147	INEL	Solidified Inorganics	213	4	17.00 U	3.20 B	0.17 U	0.22 U	0.21 U	0.26 U	0.24 U	0.26 U
011173	INEL	Uncategorized Metal	217	480	17.00 U	2.90	0.21 J	0.05 U	0.05 U	0.06 U	0.06 U	0.06 U
011194	INEL	Inorganic Non-metal	218	442	17.00 U	2.00	0.06 U	0.07 U	0.08 U	0.08 U	0.08 U	0.07 U
011393	INEL	Uncategorized Metal	217	480	17.00 U	4.90	0.13 U	0.15 U	0.16 U	0.18 J	0.16 U	0.13 U
011416	INEL	Combustible	216	337	17.00 U	0.80 U	0.55 U	0.65 U	0.69 U	0.69 U	0.69 U	0.58 U
011433	INEL	Heterogeneous	216	330	17.00 U	3.10	0.88 J	0.49 U	0.53 U	0.61 U	0.54 U	1.00 U
011498	RFETS	Solidified Organics	226	432	17.00 U	3.90	22.00	1.70 U	1.80 U	1.80 U	1.80 U	1.50 U
011529	INEL	Uncategorized Metal	217	480	17.00 U	0.04 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
011601	INEL	Heterogeneous	216	336	17.00 U	6.20	1.00 U	1.20 U	1.20 U	1.40 U	1.30 U	1.50 U
011607	INEL	Heterogeneous	216	330	17.00 U	0.65 J	0.06 J	0.03 U	3.40	8.00	1.60	0.04 U
011637	RFETS	Filter	219	338	5.00 U	2.70	1.90 ID	0.87 U	0.92 U	0.92 U	0.92 U	0.78 U
011735	INEL	Heterogeneous	216	330	17.00 U	4.60	1.00	0.89 U	0.94 U	0.94 U	0.94 U	0.79 U
011749	INEL	Inorganic Non-metal	225	441	17.00 U	0.31 U	12.00	0.25 U	0.27 U	0.27 U	0.27 U	0.22 U
011785	RFETS	Solidified Inorganics	211	1	5.00 U	4.40	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
012021	INEL	Solidified Inorganics	211	1	17.00 U	1.40 J	0.33 U	0.38 U	0.41 U	0.41 U	0.41 U	0.34 U
012108	INEL	Solidified Inorganics	214	292	17.00 U	4.10 J	0.33 U	0.38 U	0.41 U	0.41 U	0.41 U	0.34 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**



Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
012111	INEL	Combustible	216	337	17.00 U	2.50	1.40 U	1.60 U	2.10	5.10	1.70 U	3.20 U
012215	INEL	Uncategorized Metal	217	480	17.00 U	7.00	0.35 U	0.41 U	0.44 U	0.44 U	0.44 U	0.37 U
012313	INEL	Heterogeneous	216	336	17.00 U	2.10	0.68 J	0.59 U	0.63 U	0.73 U	0.65 U	1.20 U
012320	INEL	Heterogeneous	216	336	17.00 U	13.00	5.20	2.00 U	2.10 U	2.10 U	2.10 U	1.80 U
012356	INEL	Filter	219	338	17.00 U	2.40	1.30	0.22 U	0.21 U	0.26 U	0.25 U	0.26 U
012357	RFETS	Uncategorized Metal	217	480	7.10 J	4.00	34.00 J	3.10 U	3.30 U	3.30 U	3.30 U	2.80 U
012433	INEL	Filter	219	338	17.00 U	1.30	2.00	0.19 U	0.20 U	0.24 U	0.21 U	0.25 U
012469	RFETS	Solidified Inorganics	211	1	5.00 U	0.75	1.30 J	0.36 U	0.38 U	0.38 U	0.38 U	0.32 U
012471	RFETS	Filter	219	338	5.00 U	2.50	0.29 J	0.18 U	0.20 U	0.20 U	0.20 U	0.16 U
012487	INEL	Inorganic Non-metal	218	440	17.00 U	0.58 JB	1.70	0.02 U	0.03 J	0.10 JB	0.05 U	0.02 U
012494	INEL	Heterogeneous	216	330	17.00 U	6.50	2.30	1.20 U	2.20	5.50	1.30 U	1.10 U
012541	INEL	Inorganic Non-metal	218	442	17.00 U	2.70	0.03 U	0.03 U	0.03 U	0.06 J	0.04 J	0.03 U
012553	INEL	Solidified Inorganics	211	1	17.00 U	0.15 J	0.03 U	0.03 U	0.03 U	0.03 U	0.05 J	0.03 U
012571	INEL	Uncategorized Metal	217	320	1.10 U	0.03 J	0.01 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
012611	INEL	Solidified Inorganics	211	1	17.00 U	2.40 J	0.53 U	0.62 U	0.66 U	0.66 U	0.66 U	0.55 U
012634	INEL	Solidified Inorganics	211	1	17.00 U	2.60 J	1.40 U	1.70 U	1.80 U	1.80 U	1.80 U	1.50 U
012749	INEL	Solidified Inorganics	211	1	17.00 U	0.58 J	0.28 U	0.33 U	0.34 U	0.34 U	0.34 U	0.29 U
012766	INEL	Heterogeneous	216	336	17.00 U	4.80	2.50 U	3.00 U	3.10 U	3.10 U	3.10 U	2.60 U
012802	INEL	Combustible	216	337	17.00 U	15.00	3.40	1.20 U	1.10 U	1.40 U	1.30 U	1.40 U
012875	RFETS	Solidified Organics	226	432	17.00 U	6.90	3.40 U	4.00 U	4.20 U	4.20 U	4.20 U	3.60 U
012878	INEL	Uncategorized Metal	217	480	17.00 U	2.20	1.20	0.61 U	0.57 U	0.71 U	0.67 U	0.71 U
012891	INEL	Heterogeneous	216	330	17.00 U	4.70	0.29 U	0.34 U	0.36 U	1.40	0.46 J	0.30 U
012902	INEL	Filter	219	338	17.00 U	0.03 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U
012920	II	Inorganic Non-metal	222	371	17.00 U	1.40	1.00 U	1.20 U	1.30 U	1.30 U	1.30 U	U
012985	INEL	Inorganic Non-metal	222	371	17.00 U	5.80 J	14.00 U	2.00 U	2.10 U	2.10 U	2.10 U	1.80 U

Table 4-4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)



Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
012986	INEL	Heterogeneous	221	302	1.10 U	22.00	2.60	0.53 U	0.50 U	0.61 U	0.58 U	0.62 U
012998	INEL	Combustible	216	337	17.00 U	3.90	10.00	0.68 U	0.72 U	0.72 U	0.72 U	0.61 U
013106	INEL	Solidified Inorganics	111	7	5.00 U	0.84	0.01 U	0.01 U	0.02 U	0.04 J	0.02 U	0.01 U
013229	RFETS	Solidified Organics	226	432	17.00 U	21.00	0.13 U	0.15 U	0.16 U	0.16 U	0.16 U	0.13 U
013231	INEL	Graphite	215	300	17.00 U	0.03 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U
013252	INEL	Inorganic Non-metal	222	371	17.00 U	3.00	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
013266	INEL	Combustible	223	339	17.00 U	14.00	0.35 U	0.41 U	0.44 U	0.44 U	0.44 U	0.37 U
013269	INEL	Inorganic Non-metal	218	440	17.00 U	12.00	0.04 U	0.05 U	0.05 U	0.06 U	0.06 U	0.06 U
013313	INEL	Inorganic Non-metal	218	440	17.00 U	3.30	0.03 U	0.03 U	0.20 J	0.54 J	0.15 J	0.03 U
013331	INEL	Salt Waste	124	411	17.00 U	12.00	0.06 U	0.07 U	0.08 U	0.08 U	0.08 U	0.07 U
013342	INEL	Inorganic Non-metal	218	440	17.00 U	23.00 E	0.01 U	0.02 U	0.02 J	0.04 J	0.02 U	0.02 U
013346	RFETS	Inorganic Non-metal	222	371	5.00 U	3.70	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
013618	INEL	Heterogeneous	216	330	17.00 U	11.00	1.70 U	2.00 U	2.10 U	2.10 U	2.10 U	1.80 U
013677	INEL	Filter	219	338	17.00 U	0.41 J	0.17 J	0.05 U	0.05 U	0.06 U	0.05 U	0.06 U
013751	INEL	Uncategorized Metal	217	480	17.00 U	1.60	4.30	0.89 U	0.94 U	0.94 U	0.94 U	0.79 U
013763	INEL	Combustible	223	339	17.00 U	13.00 U	14.00 U	13.00 U	14.00 U	18.00 U	15.00 U	12.00 U
013773	RFETS	Solidified Inorganics	111	7	5.00 U	2.50	0.07 U	0.08 U	0.34 J	1.30	0.30 J	0.07 U
013818	RFETS	Solidified Inorganics	211	1	7.10 J	2.50	0.02 U	0.02 U	0.09 J	0.35	0.07 J	0.02 U
013820	RFETS	Solidified Inorganics	211	1	11.00 U	3.40	0.02 U	0.03 U	0.03 U	0.05 JB	0.03 U	0.02 U
013847	INEL	Graphite	215	300	17.00 U	0.06 J	0.01 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
013860	INEL	Combustible	223	339	17.00 U	1.50	0.06 U	0.06 U	0.07 U	0.08 U	0.07 U	0.09 U
013876	RFETS	Solidified Inorganics	211	7	5.00 U	0.84	0.08 U	0.10 U	0.10 U	0.10 U	0.10 U	0.09 U
014007	INEL	Solidified Inorganics	211	1	17.00 U	4.10	0.02 U	0.02 U	0.03 U	0.03 U	0.03 U	0.03 U
014009	INEL	Solidified Inorganics	211	7	17.00 U	2.20	0.05 U	0.06 U	0.06 U	0.13 J	0.07 U	0.08 U
014010	INEL	Solidified Inorganics	211	7	17.00 U	0.64 J	0.01 U	0.02 U	0.03 J	0.09 J	0.02 J	0.02 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
014127	RFETS	Solidified Inorganics	211	7	5.00 U	1.50	0.02 U	0.02 U	0.04 J	0.14 J	0.02 J	0.02 U
014170	INEL	Solidified Inorganics	211	7	5.00 U	2.40	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
014330	INEL	Graphite	215	303	17.00 U	0.47 J	0.04 U	0.04 U	0.04 U	0.05 U	0.04 U	0.08 U
014334	INEL	Filter	219	335	17.00 U	0.10 J	0.06 U	0.05 U	0.06 U	0.07 U	0.06 U	0.05 U
014339	INEL	Solidified Organics	226	432	17.00 U	15.00 D	0.05 U	0.06 U	0.06 U	0.06 U	0.06 U	0.05 U
014342	INEL	Graphite	215	303	17.00 U	0.12 J	0.06 U	0.06 U	0.07 U	0.08 U	0.07 U	0.13 U
014345	INEL	Solidified Organics	226	432	17.00 U	14.00	0.04 U	0.05 U	0.05 U	0.05 U	0.05 U	0.04 U
014346	INEL	Combustible	223	339	17.00 U	4.00	0.07 J	0.02 U	0.04 J	0.09 J	0.07 J	0.03 U
014348	INEL	Graphite	215	300	17.00 U	0.24 J	0.01 U	0.02 U	0.02 U	0.02 J	0.02 U	0.02 U
014354	RFETS	Uncategorized Metal	217	481	5.00 U	0.14	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
014357	INEL	Combustible	223	339	17.00 U	16.00	14.00 U	13.00 U	14.00 U	18.00 U	15.00 U	12.00 U
014387	INEL	Solidified Inorganics	211	7	17.00 U	4.60	0.01 U	0.02 U	0.11 J	0.33 J	0.06 J	0.02 U
014466	INEL	Heterogeneous	221	302	17.00 U	4.80	2.00 J	0.33 U	0.35 U	0.35 U	0.35 U	0.29 U
014484	INEL	Graphite	215	300	17.00 U	0.26 J	0.01 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
014502	RFETS	Solidified Inorganics	211	1	5.00 U	2.00	0.01 U	0.01 U	0.01 U	0.03 J	0.01 J	0.01 U
014504	RFETS	Solidified Inorganics	211	1	5.00 U	5.40	0.03 U	0.03 U	0.03 U	0.04 J	0.03 U	0.46 U
014773	INEL	Solidified Inorganics	214	292	5.00 U	11.00	0.04 U	0.05 U	0.06 U	0.06 U	0.06 U	0.05 U
015228	RFETS	Solidified Organics	226	432	17.00 U	4.20	0.15 U	0.18 U	0.19 U	0.26 J	0.19 U	0.16 U
015231	INEL	Inorganic Non-metal	218	440	17.00 U	2.10	0.03 U	0.03 U	0.03 J	0.05 J	0.03 U	0.03 U
015241	INEL	Inorganic Non-metal	218	442	17.00 U	0.33 J	0.04 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
015249	INEL	Graphite	215	300	17.00 U	0.04 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.04 U
015262	RFETS	Solidified Organics	226	432	17.00 U	12.00	1.40 U	1.70 U	1.80 U	1.80 U	1.80 U	1.50 U
015267	INEL	Uncategorized Metal	217	480	17.00 U	11.00	1.30 U	1.50 U	1.60 U	1.60 U	1.60 U	1.30 U
015338	INEL	Solidified Inorganics	211	7	17.00 U	3.50	0.09 J	0.02 U	0.08 J	0.29 J	0.03 J	0.04 U
015434	RFETS	Solidified Organics	226	432	17.00 U	13.00	0.04 U	0.04 U	0.05 U	0.08 J	0.05 U	0.04 U



**Table C-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
022511	INEL	Uncategorized Metal	217	480	18.00 U	2.70	0.78 U	0.92 U	0.97 U	0.97 U	0.97 U	0.82 U
022513	INEL	Solidified Organics	212	1	17.00 U	0.81 J	0.23 U	0.27 U	0.28 U	0.28 U	0.28 U	0.24 U
022517	INEL	Solidified Organics	226	432	17.00 U	16.00	0.10 U	0.11 U	0.12 U	0.12 U	0.12 U	0.10 U
022539	INEL	Solidified Organics	226	432	17.00 U	15.00	0.10 U	0.11 U	0.12 U	0.12 U	0.12 U	0.10 U
022549	INEL	Uncategorized Metal	217	480	18.00 U	3.30	1.30 U	1.50 U	1.60 U	1.60 U	1.60 U	1.30 U
022552	INEL	Inorganic Non-metal	218	442	17.00 U	0.61 J	0.29 U	0.34 U	0.36 U	0.36 U	0.36 U	0.30 U
022557	INEL	Uncategorized Metal	217	480	17.00 U	17.00	0.45 U	0.56 U	0.53 U	0.66 U	0.62 U	0.66 U
022595	INEL	Solidified Inorganics	211	1	15.00 U	1.10	0.22 U	0.27 U	0.26 U	0.32 U	0.30 U	0.32 U
022600	RFETS	Solidified Inorganics	213	4	130.00 U	2.10	0.23 U	0.27 U	0.29 U	0.29 U	0.29 U	0.24 U
022780	INEL	Solidified Inorganics	211	7	18.00 U	2.80	1.10	0.40 U	0.38 U	0.46 U	0.44 U	0.47 U
022789	INEL	Solidified Inorganics	211	7	17.00 U	0.80 U	0.70 J	0.66 U	0.70 U	0.70 U	0.70 U	0.58 U
022790	INEL	Solidified Inorganics	214	292	18.00 U	5.00 B	0.15 U	0.19 U	0.18 U	0.27 JB	0.21 U	0.23 U
022803	INEL	Inorganic Non-metal	222	371	15.00 U	0.76 U	0.53 U	0.62 U	0.66 U	0.66 U	0.66 U	0.55 U
022807	INEL	Salt Waste	224	414	17.00 U	4.00	0.10 U	0.12 U	0.15 J	0.30 J	0.13 U	0.11 U
022811	INEL	Solidified Inorganics	211	7	17.00 U	1.80	1.30	0.34 U	0.32 U	0.39 U	0.37 U	0.39 U
022833	INEL	Solidified Inorganics	211	7	15.00 U	3.90	1.90 U	2.40 U	2.30 U	2.80 U	2.60 U	2.80 U
022841	INEL	Solidified Inorganics	211	7	17.00 U	3.10	1.00 U	1.30 U	1.20 U	1.50 U	1.40 U	1.50 U
022850	INEL	Solidified Inorganics	211	7	17.00 U	2.70	1.70	0.80 U	0.75 U	0.93 U	0.88 U	0.94 U
022874	INEL	Inorganic Non-metal	222	371	17.00 U	0.88 J	0.18 U	0.21 U	0.22 U	0.22 U	0.22 U	0.19 U
022894	INEL	Solidified Inorganics	211	1	15.00 U	1.20	0.16 J	0.11 U	0.89 J	1.80	0.78 J	0.13 U
022923	INEL	Inorganic Non-metal	218	440	17.00 U	6.90	0.33 U	0.38 U	0.41 U	0.41 U	0.41 U	0.34 U
023005	INEL	Solidified Inorganics	211	7	17.00 U	1.70 J	1.30 J	0.18 U	0.30 J	0.55 J	0.19 U	0.16 U
023027	RFETS	Uncategorized Metal	217	480	5.00 U	0.46	0.43 J	0.18 U	0.18 U	0.47 J	0.36 J	0.16 U
023041	RFETS	Inorganic Non-metal	222	371	5.00 U	0.42	0.24 U	0.28 U	0.30 U	0.30 U	0.30 U	0.25 U
023046	RFETS	Solidified Inorganics	211	7	5.00 U	2.50	0.66 J	0.50 U	0.53 U	0.53 U	0.53 U	0.44 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**



Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
023048	RFETS	Solidified Organics	226	432	17.00 U	22.00	0.35 U	0.41 U	0.44 U	0.44 U	0.44 U	0.37 U
023062	INEL	Solidified Inorganics	211	7	17.00 U	1.20 J	0.58 J	0.18 U	0.19 U	0.19 U	0.19 U	0.16 U
023211	INEL	Filter	119	376	17.00 U	9.30	0.05 U	0.06 U	0.06 U	0.17 J	0.08 J	0.05 U
023212	RFETS	Uncategorized Metal	217	480	5.00 U	7.40	0.49 U	0.58 U	0.62 U	0.62 U	0.62 U	0.52 U
023227	INEL	Uncategorized Metal	217	480	17.00 U	2.50	0.08 U	0.10 U	0.10 U	0.10 U	0.10 U	0.09 U
023229	INEL	Combustible	216	337	17.00 U	4.00 J	0.50 U	0.59 U	0.63 U	0.63 U	0.63 U	0.53 U
023235	RFETS	Heterogeneous	216	336	5.00 U	16.00	0.13 U	0.16 U	0.32 J	0.65 J	0.17 U	0.14 U
023238	INEL	Solidified Inorganics	211	1	17.00 U	1.70	0.17 J	0.18 U	0.17 U	0.20 U	0.19 U	0.21 U
023277	INEL	Inorganic Non-metal	222	371	17.00 U	1.30 U	0.88 U	1.00 U	1.10 U	1.10 U	1.10 U	0.92 U
023285	INEL	Solidified Inorganics	211	7	17.00 U	3.30 J	1.70 U	2.00 U	2.10 U	2.10 U	2.10 U	1.80 U
023312	INEL	Uncategorized Metal	217	480	17.00 U	4.10	0.63 U	0.80 U	0.76 U	0.93 U	0.88 U	0.94 U
023341	RFETS	Solidified Inorganics	211	7	5.00 U	0.83	0.49	0.01 U	0.14	0.26	0.10	0.01 U
023357	INEL	Solidified Inorganics	211	1	17.00 U	1.70 J	0.13 U	0.15 U	0.16 U	0.16 U	0.16 U	0.13 U
023383	RFETS	Uncategorized Metal	217	481	5.00 U	0.16	0.01 U	0.01 U	0.01 U	0.03 J	0.01 U	0.01 U
023384	INEL	Combustible	223	339	15.00 U	0.18 J	0.09 U	0.10 U	0.11 U	0.17 J	0.22 J	0.13 U
023388	INEL	Heterogeneous	216	330	15.00 U	0.49 J	0.08 U	0.09 U	0.09 U	0.11 U	0.10 U	0.17 U
023392	INEL	Solidified Inorganics	213	4	43.00 U	0.95 J	0.56 U	0.67 U	0.71 U	0.71 U	0.71 U	0.59 U
023407	INEL	Solidified Organics	212	3	17.00 U	28.00 U	20.00 U	23.00 U	24.00 U	24.00 U	24.00 U	21.00 U
023460	INEL	Inorganic Non-metal	218	442	17.00 U	1.20	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
023469	INEL	Solidified Organics	212	3	17.00 U	0.43 U	0.30 U	0.36 U	0.38 U	0.88 J	0.58 J	0.32 U
023492	INEL	Solidified Inorganics	211	7	17.00 U	0.90 U	0.63 U	0.74 U	0.78 U	0.78 U	0.78 U	0.66 U
023519	INEL	Solidified Organics	212	3	17.00 U	3.10 U	2.40 U	3.00 U	2.90 U	3.50 U	3.30 U	3.60 U
023535	INEL	Solidified Inorganics	211	7	15.00 U	0.82 U	0.63 U	0.80 U	0.75 U	0.93 U	0.88 U	0.94 U
023552	INEL	Solidified Inorganics	211	1	17.00 U	1.90	0.70 U	0.83 U	0.88 U	0.88 U	0.88 U	0.88 U
023662	INEL	Inorganic Non-metal	218	442	1.10 U	1.40	0.08 U	0.10 U	0.10 U	0.10 U	0.10 U	0.09 U

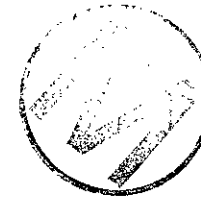


**Table 2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**



Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
023681	INEL	Solidified Inorganics	211	1	17.00 U	0.70 J	0.30 U	0.36 U	0.38 U	0.38 U	0.38 U	0.32 U
023695	RFETS	Solidified Inorganics	211	2	5.00 U	0.62	0.22 J	0.18 U	0.19 U	0.23 J	0.19 U	0.16 U
023771	RFETS	Heterogeneous	216	330	5.00 U	23.00	0.16 U	0.19 U	0.20 U	0.20 U	0.20 U	0.17 U
023776	INEL	Heterogeneous	216	330	17.00 U	6.50	0.33 U	0.39 U	0.42 U	0.42 U	0.42 U	0.35 U
023805	INEL	Uncategorized Metal	217	480	17.00 U	5.20	0.01 U	0.02 U	0.07 J	0.10 J	0.07 J	0.02 U
023827	RFETS	Uncategorized Metal	217	320	5.00 U	0.16	0.01 U	0.01 U	0.01 J	0.02 J	0.01 U	0.01 U
023840	INEL	Combustible	216	337	17.00 U	3.00	0.29 U	0.32 U	0.34 U	0.39 U	0.35 U	0.64 U
023901	INEL	Heterogeneous	216	330	1.10 U	1.20	0.27 U	0.30 U	0.32 U	0.37 U	0.33 U	0.61 U
023929	RFETS	Inorganic Non-metal	218	440	5.00 U	2.30	0.50 U	0.59 U	0.63 U	0.63 U	0.63 U	5.00 U
023959	INEL	Uncategorized Metal	217	480	17.00 U	22.00	1.10 U	1.30 U	1.40 U	1.40 U	1.40 U	1.20 U
024028	RFETS	Inorganic Non-metal	218	440	5.00 U	0.50	0.10 U	0.12 U	0.13 U	0.13 U	0.13 U	0.11 U
024029	INEL	Uncategorized Metal	217	480	17.00 U	0.13 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U
024058	INEL	Solidified Inorganics	211	1	17.00 U	2.20 J	0.38 U	0.44 U	0.47 U	0.47 U	0.47 U	0.40 U
024059	INEL	Solidified Inorganics	214	292	17.00 U	10.00	0.15 U	0.18 U	0.29 J	0.47 J	0.28 J	0.16 U
024088	INEL	Combustible	216	337	1.10 U	11.00	0.29 U	0.34 U	7.40	20.00	3.60	0.30 U
024090	INEL	Combustible	216	337	17.00 U	8.00	0.43 U	0.47 U	0.51 U	0.58 U	0.52 U	0.96 U
024092	INEL	Combustible	216	337	17.00 U	15.00	1.30 U	1.50 U	1.60 U	1.60 U	1.60 U	1.30 U
024095	INEL	Combustible	216	337	17.00 U	2.30	0.18 U	0.20 U	0.21 U	0.24 U	0.22 U	0.40 U
024102	INEL	Combustible	216	337	17.00 U	14.00	0.43 U	0.50 U	0.54 U	0.54 U	0.54 U	0.45 U
024106	INEL	Combustible	216	337	17.00 U	22.00	0.63 U	0.74 U	0.78 U	0.78 U	0.78 U	0.66 U
024113	INEL	Combustible	216	337	17.00 U	12.00	0.19 U	0.22 U	0.24 U	0.24 U	0.24 U	0.20 U
024147	INEL	Solidified Inorganics	211	1	17.00 U	3.60 J	0.58 U	0.68 U	0.72 U	0.72 U	0.72 U	0.61 U
024165	INEL	Combustible	216	337	17.00 U	12.00	0.44 U	0.52 U	9.80	28.00	3.40	0.46 U
024168	INEL	Heterogeneous	216	330	17.00 U	0.56 J	0.03 U	0.03 U	0.03 U	0.05 J	0.03 U	0.26 U
024185	INEL	Salt Waste	224	409	17.00 U	1.90	0.03 U	0.03 U	0.14 J	0.23 J	0.14 J	0.03 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

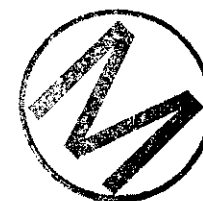


Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl Isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
024254	INEL	Salt Waste	224	414	17.00 U	6.30	0.04 U	0.05 U	0.09 J	0.33 J	0.23 J	0.04 U
024271	INEL	Inorganic Non-metal	218	442	17.00 U	3.90	0.08 U	0.10 U	0.10 U	0.10 U	0.10 U	0.09 U
024273	INEL	Inorganic Non-metal	218	442	17.00 U	4.90	0.16 U	0.19 U	0.20 U	0.20 U	0.20 U	0.17 U
024289	RFETS	Inorganic Non-metal	218	440	5.00 U	13.00	0.30 U	0.35 U	0.37 U	0.37 U	0.37 U	0.31 U
024295	INEL	Salt Waste	224	414	17.00 U	2.40	0.08 U	0.10 U	0.10 U	0.10 U	0.10 U	0.09 U
024308	INEL	Solidified Inorganics	211	2	17.00 U	1.40 J	0.13 U	0.15 U	0.20 J	0.64 J	0.39 J	0.13 U
024309	INEL	Solidified Inorganics	211	2	17.00 U	1.20 J	0.10 U	0.12 U	0.19 J	0.66 J	0.37 J	0.11 U
024311	INEL	Solidified Inorganics	211	2	41.00 U	0.89 J	0.20 U	0.24 U	0.26 U	0.50 J	0.30 J	0.21 U
024318	INEL	Solidified Inorganics	211	2	17.00 U	0.39 J	0.20 U	0.24 U	0.25 U	0.46 J	0.25 U	0.21 U
024506	INEL	Inorganic Non-metal	122	374	17.00 U	6.80	0.05 U	0.06 U	0.06 U	0.06 U	0.06 U	0.05 U
024507	INEL	Uncategorized Metal	117	480	17.00 U	14.00	0.06 U	0.07 U	0.08 U	0.19 J	0.09 J	0.07 U
024600	INEL	Uncategorized Metal	217	480	17.00 U	9.30	0.23 U	0.27 U	0.43 J	0.80 J	0.42 J	0.24 U
024638	INEL	Heterogeneous	216	330	17.00 U	1.40	0.11 U	0.13 U	0.14 U	0.14 U	0.14 U	0.12 U
024670	INEL	Solidified Inorganics	211	1	17.00 U	3.80 J	0.45 U	0.53 U	0.56 U	0.56 U	0.56 U	0.48 U
024765	INEL	Uncategorized Metal	217	480	17.00 U	1.90	0.04 U	0.05 U	0.05 J	0.06 U	0.05 U	0.06 U
024786	INEL	Uncategorized Metal	217	480	17.00 U	5.00	0.30 U	0.36 U	0.38 U	0.38 U	0.38 U	0.32 U
024850	INEL	Solidified Organics	226	432	17.00 U	18.00	0.08 U	0.10 U	0.10 U	0.10 U	0.10 U	0.09 U
024884	INEL	Uncategorized Metal	217	480	17.00 U	22.00	0.20 U	0.24 U	0.25 U	0.25 U	0.25 U	0.21 U
024897	INEL	Solidified Inorganics	211	1	17.00 U	1.00 J	0.20 U	0.24 U	0.25 U	0.25 U	0.25 U	0.21 U
024920	INEL	Solidified Inorganics	211	1	17.00 U	5.30 J	0.58 U	0.68 U	0.72 U	0.72 U	0.72 U	0.61 U
024991	INEL	Solidified Inorganics	211	1	17.00 U	3.90	0.28 U	0.33 U	0.35 U	0.35 U	0.35 U	0.29 U
025001	INEL	Solidified Organics	212	3	17.00 U	2.40 J	1.00 U	1.20 U	1.30 U	1.30 U	1.30 U	1.10 U
032284	INEL	Combustible	223	339	17.00 U	3.70	0.29 U	0.32 U	0.37 J	0.98 J	0.86 J	0.42 U
032287	RFETS	Solidified Inorganics	211	7	5.00 U	1.40	0.99 U	1.20 U	1.20 U	1.20 U	1.20 U	1.10 U
032467	INEL	Combustible	216	337	17.00 U	0.29	0.20 U	0.24 U	0.25 U	0.25 U	0.25 U	0.21 U



**Table -4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
032469	RFETS	Combustible	216	337	5.00 U	6.80	0.33 U	0.39 U	0.41 U	0.41 U	0.41 U	0.34 U
032473	INEL	Combustible	216	337	17.00 U	9.80	1.30 U	1.60 U	1.70 U	1.70 U	1.70 U	1.40 U
032485	INEL	Combustible	216	337	17.00 U	8.60	0.78 U	0.92 U	0.98 U	0.98 U	0.98 U	0.82 U
032517	RFETS	Combustible	223	339	5.00 U	2.60	0.07 U	0.09 U	0.20 J	0.41 JB	0.46 J	0.08 U
032521	INEL	Combustible	223	339	17.00 U	3.10	0.06 U	0.07 U	0.31 J	0.55 J	0.76 J	0.09 U
032525	INEL	Combustible	223	339	17.00 U	2.00	0.04 U	0.04 U	0.11 J	0.16 J	0.23 J	0.05 U
032526	INEL	Combustible	223	339	17.00 U	2.40	0.54 U	0.59 U	0.63 U	1.30	0.83 J	0.78 U
032529	INEL	Heterogeneous	216	336	17.00 U	26.00	0.23 U	0.33 U	0.38 U	0.32 U	0.25 U	0.15 U
032540	INEL	Uncategorized Metal	217	480	17.00 U	0.94 J	0.33 U	0.39 U	0.41 U	0.41 U	0.41 U	0.34 U
032632	INEL	Uncategorized Metal	217	480	17.00 U	1.70	0.14 U	0.15 U	0.16 U	0.19 U	0.17 U	0.20 U
032659	RFETS	Uncategorized Metal	217	480	5.00 U	4.30	0.26 U	0.30 U	0.32 U	0.34 J	0.32 U	0.27 U
032669	RFETS	Uncategorized Metal	217	480	5.00 U	3.40	0.28 U	0.33 U	0.35 U	0.35 U	0.35 U	0.30 U
032712	INEL	Uncategorized Metal	217	480	17.00 U	0.82 J	0.24 U	0.28 U	0.30 U	0.30 U	0.30 U	0.25 U
032715	RFETS	Combustible	216	337	5.00 U	0.86	0.07 U	0.09 U	0.09 U	0.09 U	0.09 U	0.08 U
032748	INEL	Combustible	223	339	17.00 U	4.40	0.23 U	0.33 U	0.38 U	0.32 U	0.25 U	0.15 U
032753	INEL	Uncategorized Metal	217	481	17.00 U	0.04 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
033091	INEL	Combustible	223	339	17.00 U	2.70	0.02 U	0.02 U	0.38 J	1.10	0.86 J	0.03 U
D01332	RFETS	Heterogeneous	116	832	3.00 U	19.36	0.50 U	1.00 U	42.90	133.38	62.59	0.50 U
D06288	RFETS	Filter	119	338	0.60 U	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U
D06339	RFETS	Heterogeneous	0	337	4.72 J	1.27 J	0.20 U	0.40 U	0.20 U	0.20 U	0.20 U	0.20 U
D11129	RFETS	Filter	119	338	0.79 J	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U
D13364	RFETS	Uncategorized Metal	117	480	1.10 U	2.48	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D15680	RFETS	Heterogeneous	116	831	400.00 U	66.67 U	66.67 U	133.33 U	66.67 U	66.67 U	66.67 U	66.67 U
D17184	RFETS	Solidified Inorganics	111	800	1.10 U	1.61	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D32439	RFETS	Filter	119	338	0.60 U	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl Isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
D32978	RFETS	Solidified Inorganics	111	803	34.00 U	5.67 U	5.67 U	11.33 U	5.67 U	5.67 U	5.67 U	5.67 U
D35301	RFETS	Solidified Inorganics	111	800	1.10 U	0.20 J	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D35306	RFETS	Lead/Cadmium Metal	123	339	1.20 U	7.86	0.20 U	0.40 U	0.20 U	0.45 J	1.03 J	0.20 U
D36606	RFETS	Uncategorized Metal	117	480	2.80 U	40.46	0.40 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U
D38859	RFETS	Solidified Inorganics	111	803	1.10 U	0.45 J	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D38989	RFETS	Heterogeneous	0	336	0.60 U	9.27	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U
D41681	RFETS	Filter	119	338	0.10 U	3.39	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U
D42280	RFETS	Solidified Organics	112	801	2500.00 U	416.67 U	416.67 U	833.33 U	416.67 U	416.67 U	416.67 U	416.67 U
D47501	RFETS	Lead/Cadmium Metal	0	341	0.68 J	5.91	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U
D48182	RFETS	Filter	119	376	4.40 U	27.92	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.40 U
D48200	RFETS	Heterogeneous	116	831	88.00 U	16.39 J	8.00 U	8.00 U	8.00 U	8.00 U	16.00 U	8.00 U
D48377	RFETS	Inorganic Non-metal	118	368	1.10 U	2.61	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D49662	RFETS	Solidified Inorganics	0	292	0.60 U	6.19	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U
D49880	RFETS	Heterogeneous	0	336	1.60 U	16.66	0.27 U	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U
D52318	RFETS	Lead/Cadmium Metal	117	321	0.60 U	0.22 J	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U
D52362	RFETS	Heterogeneous	116	821	2.20 U	9.50	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D52726	RFETS	Heterogeneous	116	833	4.80 U	11.72	0.80 U	1.60 U	0.80 U	0.80 U	0.80 U	0.80 U
D53672	RFETS	Inorganic Non-metal	118	440	2.20 U	8.14	0.20 U	0.20 U	0.20 U	0.29 J	0.40 U	0.20 U
D55656	RFETS	Heterogeneous	116	831	3.30 U	33.36	0.30 U	0.30 U	0.30 U	0.30 U	0.60 U	0.30 U
D55680	RFETS	Heterogeneous	116	821	2.20 U	8.57	0.20 U	0.20 U	0.20 U	0.23 J	0.40 U	0.20 U
D55938	RFETS	Heterogeneous	116	831	2.20 U	12.11	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D56095	RFETS	Heterogeneous	0	337	0.60 U	3.59	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U
D56595	RFETS	Heterogeneous	116	831	80.00 U	13.33 U	13.33 U	26.67 U	13.33 U	13.33 U	13.33 U	13.33 U
D56755	RFETS	Heterogeneous	116	821	1.10 U	0.20	0.10 U	0.10 U	0.10 U	0.18 J	0.20 U	0.10 U
D56823	RFETS	Heterogeneous	116	831	4.40 U	23.57	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.40 U

Table -4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
D57179	RFETS	Heterogeneous	0	330	12.00 U	6.90 J	2.00 U	4.00 U	2.00 U	2.00 U	2.00 U	2.00 U
D57522	RFETS	Heterogeneous	0	336	2.40 U	7.15	0.40 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U
D57847	RFETS	Uncategorized Metal	117	480	2.80 U	41.16	0.40 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U
D58143	RFETS	Solidified Inorganics	111	807	1.10 U	8.03	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D58154	RFETS	Heterogeneous	116	831	2.40 U	40.69	0.40 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U
D58627	RFETS	Heterogeneous	116	831	1.20 U	11.64	0.20 U	0.40 U	10.02	36.00	10.31	0.20 U
D58889	RFETS	Heterogeneous	116	831	1.40 U	12.97	0.20 U	0.40 U	0.20 U	0.20 U	0.20 U	0.20 U
D58970	RFETS	Solidified Inorganics	111	807	1.10 U	3.12	0.10 U	0.10 U	0.10 U	0.17 J	0.20 U	0.10 U
D59053	RFETS	Lead/Cadmium Metal	0	341	0.60 U	3.49	0.10 U	0.20 U	0.15 J	0.32 J	0.78 J	0.10 U
D59703	RFETS	Heterogeneous	116	831	3.50 U	62.59	0.50 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U
D59899	RFETS	Filter	0	331	3.50 U	50.44 a	0.50 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U
D60056	RFETS	Lead/Cadmium Metal	0	341	1.60 U	5.44	0.27 U	0.53 U	0.27 U	0.63 J	1.53 J	0.27 U
D60218	RFETS	Heterogeneous	116	821	2.20 U	5.17	0.20 U	0.20 U	1.75 J	11.25	8.61	0.20 U
D60298	RFETS	Solidified Organics	112	801	6306.66 U	573.33 U	573.33 U	573.33 U	573.33 U	573.33 U	1146.6 U	573.33 U
D60320	RFETS	Heterogeneous	0	330	256.93 J	28.00 U	28.00 U	56.00 U	28.00 U	28.00 U	28.00 U	28.00 U
D60463	RFETS	Inorganic Non-metal	118	440	1.10 U	1.92	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D60511	RFETS	Filter	119	491	2.20 U	8.05	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D60635	RFETS	Filter	119	491	1.10 U	4.79	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D61245	RFETS	Heterogeneous	0	336	5.48 J	12.27	0.47 U	0.93 U	0.47 U	0.47 U	0.47 U	0.47 U
D61278	RFETS	Heterogeneous	0	336	1.60 U	18.50	0.27 U	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U
D61473	RFETS	Heterogeneous	0	377	3.30 U	26.06	0.30 U	0.30 U	0.30 U	0.30 U	0.60 U	0.30 U
D61504	RFETS	Lead/Cadmium Metal	0	341	3.47 J	6.80	0.10 U	0.34 J	0.31 J	0.82 J	1.58	0.10 U
D61747	RFETS	Heterogeneous	0	330	3.33 J	23.52	0.27 U	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U
D62340	RFETS	Heterogeneous	116	821	4.40 U	29.08	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.40 U
D62478	RFETS	Filter	119	376	4.40 U	28.29	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.40 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**



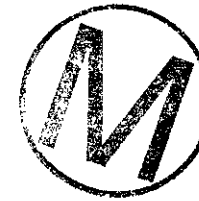
Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
D62714	RFETS	Heterogeneous	116	831	7.00 U	29.92	1.00 U	2.00 U	1.00 U	1.00 U	1.00 U	1.00 U
D62851	RFETS	Heterogeneous	116	825	3.30 U	6.69	0.30 U	0.30 U	0.30 U	0.30 U	0.60 U	0.30 U
D62855	RFETS	Heterogeneous	116	821	66.00 U	26.39 J	6.00 U	6.00 U	6.00 U	6.00 U	12.00 U	6.00 U
D63098	RFETS	Filter	0	331	4.59 J	48.86 a	0.50 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U
D63229	RFETS	Heterogeneous	116	831	2.20 U	22.72	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D63281	RFETS	Solidified Inorganics	111	807	1.10 U	5.39	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D63460	RFETS	Heterogeneous	116	831	1.10 U	14.84	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D63654	RFETS	Solidified Inorganics	111	807	1.10 U	5.82	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D63808	RFETS	Heterogeneous	116	831	8.80 U	44.69	0.80 U	0.80 U	0.80 U	0.80 U	1.60 U	0.80 U
D63817	RFETS	Heterogeneous	116	821	17.60 U	8.12 J	1.60 U	1.60 U	1.60 U	1.60 U	3.20 U	1.60 U
D63819	RFETS	Solidified Inorganics	111	807	2.20 U	2.57	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D63999	RFETS	Filter	119	491	3.30 U	11.61	0.30 U	0.30 U	0.30 U	0.30 U	0.60 U	0.30 U
D64004	RFETS	Filter	0	331	2.80 U	36.31 a	0.40 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U
D64137	RFETS	Filter	119	335	1.10 U	0.14 J	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D64448	RFETS	Heterogeneous	116	821	1210.00 U	574.53 J	110.00 U	110.00 U	1996.8	8500.1	2764.0	110.00 U
D64555	RFETS	Solidified Organics	112	801	6306.66 U	573.33 U	573.33 U	573.33 U	573.33 U	573.33 U	1146.6 U	573.33 U
D64632	RFETS	Solidified Inorganics	111	800	1.10 U	2.64	0.10 U	0.10 U	0.10 U	0.25 J	0.20 U	0.10 U
D64752	RFETS	Uncategorized Metal	117	480	14.00 U	28.39	2.00 U	4.00 U	2.00 U	2.00 U	2.00 U	2.00 U
D64758	RFETS	Heterogeneous	116	831	3.00 U	46.17	0.50 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U
D64860	RFETS	Heterogeneous	116	831	84.00 U	24.89 J	12.00 U	24.00 U	12.00 U	12.00 U	12.00 U	12.00 U
D65212	RFETS	Heterogeneous	116	831	63.00 U	19.34 J	9.00 U	18.00 U	9.00 U	9.00 U	9.00 U	9.00 U
D65213	RFETS	Heterogeneous	116	831	56.00 U	27.39 J	8.00 U	16.00 U	8.00 U	8.00 U	8.00 U	8.00 U
D65214	RFETS	Heterogeneous	116	831	810.34 U	73.67 U	73.67 U	73.67 U	73.67 U	73.67 U	147.33 U	73.67 U
D65530	RFETS	Solidified Inorganics	111	807	1.10 U	5.64	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D65535	RF	Solidified Inorganics	111	807	1.10 U	1.84	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U



**Table 4-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
D65546	RFETS	Solidified Inorganics	111	807	1.10 U	5.54	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D65600	RFETS	Solidified Inorganics	111	807	1.10 U	4.21	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D65731	RFETS	Inorganic Non-metal	122	375	4.40 U	7.18	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.40 U
D65734	RFETS	Uncategorized Metal	117	480	7.70 U	56.70	0.70 U	0.70 U	0.70 U	0.84 J	1.40 U	0.70 U
D65754	RFETS	Heterogeneous	116	831	4.00 U	68.61	0.67 U	1.33 U	0.67 U	0.67 U	0.67 U	0.67 U
D65757	RFETS	Heterogeneous	116	831	18.00 U	11.25 J	3.00 U	6.00 U	3.00 U	3.00 U	3.00 U	3.00 U
D65972	RFETS	Filter	119	376	3.30 U	19.73	0.30 U	0.30 U	0.30 U	0.39 J	0.60 U	0.30 U
D66128	RFETS	Heterogeneous	116	831	3.00 U	39.06	0.50 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U
D66157	RFETS	Uncategorized Metal	117	480	725.65 J	106.82	2.00 U	4.00 U	132.20	407.06	59.58	2.00 U
D66162	RFETS	Lead/Cadmium Metal	123	339	990.00 U	90.00 U	90.00 U	90.00 U	90.00 U	90.00 U	180.00 U	90.00 U
D66211	RFETS	Heterogeneous	116	833	1.10 U	8.42	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D66213	RFETS	Heterogeneous	116	831	1.80 U	13.19	0.30 U	0.60 U	0.30 U	0.30 U	0.30 U	0.30 U
D66356	RFETS	Heterogeneous	116	831	1000.00 U	166.67 U	166.67 U	333.33 U	166.67 U	166.67 U	166.67 U	166.67 U
D66378	RFETS	Heterogeneous	116	831	1344.00 U	192.00 U	192.00 U	384.00 U	192.00 U	192.00 U	192.00 U	192.00 U
D66438	RFETS	Uncategorized Metal	117	480	17.60 U	5.56 J	1.60 U	1.60 U	1.60 U	1.60 U	3.20 U	1.60 U
D66523	RFETS	Solidified Organics	112	801	6306.66 U	573.33 U	573.33 U	573.33 U	573.33 U	573.33 U	573.33 U	1146.6 U
D66525	RFETS	Solidified Inorganics	111	800	1.87 U	15.55	0.27 U	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U
D66631	RFETS	Heterogeneous	116	831	5.50 U	48.16	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	0.50 U
D66637	RFETS	Heterogeneous	116	831	56.00 U	25.59 J	8.00 U	16.00 U	8.00 U	8.00 U	8.00 U	8.00 U
D66641	RFETS	Heterogeneous	116	831	660.00 U	60.00 U	60.00 U	60.00 U	60.00 U	60.00 U	120.00 U	60.00 U
D66649	RFETS	Lead/Cadmium Metal	123	339	616.00 U	56.00 U	56.00 U	56.00 U	56.00 U	56.00 U	112.00 U	56.00 U
D66773	RFETS	Uncategorized Metal	117	480	3.30 U	12.48	0.30 U	0.30 U	0.90 J	1.43 J	0.60 U	0.30 U
D66783	RFETS	Heterogeneous	116	831	2750.00 U	250.00 U	250.00 U	250.00 U	250.00 U	250.00 U	500.00 U	250.00 U
D66792	RFETS	Heterogeneous	116	831	1100.00 U	100.00 U	100.00 U	100.00 U	100.00 U	100.00 U	200.00 U	100.00 U
D66860	RFETS	Heterogeneous	116	833	2.20 U	13.86	0.20 U	0.20 U	0.35 J	1.21 J	0.41 J	0.20 U

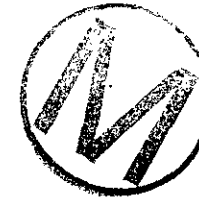
**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**



Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
D66875	RFETS	Heterogeneous	116	832	1.10 U	5.76	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D66948	RFETS	Heterogeneous	116	831	66.00 U	13.34 J	6.00 U	6.00 U	6.00 U	6.00 U	12.00 U	6.00 U
D66949	RFETS	Heterogeneous	116	831	6.60 U	13.62	0.60 U	0.60 U	0.60 U	0.60 U	1.20 U	0.60 U
D66953	RFETS	Uncategorized Metal	117	480	11.20 U	2.96 J	1.60 U	3.20 U	1.60 U	1.60 U	1.60 U	1.60 U
D66958	RFETS	Heterogeneous	116	831	3.30 U	22.22	0.30 U	0.30 U	0.30 U	0.30 U	0.60 U	0.30 U
D67009	RFETS	Solidified Organics	112	801	3740.00 U	739.16 J	340.00 U	340.00 U	340.00 U	340.00 U	680.00 U	340.00 U
D67012	RFETS	Solidified Organics	112	801	9900.00 U	1799.1 J	900.00 U	900.00 U	900.00 U	900.00 U	1800.0 U	900.00 U
D67047	RFETS	Solidified Inorganics	111	807	2.20 U	5.32	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D67251	RFETS	Uncategorized Metal	117	480	8400.00 U	1494.7 J	1200.0 U	2400.0 U	1200.0 U	1200.0 U	1200.0 U	1200.0 U
D67263	RFETS	Heterogeneous	116	831	99.00 U	9.45 J	9.00 U	9.00 U	9.00 U	9.00 U	18.00 U	9.00 U
D67277	RFETS	Heterogeneous	116	831	154.00 U	14.00 U	14.00 U	14.00 U	14.00 U	14.00 U	28.00 U	14.00 U
D67278	RFETS	Heterogeneous	116	831	1.10 U	1.31	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D67312	RFETS	Heterogeneous	116	825	2.20 U	11.14	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D67317	RFETS	Uncategorized Metal	117	480	1.87 U	20.00	0.27 U	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U
D67390	RFETS	Solidified Organics	112	801	1430.00 U	130.00 U	130.00 U	130.00 U	130.00 U	130.00 U	260.00 U	130.00 U
D67391	RFETS	Heterogeneous	116	833	1.60 U	26.96	0.27 U	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U
D67413	RFETS	Solidified Organics	112	801	8250.00 U	1799.2 J	750.00 U	750.00 U	750.00 U	750.00 U	1500.0 U	750.00 U
D67434	RFETS	Solidified Inorganics	111	800	2.80 U	14.94	0.40 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U
D67436	RFETS	Solidified Inorganics	111	800	0.93 U	10.37	0.13 U	0.27 U	0.13 U	0.28 J	0.13 U	0.13 U
D67441	RFETS	Solidified Inorganics	111	800	2.80 U	7.70	0.40 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U
D67448	RFETS	Heterogeneous	116	852	1.10 U	4.38	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D67455	RFETS	Filter	119	490	4.40 U	2.77 J	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.40 U
D67464	RFETS	Heterogeneous	116	831	2640.00 U	240.00 U	240.00 U	240.00 U	240.00 U	240.00 U	480.00 U	240.00 U
D67524	RFETS	Heterogeneous	116	832	204.52 U	18.59	18.59 U	18.59 U	18.59 U	18.59 U	37.19 U	18.59 U
D67532	RFETS	Lead/Cadmium Metal	123	339	69.30 U	6.30 U	6.30 U	6.30 U	6.30 U	6.30 U	12.60 U	6.30 U



**Table C-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**



Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
D67535	RFETS	Heterogeneous	116	831	1.40 U	19.28	0.20 U	0.40 U	0.20 U	0.20 U	0.20 U	0.20 U
D67539	RFETS	Solidified Organics	112	801	3520.00 U	629.76 J	320.00 U	320.00 U	320.00 U	320.00 U	640.00 U	320.00 U
D67541	RFETS	Heterogeneous	116	825	1.10 U	7.66	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D67545	RFETS	Solidified Organics	112	801	990.00 U	90.00 U	90.00 U	90.00 U	90.00 U	90.00 U	180.00 U	90.00 U
D67567	RFETS	Heterogeneous	116	831	3.30 U	32.27	0.30 U	0.30 U	0.30 U	0.30 U	0.60 U	0.30 U
D67582	RFETS	Heterogeneous	116	831	12.39 J	28.03	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.40 U
D67603	RFETS	Uncategorized Metal	117	480	143.00 U	29.89 J	13.00 U	13.00 U	13.00 U	13.00 U	26.00 U	13.00 U
D67654	RFETS	Solidified Inorganics	111	800	1.87 U	14.87	0.27 U	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U
D67657	RFETS	Solidified Inorganics	111	800	1.87 U	20.04	0.27 U	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U
D67678	RFETS	Heterogeneous	116	825	4.73 U	33.45	0.43 U	0.43 U	0.43 U	0.43 U	0.86 U	0.43 U
D67698	RFETS	Heterogeneous	116	831	9.60 U	138.80	1.60 U	3.20 U	1.60 U	4.53 J	1.60 U	1.60 U
D67707	RFETS	Heterogeneous	116	831	3.00 U	7.89	0.50 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U
D67734	RFETS	Heterogeneous	116	831	1210.00 U	110.00 U	110.00 U	110.00 U	110.00 U	110.00 U	220.00 U	110.00 U
D67735	RFETS	Uncategorized Metal	117	480	19.80 U	18.17	1.80 U	1.80 U	1.80 U	1.80 U	3.60 U	1.80 U
D67759	RFETS	Heterogeneous	116	831	30.80 U	86.98	2.80 U	2.80 U	2.80 U	2.86 J	5.60 U	2.80 U
D67764	RFETS	Heterogeneous	116	831	12.00 U	142.10	2.00 U	4.00 U	2.00 U	3.15 J	2.00 U	2.00 U
D67766	RFETS	Heterogeneous	116	831	9.00 U	60.77	1.50 U	3.00 U	1.50 U	1.50 U	1.50 U	1.50 U
D67781	RFETS	Heterogeneous	116	831	3.30 U	24.04	0.30 U	0.30 U	0.30 U	0.30 U	0.60 U	0.30 U
D67908	RFETS	Heterogeneous	116	832	1.10 U	7.25	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D67929	RFETS	Heterogeneous	116	832	0.60 U	0.88 J	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U
D67989	RFETS	Heterogeneous	116	831	5.50 U	4.42 J	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	0.50 U
D67994	RFETS	Heterogeneous	116	831	16.00 U	2.67 U	2.67 U	5.33 U	2.67 U	2.67 U	2.67 U	2.67 U
D68044	RFETS	Heterogeneous	116	825	5.50 U	25.12	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	0.50 U
D68096	RFETS	Heterogeneous	116	821	2.20 U	9.29	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D68247	RFETS	Solidified Inorganics	111	800	0.93 U	7.90	0.13 U	0.27 U	0.13 U	0.13 U	0.13 U	0.13 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
D68248	RFETS	Solidified Organics	112	801	1650.00 U	150.00 U	150.00 U	150.00 U	150.00 U	150.00 U	300.00 U	150.00 U
D68250	RFETS	Solidified Organics	112	801	1870.00 U	170.00 U	170.00 U	170.00 U	170.00 U	170.00 U	340.00 U	170.00 U
D68254	RFETS	Solidified Inorganics	111	800	1.87 U	8.28	0.27 U	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U
D68256	RFETS	Solidified Inorganics	111	800	2.80 U	11.30	0.40 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U
D68276	RFETS	Heterogeneous	116	852	1.10 U	1.80	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D68277	RFETS	Uncategorized Metal	117	480	5.50 U	27.39	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	0.50 U
D68377	RFETS	Uncategorized Metal	117	480	1.40 U	2.52	0.20 U	0.40 U	0.20 U	0.20 U	0.20 U	0.20 U
D68460	RFETS	Heterogeneous	116	832	0.60 U	0.13 J	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U
D68480	RFETS	Solidified Inorganics	111	800	0.89 J	3.64	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U
D68486	RFETS	Solidified Organics	112	801	1540.00 U	140.00 U	140.00 U	140.00 U	140.00 U	140.00 U	280.00 U	140.00 U
D68514	RFETS	Uncategorized Metal	117	480	1.10 U	7.36	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D68538	RFETS	Lead/Cadmium Metal	123	339	0.70 U	2.10	0.10 U	0.20 U	0.10 U	0.25 J	0.24 J	0.10 U
D68600	RFETS	Heterogeneous	116	825	198.00 U	18.00 U	18.00 U	18.00 U	18.00 U	18.00 U	36.00 U	18.00 U
D68601	RFETS	Heterogeneous	116	825	77.00 U	13.12 J	7.00 U	7.00 U	7.00 U	7.00 U	14.00 U	7.00 U
D68702	RFETS	Heterogeneous	116	833	1.10 U	4.93	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D68724	RFETS	Heterogeneous	116	831	1980.00 U	180.00 U	180.00 U	180.00 U	180.00 U	180.00 U	360.00 U	180.00 U
D68756	RFETS	Heterogeneous	116	831	1.40 U	17.92	0.20 U	0.40 U	0.20 U	0.20 U	0.20 U	0.20 U
D68885	RFETS	Heterogeneous	116	831	440.00 U	40.00 U	40.00 U	40.00 U	40.00 U	40.00 U	80.00 U	40.00 U
D68896	RFETS	Heterogeneous	116	831	2343.00 U	213.00 U	213.00 U	213.00 U	213.00 U	213.00 U	426.00 U	213.00 U
D68975	RFETS	Solidified Organics	112	801	5940.00 U	540.00 U	540.00 U	540.00 U	540.00 U	540.00 U	1080.0 U	540.00 U
D68999	RFETS	Heterogeneous	116	821	4.40 U	26.90	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.40 U
D69091	RFETS	Heterogeneous	116	825	5.50 U	30.60	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	0.50 U
D69095	RFETS	Heterogeneous	116	833	5.94 U	38.57	0.54 U	0.54 U	0.54 U	0.54 U	1.08 U	0.54 U
D69113	RFETS	Heterogeneous	116	831	528.00 U	48.00 U	48.00 U	48.00 U	48.00 U	48.00 U	96.00 U	48.00 U
D69250	RFETS	Heterogeneous	116	833	1.10 U	7.05	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U

Table 4-4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
 (all data in ppmv)

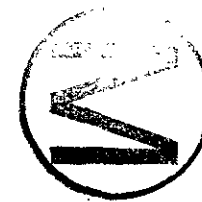


Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
D69287	RFETS	Heterogeneous	116	821	1518.00 U	138.00 U	138.00 U	138.00 U	138.00 U	138.00 U	276.00 U	138.00 U
D69306	RFETS	Solidified Organics	112	801	2750.00 U	250.00 U	250.00 U	250.00 U	250.00 U	250.00 U	500.00 U	250.00 U
D69312	RFETS	Solidified Inorganics	111	800	2.80 U	14.58	0.40 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U
D69364	RFETS	Heterogeneous	116	833	3.30 U	11.79	0.30 U	0.30 U	0.30 U	0.30 U	0.60 U	0.30 U
D69400	RFETS	Heterogeneous	116	831	407.00 U	37.00 U	37.00 U	37.00 U	37.00 U	37.00 U	74.00 U	37.00 U
D69406	RFETS	Heterogeneous	116	831	550.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	100.00 U	50.00 U
D69413	RFETS	Heterogeneous	116	831	6.60 U	6.00	0.60 U	0.60 U	0.60 U	0.60 U	1.20 U	0.60 U
D69418	RFETS	Heterogeneous	116	831	807.40 U	73.40 U	73.40 U	73.40 U	73.40 U	73.40 U	146.80 U	73.40 U
D69431	RFETS	Heterogeneous	116	831	320.00 U	53.33 U	53.33 U	106.67 U	53.33 U	53.33 U	53.33 U	53.33 U
D69518	RFETS	Heterogeneous	116	833	2.20 U	11.12	0.20 U	0.20 U	0.20 U	0.74 J	0.47 J	0.20 U
D69602	RFETS	Heterogeneous	116	821	11.00 U	68.03	1.00 U	1.00 U	1.00 U	1.00 U	2.00 U	1.00 U
D69759	RFETS	Heterogeneous	116	833	3.30 U	16.46	0.30 U	0.30 U	0.30 U	0.30 U	0.60 U	0.30 U
D69855	RFETS	Heterogeneous	116	833	2.20 U	8.80	0.20 U	0.20 U	0.32 J	1.19 J	0.40 U	0.20 U
D69877	RFETS	Heterogeneous	116	825	5.50 U	17.53	0.50 U	0.50 U	0.71 J	2.53 J	1.00 U	0.50 U
D69883	RFETS	Heterogeneous	116	825	3.30 U	10.62	0.30 U	0.30 U	0.30 U	0.30 U	0.60 U	0.30 U
D69975	RFETS	Heterogeneous	116	821	7.70 U	44.47	0.70 U	0.70 U	0.70 U	0.70 U	1.40 U	0.70 U
D70063	RFETS	Heterogeneous	116	821	5.61 U	34.81	0.51 U	0.51 U	0.56 J	1.92 J	1.02 U	0.51 U
D70077	RFETS	Heterogeneous	116	831	660.00 U	60.00 U	60.00 U	60.00 U	60.00 U	60.00 U	120.00 U	60.00 U
D70229	RFETS	Heterogeneous	116	831	2.20 U	19.11	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D70353	RFETS	Heterogeneous	116	833	2.20 U	19.69	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D70370	RFETS	Heterogeneous	116	821	3.30 U	13.37	0.30 U	0.30 U	0.30 U	0.72 J	0.60 U	0.30 U
D70379	RFETS	Heterogeneous	116	833	1.10 U	10.35	0.10 U	0.10 U	0.10 U	0.10 J	0.20 U	0.10 U
D70383	RFETS	Heterogeneous	116	833	2.20 U	11.65	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D70446	RFETS	Uncategorized Metal	117	480	7.00 U	37.41	1.00 U	2.00 U	1.00 U	7.19 J	1.61 J	1.00 U
D70448	RFETS	Heterogeneous	116	831	1650.00 U	150.00 U	150.00 U	150.00 U	150.00 U	150.00 U	300.00 U	150.00 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**



Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl Isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
D70455	RFETS	Heterogeneous	116	831	7.70 U	50.51	0.70 U	0.70 U	0.70 U	0.70 U	1.40 U	0.70 U
D70543	RFETS	Solidified Organics	112	801	9108.00 U	828.00 U	828.00 U	828.00 U	828.00 U	828.00 U	1656.0 U	828.00 U
D70661	RFETS	Filter	0	331	3.60 U	13.50	0.60 U	1.20 U	0.60 U	0.60 U	0.60 U	0.60 U
D70669	RFETS	Uncategorized Metal	117	480	1.10 U	11.84	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D70675	RFETS	Solidified Organics	112	801	2.15 J	1.88	0.60 J	0.10 U	0.11 J	0.29 J	0.20 U	0.10 U
D70682	RFETS	Heterogeneous	116	831	495.00 U	45.00 U	45.00 U	45.00 U	45.00 U	45.00 U	90.00 U	45.00 U
D70696	RFETS	Heterogeneous	116	821	6.60 U	35.16	0.60 U	0.60 U	0.60 U	0.60 U	1.20 U	0.60 U
D70734	RFETS	Heterogeneous	116	833	0.60 U	7.19	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U
D70780	RFETS	Heterogeneous	116	832	0.60 U	6.00	0.10 U	0.20 U	0.10 U	0.14 J	0.10 U	0.10 U
D70856	RFETS	Heterogeneous	116	833	1.10 U	5.02	0.10 U	0.10 U	0.13 J	0.42 J	0.20 U	0.10 U
D70882	RFETS	Heterogeneous	116	831	154.00 U	24.14 J	14.00 U	14.00 U	14.00 U	14.00 U	28.00 U	14.00 U
D70937	RFETS	Filter	0	331	3.00 U	15.32	0.50 U	1.00 U	0.50 U	1.11 J	0.92 J	0.50 U
D71019	RFETS	Solidified Organics	112	801	14.30 U	4.06 J	2.38 J	1.30 U	1.30 U	1.30 U	2.60 U	1.30 U
D71020	RFETS	Solidified Organics	112	801	13822.9 J	911.50 U	911.50 U	911.50 U	911.50 U	911.50 U	1823.0 U	911.50 U
D71022	RFETS	Solidified Organics	112	801	7200.00 U	1200.0 U	1200.0 U	2400.0 U	2551.2 J	8626.8 J	2212.8 J	1200.0 U
D71241	RFETS	Heterogeneous	116	833	0.60 U	5.29	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U
D71351	RFETS	Uncategorized Metal	117	480	0.70 U	1.19	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U
D71354	RFETS	Uncategorized Metal	117	480	0.70 U	1.63	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U
D71385	RFETS	Heterogeneous	116	833	3.30 U	23.02	0.30 U	0.30 U	0.30 U	0.30 U	0.60 U	0.30 U
D71494	RFETS	Solidified Organics	112	801	2.31 J	2.17 J	0.10 U	0.10 U	0.10 U	0.26 J	0.20 U	0.10 U
D71504	RFETS	Solidified Organics	112	801	2.20 U	2.55	0.54 J	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D71514	RFETS	Heterogeneous	116	833	2.20 U	14.12	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D71521	RFETS	Heterogeneous	116	825	2.20 U	9.03	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D71638	RFETS	Uncategorized Metal	117	480	7.00 U	10.80	1.00 U	2.00 U	1.00 U	1.00 U	1.00 U	1.00 U
D71804	RFETS	Heterogeneous	116	832	0.70 U	1.48	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U



**Table 2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
D71829	RFETS	Heterogeneous	116	852	2420.00 U	220.00 U	220.00 U	220.00 U	220.00 U	220.00 U	440.00 U	220.00 U
D71838	RFETS	Heterogeneous	116	831	83.60 U	11.96 J	7.60 U	7.60 U	7.60 U	7.60 U	15.20 U	7.60 U
D71921	RFETS	Heterogeneous	116	833	0.70 U	7.15	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U
D71932	RFETS	Solidified Organics	112	801	48047.5 U	4367.9 U	4367.9 U	4367.9 U	4367.9 U	4367.9 U	8735.9 U	4367.9 U
D71933	RFETS	Solidified Organics	112	801	0.60 U	2.01	0.10 U	0.20 U	0.10 U	0.16 J	0.11 J	0.10 U
D71934	RFETS	Solidified Organics	112	801	1.48 J	2.88	0.10 U	0.20 U	0.10 U	0.17 J	0.10 U	0.10 U
D71936	RFETS	Heterogeneous	116	833	238.34 U	21.67 U	21.67 U	21.67 U	21.67 U	21.67 U	43.33 U	21.67 U
D71937	RFETS	Heterogeneous	116	833	200.00 U	33.33 U	33.33 U	66.67 U	33.33 U	33.33 U	33.33 U	33.33 U
D71938	RFETS	Heterogeneous	116	833	19.80 U	1.80 U	1.80 U	1.80 U	1.80 U	1.92 J	3.60 U	1.80 U
D71940	RFETS	Solidified Organics	112	801	11000.0 U	1000.0 U	1000.0 U	1000.0 U	1000.0 U	1000.0 U	2000.0 U	1000.0 U
D71941	RFETS	Solidified Organics	112	801	11000.0 U	1000.0 U	1000.0 U	1000.0 U	1000.0 U	1000.0 U	2000.0 U	1000.0 U
D72010	RFETS	Heterogeneous	116	832	2.10 U	34.34	0.30 U	0.60 U	0.30 U	0.30 U	0.30 U	0.30 U
D72079	RFETS	Uncategorized Metal	117	480	71.50 U	43.37 J	6.50 U	6.50 U	6.50 U	6.50 U	13.00 U	6.50 U
D72127	RFETS	Solidified Organics	112	801	4.40 U	0.66 J	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.40 U
D72128	RFETS	Solidified Organics	112	801	3446.04 J	6991.6	130.00 U	130.00 U	130.00 U	130.00 U	260.00 U	130.00 U
D72131	RFETS	Heterogeneous	116	833	1.60 U	0.75 J	0.48 J	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U
D72132	RFETS	Solidified Organics	112	801	538.32 J	370.66 J	48.00 U	96.00 U	48.00 U	48.00 U	48.00 U	48.00 U
D72133	RFETS	Solidified Organics	112	801	2.20 U	1.34 J	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D72136	RFETS	Solidified Organics	112	801	231.00 U	1395.5	21.00 U	21.00 U	21.00 U	21.00 U	42.00 U	21.00 U
D72139	RFETS	Solidified Organics	112	801	20.90 U	207.08	1.90 U	1.90 U	1.90 U	1.90 U	3.80 U	1.90 U
D72178	RFETS	Heterogeneous	116	821	3.30 U	8.16	0.30 U	0.30 U	0.37 J	1.67 J	0.60 U	0.30 U
D72186	RFETS	Heterogeneous	116	821	2.20 U	9.78	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D72195	RFETS	Heterogeneous	116	833	1.10 U	12.27	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D72255	RFETS	Heterogeneous	116	833	3.30 U	19.33	0.30 U	0.30 U	0.30 U	0.30 U	0.60 U	0.30 U
D72267	RFETS	Solidified Inorganics	111	800	0.70 U	3.23	0.12 J	0.20 U	0.94 J	3.28	0.61 J	0.10 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**



Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
D72293	RFETS	Heterogeneous	116	833	1.10 U	10.66	0.10 U	0.10 U	0.12 J	0.39 J	0.20 U	0.10 U
D72333	RFETS	Heterogeneous	116	831	3.30 U	18.22	0.30 U	0.30 U	0.30 U	0.46 J	0.60 U	0.30 U
D72339	RFETS	Heterogeneous	116	821	5.50 U	37.30	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	0.50 U
D72347	RFETS	Heterogeneous	116	833	1.10 U	9.87	0.10 U	0.10 U	0.10 U	0.11 J	0.20 U	0.10 U
D72375	RFETS	Heterogeneous	116	831	880.00 U	80.00 U	80.00 U	80.00 U	80.00 U	80.00 U	160.00 U	80.00 U
D72434	RFETS	Heterogeneous	116	831	2310.00 U	210.00 U	210.00 U	210.00 U	210.00 U	210.00 U	420.00 U	210.00 U
D72436	RFETS	Uncategorized Metal	117	480	3.50 J	17.20	0.30 U	0.60 U	0.30 U	0.30 U	0.30 U	0.30 U
D72542	RFETS	Heterogeneous	116	832	60.00 U	13.25 J	10.00 U	20.00 U	10.00 U	10.00 U	10.00 U	10.00 U
D72545	RFETS	Solidified Inorganics	111	800	0.70 U	5.28	0.10 U	0.20 U	0.10 U	0.64 J	0.13 J	0.10 U
D72546	RFETS	Heterogeneous	116	832	90.00 U	23.24 J	15.00 U	30.00 U	15.00 U	15.00 U	15.00 U	15.00 U
D72566	RFETS	Solidified Organics	112	801	8.80 U	5.58 J	7.46 J	0.80 U	0.80 U	0.80 U	1.60 U	0.80 U
D72598	RFETS	Heterogeneous	116	821	6.60 U	27.50	0.60 U	0.60 U	0.60 U	0.60 U	1.20 U	0.60 U
D72618	RFETS	Heterogeneous	116	833	1.10 U	2.48	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D72619	RFETS	Solidified Organics	112	801	1.10 U	3.60	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D72623	RFETS	Solidified Organics	112	801	3.00 U	5.45	0.50 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U
D72631	RFETS	Solidified Organics	112	801	1.10 U	1.92	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D72632	RFETS	Solidified Organics	112	801	1.10 U	4.04	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D72673	RFETS	Heterogeneous	116	833	2.20 U	10.67	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D72819	RFETS	Heterogeneous	116	833	4.40 U	35.51	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.40 U
D72822	RFETS	Heterogeneous	116	831	1.60 U	19.90	0.27 U	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U
D72831	RFETS	Uncategorized Metal	117	480	28.00 U	22.59 J	4.00 U	8.00 U	4.00 U	4.00 U	4.00 U	4.00 U
D72887	RFETS	Heterogeneous	116	833	7.35 J	9.47	0.10 U	0.10 U	0.41 J	1.53	0.40 J	0.10 U
D72923	RFETS	Heterogeneous	116	833	8.67 J	33.51	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.40 U
D72932	RFETS	Heterogeneous	116	825	3.30 U	20.99	0.30 U	0.30 U	0.30 U	0.30 U	0.60 U	0.30 U
D73054	RFLTS	Heterogeneous	0	336	680.00 U	113.33	113.33 U	226.67 U	113.33 U	113.33 U	113.33 U	113.33 U

Table C-4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
 (all data in ppmv)



Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
D73074	RFETS	Heterogeneous	116	833	2.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D73117	RFETS	Uncategorized Metal	117	480	2.80 U	15.05	0.40 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U
D73123	RFETS	Heterogeneous	116	831	1386.00 U	126.00 U	126.00 U	126.00 U	126.00 U	126.00 U	252.00 U	126.00 U
D73134	RFETS	Heterogeneous	116	831	432.00 U	72.00 U	72.00 U	144.00 U	72.00 U	72.00 U	72.00 U	72.00 U
D73136	RFETS	Solidified Inorganics	111	807	0.70 U	3.39	0.10 U	0.20 U	0.10 U	0.49 J	0.12 J	0.10 U
D73274	RFETS	Heterogeneous	116	831	550.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	100.00 U	50.00 U
D73285	RFETS	Solidified Organics	112	801	1.10 U	4.71	0.34 J	0.10 U	0.10 U	0.12 J	0.20 U	0.10 U
D73293	RFETS	Solidified Organics	112	801	1.10 U	3.03	0.38 J	0.10 U	0.10 U	0.14 J	0.20 U	0.10 U
D73295	RFETS	Solidified Organics	112	801	1.10 U	2.65	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D73296	RFETS	Solidified Organics	112	801	1.10 U	2.37	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D73301	RFETS	Solidified Organics	112	801	2.20 U	9.08	0.50 J	0.20 U	0.20 U	0.30 J	0.40 U	0.20 U
D73605	RFETS	Lead/Cadmium Metal	123	339	0.70 U	3.87	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U
D73632	RFETS	Heterogeneous	116	825	7.70 U	5.16 J	0.70 U	0.70 U	0.70 U	1.49 J	1.40 U	0.70 U
D73667	RFETS	Solidified Organics	112	801	1.10 U	2.22	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D73672	RFETS	Solidified Organics	112	801	1.10 U	3.07	0.31 J	0.10 U	0.10 U	0.16 J	0.20 U	0.10 U
D73745	RFETS	Heterogeneous	116	832	0.70 U	9.49	0.10 U	0.20 U	0.40 J	1.13	0.36 J	0.10 U
D73828	RFETS	Heterogeneous	116	833	1.10 U	9.45	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D73848	RFETS	Heterogeneous	116	821	1.46 U	6.01	0.13 U	0.13 U	0.13 U	0.13 U	0.27 U	0.13 U
D73987	RFETS	Lead/Cadmium Metal	123	339	2.10 U	3.09	0.30 U	0.60 U	0.30 U	0.30 U	0.30 U	0.30 U
D74007	RFETS	Uncategorized Metal	117	480	2.10 U	19.46	0.30 U	0.60 U	0.30 U	0.30 U	0.30 U	0.30 U
D74110	RFETS	Heterogeneous	116	833	1.10 U	3.36	0.10 U	0.10 U	0.24 J	0.18 J	0.20 U	0.10 U
D74147	RFETS	Solidified Organics	112	801	8.80 U	3.80 J	0.80 U	0.80 U	0.80 U	0.80 U	1.60 U	0.80 U
D74156	RFETS	Solidified Organics	112	801	6.60 U	4.30 J	0.60 U	0.60 U	0.60 U	0.60 U	1.20 U	0.60 U
D74374	RFETS	Heterogeneous	116	833	0.60 U	14.03	0.10 U	0.20 U	0.10 U	0.77 J	0.21 J	0.10 U
D74683	RFETS	Heterogeneous	116	821	16.50 U	106.54	1.50 U	1.50 U	1.50 U	1.50 U	3.00 U	1.50 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**



Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
D74904	RFETS	Heterogeneous	116	832	0.60 U	4.59	0.10 U	0.20 U	0.10 U	0.19 J	0.20 J	0.10 U
D74913	RFETS	Heterogeneous	116	832	3.30 U	11.94	0.30 U	0.30 U	0.30 U	0.30 U	0.60 U	0.30 U
D75039	RFETS	Heterogeneous	116	832	3.30 U	1.74 J	0.30 U	0.30 U	2.22 J	19.98	12.03	0.30 U
D75265	RFETS	Heterogeneous	116	833	13.20 U	24.74	1.20 U	1.20 U	1.20 U	1.20 U	2.40 U	1.20 U
D75267	RFETS	Heterogeneous	116	832	2.20 U	18.50	0.20 U	0.20 U	0.23 J	0.47 J	0.40 U	0.20 U
D75278	RFETS	Heterogeneous	116	832	3.30 U	36.13	0.30 U	0.30 U	0.30 U	0.30 U	0.60 U	0.30 U
D75399	RFETS	Heterogeneous	116	833	4.40 U	16.33	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.40 U
D75564	RFETS	Heterogeneous	116	825	1.46 U	7.19	0.13 U	0.13 U	0.13 U	0.13 U	0.27 U	0.13 U
D75868	RFETS	Heterogeneous	116	825	6.60 U	23.45	0.60 U	0.60 U	0.60 U	0.60 U	1.20 U	0.60 U
D75888	RFETS	Heterogeneous	116	833	1.10 U	8.30	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D75926	RFETS	Heterogeneous	116	832	4.40 U	27.16	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	0.40 U
D75930	RFETS	Heterogeneous	116	832	600.00 U	100.00 U	100.00 U	200.00 U	100.00 U	100.00 U	100.00 U	100.00 U
D75947	RFETS	Heterogeneous	116	832	1.10 U	8.86	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D75976	RFETS	Heterogeneous	116	833	0.80 U	14.43	0.13 U	0.27 U	0.13 U	0.13 U	0.13 U	0.13 U
D76044	RFETS	Heterogeneous	116	831	4.05 J	25.07	0.27 U	0.27 U	0.27 U	0.27 U	0.53 U	0.27 U
D76050	RFETS	Heterogeneous	116	832	1.10 U	4.80	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D76054	RFETS	Heterogeneous	116	831	3.30 U	20.75	0.30 U	0.30 U	0.30 U	0.30 U	0.60 U	0.30 U
D76098	RFETS	Heterogeneous	116	832	1.40 U	18.43	0.20 U	0.40 U	0.20 U	0.20 U	0.20 U	0.20 U
D76135	RFETS	Solidified Organics	112	801	160.00 U	26.67 U	26.67 U	53.33 U	26.67 U	26.67 U	26.67 U	26.67 U
D76136	RFETS	Solidified Inorganics	111	803	2.40 U	1.89 J	0.41 J	0.80 U	0.40 U	3.02 J	0.82 J	0.40 U
D76138	RFETS	Solidified Inorganics	111	800	0.60 U	1.21	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U
D76142	RFETS	Solidified Inorganics	111	800	1.44 U	2.56	0.24 U	0.48 U	4.41	18.08	3.45	0.24 U
D76143	RFETS	Solidified Inorganics	111	803	1.80 U	2.12 J	0.37 J	0.60 U	0.30 J	2.25 J	0.63 J	0.30 U
D76144	RFETS	Solidified Inorganics	111	800	4.00 U	0.67	0.67 U	1.33 U	0.67 U	0.67 U	0.67 U	0.67 U
D76146	RFETS	Solidified Inorganics	0	292	0.60 U	3.33	0.10 U	0.20 U	0.10 U	0.22 J	0.10 U	0.10 U



Table 4-4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)



Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl Isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
D76147	RFETS	Solidified Inorganics	111	803	1.10 U	1.69	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D76182	RFETS	Solidified Inorganics	111	800	7.70 U	71.38	0.70 U	0.70 U	9.54	38.35	7.49	0.70 U
D76183	RFETS	Solidified Inorganics	111	800	0.80 U	3.96	0.13 U	0.27 U	0.18 J	0.66 J	0.17 J	0.13 U
D76185	RFETS	Solidified Inorganics	111	800	0.60 U	0.33 J	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U
D76187	RFETS	Solidified Inorganics	111	803	3.00 U	1.45 J	0.50 U	1.00 U	1.11 J	3.57 J	0.91 J	0.50 U
D76189	RFETS	Solidified Inorganics	111	803	12.00 U	2.00 U	2.00 U	4.00 U	2.00 U	2.00 U	2.00 U	2.00 U
D76192	RFETS	Solidified Inorganics	111	803	0.60 U	1.11	0.10 U	0.20 U	0.10 U	0.21 J	0.10 U	0.10 U
D76194	RFETS	Solidified Inorganics	111	800	0.60 U	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U
D76195	RFETS	Solidified Organics	112	801	5280.00 U	480.00 U	480.00 U	480.00 U	480.00 U	480.00 U	960.00 U	480.00 U
D76196	RFETS	Solidified Organics	112	801	1000.00 U	166.67 U	166.67 U	333.33 U	166.67 U	166.67 U	166.67 U	166.67 U
D76199	RFETS	Solidified Inorganics	111	800	0.60 U	1.31	0.10 U	0.20 U	0.10 U	0.17 U	0.10 U	0.10 U
D76200	RFETS	Solidified Organics	112	801	3800.00 U	633.33 U	633.33 U	1266.6 U	633.33 U	633.33 U	633.33 U	633.33 U
D76203	RFETS	Solidified Organics	112	801	1340.00 J	223.33 U	223.33 U	446.67 U	223.33 U	223.33 U	223.33 U	223.33 U
D76205	RFETS	Solidified Inorganics	111	800	0.60 U	2.66	0.10 U	0.20 U	0.10 U	0.43 J	0.10 U	0.10 U
D76206	RFETS	Solidified Inorganics	111	803	2.40 U	1.09 J	0.40 U	0.80 U	0.40 U	0.40 U	0.40 U	0.40 U
D76217	RFETS	Heterogeneous	116	833	6.75 J	7.45 J	1.00 U	2.00 U	1.00 U	1.00 U	1.00 U	1.00 U
D76282	RFETS	Solidified Inorganics	111	800	68.00 U	11.33 U	11.33 U	22.67 U	11.33 U	11.33 U	11.33 U	11.33 U
D76283	RFETS	Solidified Organics	112	801	540.00 U	90.00 U	90.00 U	180.00 U	90.00 U	90.00 U	90.00 U	90.00 U
D76287	RFETS	Solidified Inorganics	111	800	32.00 U	5.33 U	5.33 U	10.67 U	5.33 U	5.33 U	5.33 U	5.33 U
D76293	RFETS	Heterogeneous	116	833	4.40 U	0.59 J	0.40 U	0.40 U	0.96 J	2.65 J	0.80 U	0.40 U
D76302	RFETS	Solidified Inorganics	111	800	18.00 U	34.11	3.00 U	6.00 U	101.74	386.14	30.35	3.00 U
D76303	RFETS	Solidified Inorganics	111	803	1.60 U	1.56 J	0.30 J	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U
D76305	RFETS	Solidified Inorganics	111	800	72.00 U	12.00 U	12.00 U	24.00 U	12.00 U	12.00 U	12.00 U	12.00 U
D76306	RFETS	Heterogeneous	116	833	8.80 U	1.84 J	0.80 U	0.80 U	2.86 J	8.72	1.60 U	0.80 U
D76362	RFETS	Heterogeneous	116	833	40.00 U	6.67 U	6.67 U	13.33 U	6.67 U	6.67 U	6.67 U	6.67 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl Isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
D76406	RFETS	Heterogeneous	116	831	1.10 U	4.58	0.10 U	0.10 U	0.10 U	0.15 J	0.20 U	0.10 U
D76437	RFETS	Heterogeneous	116	833	2.20 U	24.00	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D76443	RFETS	Heterogeneous	116	825	3.30 U	5.66	0.30 U	0.30 U	0.30 U	0.30 U	0.60 U	0.30 U
D76452	RFETS	Heterogeneous	116	825	1.90 U	9.30	0.20 U	0.20 U	0.20 U	0.20 U	0.30 U	0.20 U
D76454	RFETS	Heterogeneous	116	825	1.10 U	5.19	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D76456	RFETS	Heterogeneous	116	825	1.10 U	6.59	0.10 U	0.10 U	0.10 U	0.10 J	0.20 U	0.10 U
D76461	RFETS	Heterogeneous	116	825	3.30 U	12.50	0.30 U	0.30 U	0.30 U	0.30 U	0.60 U	0.30 U
D76463	RFETS	Heterogeneous	116	825	3.30 U	21.50	0.30 U	0.30 U	0.30 U	0.30 U	0.60 U	0.30 U
D76470	RFETS	Solidified Inorganics	111	803	0.60 U	3.29	0.10 U	0.20 U	0.10 U	0.23 J	0.10 U	0.10 U
D76587	RFETS	Heterogeneous	116	825	1.10 U	7.16	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D76596	RFETS	Heterogeneous	116	825	1.10 U	14.57	0.10 U	0.10 U	0.10 U	0.10 J	0.20 U	0.10 U
D76627	RFETS	Heterogeneous	116	825	1.10 U	7.34	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D76630	RFETS	Heterogeneous	116	825	1.10 U	8.52	0.10 U	0.10 U	0.19 J	0.71 J	0.20 U	0.10 U
D76635	RFETS	Heterogeneous	116	825	2.20 U	5.12	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D76652	RFETS	Heterogeneous	116	833	0.60 U	8.81	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U
D76677	RFETS	Solidified Inorganics	111	800	26.40 U	2.40 U	2.40 U	2.40 U	2.40 U	2.40 U	4.80 U	2.40 U
D76710	RFETS	Heterogeneous	116	833	22.00 U	9.15 J	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	2.00 U
D76712	RFETS	Heterogeneous	116	833	3.30 U	13.98	0.30 U	0.30 U	0.30 U	0.30 U	0.60 U	0.30 U
D76715	RFETS	Heterogeneous	116	832	2.20 U	10.09	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D76811	RFETS	Heterogeneous	116	832	2.40 J	20.45	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U
D76908	RFETS	Heterogeneous	116	833	1.10 U	3.36	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U
D76911	RFETS	Heterogeneous	116	832	1.20 U	19.65	0.20 U	0.40 U	0.56 J	1.42 J	0.20 U	0.20 U
D77088	RFETS	Heterogeneous	116	833	1.20 U	14.47	0.20 U	0.40 U	0.20 U	0.20 U	0.20 U	0.20 U
D77227	RFETS	Heterogeneous	116	833	2.40 U	32.95	0.40 U	0.80 U	0.40 U	0.40 U	0.40 U	0.20 U
D77285	RFETS	Heterogeneous	116	833	2.20 U	8.62	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.20 U

Table 4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	Methyl Isobutyl ketone	Toluene	Tetra chloro ethene	Chloro benzene	Ethyl benzene	m,p-Xylene	o-Xylene	Bromoform
D77621	RFETS	Heterogeneous	0	336	1.87 U	9.47	0.27 U	0.53 U	0.27 U	0.27 U	0.27 U	0.27 U
D80765	RFETS	Heterogeneous	116	833	2.20 U	10.02	0.20 U	0.20 U	0.20 U	0.51 J	0.40 U	0.20 U
D80772	RFETS	Heterogeneous	116	833	11.00 U	24.39	1.00 U	1.00 U	1.00 U	1.00 U	2.00 U	1.00 U
D80774	RFETS	Heterogeneous	116	833	34.10 U	3.10 U	3.10 U	3.10 U	3.10 U	3.10 U	6.20 U	3.10 U
D80776	RFETS	Heterogeneous	116	832	1.34 J	11.32	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
000365	RFETS	Uncategorized Metal	217	480	12.00 U	8.70 U	8.70 U
000371	INEL	Graphite	215	300	0.03 U	0.01 U	0.02 U
000373	INEL	Graphite	215	300	0.02 U	0.01 U	0.02 U
000384	RFETS	Uncategorized Metal	217	320	0.01 U	0.01 U	0.01 U
000393	INEL	Uncategorized Metal	217	480	0.03 U	0.02 U	0.02 U
000401	RFETS	Inorganic Non-metal	222	371	0.02 U	0.01 U	0.01 U
000403	INEL	Inorganic Non-metal	218	440	0.03 U	0.02 U	0.02 U
000405	RFETS	Uncategorized Metal	217	480	0.94 U	0.66 U	0.87 U
000436	INEL	Solidified Organics	212	3	43.00 U	19.00 U	27.00 U
000442	INEL	Solidified Inorganics	213	4	0.05 U	0.02 U	0.03 U
000446	RFETS	Solidified Inorganics	211	1	0.01 U	0.01 U	0.01 J
000478	RFETS	Solidified Inorganics	211	1	0.01 U	0.01 U	0.01 J
000501	INEL	Graphite	215	300	0.02 U	0.01 U	0.02 U
000558	INEL	Heterogeneous	221	464	0.10 U	0.07 U	0.07 U
000567	RFETS	Inorganic Non-metal	222	371	1.70 U	1.20 U	1.60 U
000568	RFETS	Solidified Organics	226	432	1.00 U	0.73 U	0.73 U
000593	INEL	Solidified Inorganics	211	7	0.02 U	0.01 J	0.02 J
000613	INEL	Graphite	215	300	0.03 U	0.02 U	0.02 U
000630	INEL	Solidified Inorganics	213	4	0.07 U	0.03 U	0.04 U
000648	RFETS	Solidified Inorganics	213	4	0.03 U	0.02 U	0.03 U
000675	RFETS	Inorganic Non-metal	218	440	0.16 U	0.11 U	0.15 U
000823	RFETS	Solidified Inorganics	213	4	0.02 U	0.02 U	0.02 U
000828	INEL	Graphite	215	300	0.02 U	0.01 U	0.02 U
001016	INEL	Graphite	215	300	0.02 U	0.01 U	0.02 U
001024	INEL	Graphite	215	300	0.02 U	0.01 U	0.02 U
001084	INEL	Solidified Inorganics	213		0.02 U	0.01 U	0.01 U
001139	INEL	Solidified Inorganics	211		0.16 U	0.07 U	0.10 U

**Table 2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
001157	INEL	Combustible	223	339	0.03 U	0.02 U	0.02 U
001161	INEL	Graphite	215	300	0.03 U	0.02 U	0.02 U
001258	RFETS	Solidified Inorganics	211	1	0.01 U	0.01 U	0.01 U
001370	INEL	Combustible	223	339	0.14 U	0.08 U	0.09 U
001377	INEL	Combustible	223	339	0.03 U	0.02 U	0.02 U
001410	INEL	Solidified Inorganics	214	292	0.13 U	0.09 U	0.09 U
001437	RFETS	Solidified Inorganics	211	7	0.01 U	0.06 U	0.01 J
001475	RFETS	Solidified Inorganics	211	1	0.21 U	0.14 U	0.19 U
001493	RFETS	Solidified Inorganics	211	1	0.01 U	0.01 U	0.01 U
001619	INEL	Graphite	215	300	0.03 U	0.02 U	0.02 U
001625	INEL	Graphite	215	300	0.02 U	0.01 U	0.01 U
001633	INEL	Solidified Organics	226	432	0.74 U	0.52 U	0.52 U
001655	INEL	Combustible	223	339	2.00 U	1.40 U	1.40 U
001662	INEL	Graphite	215	300	0.02 U	0.01 U	0.01 JB
001663	RFETS	Solidified Organics	226	432	0.45 U	0.31 U	0.31 U
001667	INEL	Graphite	215	300	0.02 U	0.01 U	0.01 U
001670	RFETS	Salt Waste	224	411	0.04 U	0.03 U	0.04 U
001677	INEL	Heterogeneous	221	302	0.46 U	0.20 U	0.29 U
001678	RFETS	Combustible	223	339	0.10 U	0.07 U	0.10 U
001689	INEL	Heterogeneous	221	302	0.04 U	0.03 U	0.03 U
001692	RFETS	Solidified Organics	226	432	0.27 U	0.19 U	0.19 U
001695	INEL	Combustible	223	339	1.70 U	1.20 U	1.20 U
001697	INEL	Graphite	215	300	0.02 U	0.01 U	0.01 U
001751	RFETS	Uncategorized Metal	217	320	0.01 U	0.01 U	0.02 JB
001752	INEL	Graphite	215	300	0.02 U	0.01 U	0.01 U
001754	INEL	Uncategorized Metal	217	320	0.04 U	0.03 J	0.04 J
001757	INEL	Inorganic Non-metal	222	371	0.03 U	0.02 U	0.02 U



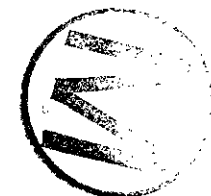
**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
001773	INEL	Graphite	215	300	0.02 U	0.01 U	0.01 U
001779	INEL	Graphite	215	300	0.02 U	0.01 U	0.01 U
001784	INEL	Combustible	223	339	0.03 U	0.02 U	0.02 U
001813	INEL	Solidified Inorganics	213	4	5.70 U	2.50 U	3.60 U
001873	INEL	Solidified Inorganics	214	292	0.04 U	0.03 U	0.03 U
001899	RFETS	Solidified Inorganics	211	3	140.00 U	97.00 U	130.00 U
001900	INEL	Solidified Inorganics	214	292	0.04 U	0.03 U	0.03 U
001919	RFETS	Uncategorized Metal	217	320	0.01 U	0.01 U	0.01 U
001937	RFETS	Solidified Organics	212	3	17.00 U	12.00 U	16.00 U
002013	RFETS	Solidified Organics	212	3	12.00 U	8.20 U	11.00 U
002046	INEL	Solidified Organics	212	3	36.00 U	16.00 U	23.00 U
002065	INEL	Solidified Inorganics	214	292	0.11 U	0.08 U	0.10 U
002084	INEL	Solidified Inorganics	213	4	0.04 U	0.02 U	0.02 U
002220	RFETS	Uncategorized Metal	217	481	0.03 U	0.02 U	0.03 U
002222	INEL	Graphite	215	300	0.02 U	0.01 U	0.01 U
002338	RFETS	Inorganic Non-metal	222	371	0.84 U	0.58 U	0.58 U
002354	INEL	Combustible	223	339	0.08 U	0.04 U	0.05 U
002363	INEL	Inorganic Non-metal	222	371	0.03 U	0.02 U	0.02 U
002365	INEL	Uncategorized Metal	217	480	0.07 U	0.05 U	0.05 U
002542	INEL	Solidified Organics	212	3	7.70 U	3.40 U	4.90 U
002678	RFETS	Solidified Organics	226	432	0.95 U	0.66 U	0.66 U
002791	INEL	Inorganic Non-metal	222	371	0.05 U	0.04 U	0.04 U
002797	RFETS	Solidified Organics	226	432	0.48 U	0.33 U	0.33 U
002814	RFETS	Solidified Inorganics	211	7	0.22 U	0.15 U	0.20 U
003017	INEL	Solidified Inorganics	211	1	0.05 U	0.04 U	0.05 U
003088	INEL	Inorganic Non-metal	222	371	0.03 U	0.02 U	0.02 U
003091	RFETS	Inorganic Non-metal	222	3	0.03 U	0.02 U	0.02 U



Table 2-4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
003111	INEL	Inorganic Non-metal	222	371	0.03 U	0.02 U	0.02 U
003121	RFETS	Solidified Inorganics	211	7	0.15 U	0.10 U	0.14 U
003129	RFETS	Solidified Inorganics	211	7	0.02 U	0.02 U	0.02 J
003130	RFETS	Solidified Inorganics	211	7	0.04 U	0.03 U	0.04 J
003173	RFETS	Solidified Inorganics	211	7	0.02 U	0.01 U	0.02 J
003181	RFETS	Solidified Inorganics	211	7	0.02 U	0.01 U	0.01 U
003189	INEL	Solidified Organics	212	3	79.00 U	35.00 U	50.00 U
003192	RFETS	Solidified Inorganics	211	7	0.25 U	0.17 U	0.23 U
003215	RFETS	Solidified Inorganics	211	7	0.02 U	0.01 U	0.03 J
003277	RFETS	Solidified Inorganics	211	1	0.01 U	0.01 U	0.01 J
003394	RFETS	Solidified Inorganics	211	7	0.03 U	0.02 U	0.03 U
003406	RFETS	Solidified Inorganics	211	7	0.01 U	0.02 J	0.04 J
003455	RFETS	Solidified Inorganics	211	3	270.00 U	190.00 U	250.00 U
003547	RFETS	Solidified Inorganics	211	7	0.10 U	0.07 U	0.09 U
003577	RFETS	Solidified Inorganics	211	1	0.01 U	0.01 U	0.01 U
003854	INEL	Solidified Organics	212	3	36.00 U	16.00 U	23.00 U
003890	INEL	Solidified Inorganics	111	7	0.03 U	0.02 U	0.03 U
003921	INEL	Solidified Inorganics	111	7	0.04 U	0.02 U	0.03 U
003991	INEL	Combustible	223	339	0.02 U	0.01 U	0.02 U
003997	INEL	Combustible	223	339	0.05 U	0.03 U	0.03 U
004099	INEL	Solidified Inorganics	211	1	0.02 U	0.01 U	0.01 U
004111	RFETS	Salt Waste	224	411	0.03 U	0.02 U	0.03 U
004112	INEL	Graphite	215	300	0.02 U	0.01 U	0.02 U
004123	INEL	Combustible	223	339	0.02 U	0.01 U	0.02 U
004125	INEL	Uncategorized Metal	217	480	0.03 U	0.02 U	0.02 U
004150	INEL	Graphite	215	300	0.02 U	0.01 U	0.01 U
004160	INEL	Combustible	223	339	140.00 U	77.00 U	93.00 U



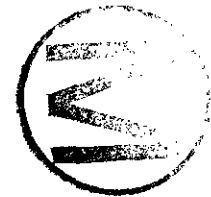
**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
004166	INEL	Inorganic Non-metal	222	371	0.03 U	0.02 U	0.02 U
004186	INEL	Combustible	223	339	0.02 U	0.01 U	0.02 U
004195	RFETS	Salt Waste	224	411	0.01 U	0.01 U	0.01 U
004196	INEL	Graphite	215	300	0.02 U	0.01 U	0.02 U
004206	INEL	Combustible	223	339	0.02 U	0.01 U	0.01 U
004208	INEL	Graphite	215	300	0.02 U	0.01 U	0.02 U
004283	INEL	Solidified Inorganics	211	1	0.02 U	0.01 U	0.01 U
004326	INEL	Solidified Inorganics	213	4	0.02 U	0.01 U	0.01 U
004393	INEL	Solidified Inorganics	211	1	0.02 U	0.01 U	0.02 U
004410	INEL	Solidified Inorganics	211	1	0.03 U	0.02 U	0.03 U
004495	INEL	Solidified Inorganics	213	4	0.02 U	0.01 U	0.01 U
004516	INEL	Solidified Inorganics	211	1	0.03 U	0.02 U	0.03 U
004884	INEL	Solidified Inorganics	213	4	0.03 U	0.01 U	0.02 U
004963	INEL	Combustible	223	339	0.08 U	0.04 U	0.05 U
004968	RFETS	Uncategorized Metal	217	320	0.58 U	0.41 U	0.54 U
004981	RFETS	Uncategorized Metal	217	320	0.01 U	0.01 U	0.01 U
004988	RFETS	Salt Waste	224	411	0.03 U	0.02 U	0.03 U
005006	RFETS	Salt Waste	224	411	0.03 U	0.02 U	0.03 U
005012	INEL	Combustible	223	339	0.02 U	0.01 U	0.01 U
005015	INEL	Solidified Organics	226	432	1.50 U	1.00 U	1.00 U
005235	INEL	Solidified Organics	226	432	0.03 U	0.02 U	0.02 U
005262	INEL	Solidified Organics	212	3	220.00 U	98.00 U	140.00 U
005358	INEL	Solidified Inorganics	211	1	0.02 U	0.01 U	0.01 U
005398	INEL	Solidified Inorganics	211	1	0.03 U	0.02 U	0.03 U
005415	INEL	Solidified Inorganics	211	1	0.03 U	0.02 U	0.03 U
005530	INEL	Graphite	215	300	0.02 U	0.01 U	0.02 U
005535	INEL	Solidified Organics	226	432	0.06 U	0.04 U	0.04 U



**Table 2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
005735	INEL	Solidified Inorganics	211	7	0.03 U	0.02 U	0.03 U
005738	INEL	Solidified Inorganics	211	7	0.02 U	0.02 U	0.02 U
006242	INEL	Inorganic Non-metal	222	371	0.03 U	0.02 U	0.02 U
006252	RFETS	Lead/Cadmium Metal Waste	123	339	3.90 U	2.80 U	3.70 U
006325	RFETS	Solidified Inorganics	213	4	0.01 U	0.01 J	0.04 J
006669	INEL	Solidified Inorganics	214	292	0.15 U	0.10 U	0.14 U
006773	RFETS	Solidified Inorganics	213	4	0.11 U	0.08 U	0.10 U
006857	INEL	Combustible	223	339	0.02 U	0.01 U	0.02 U
006865	RFETS	Solidified Organics	226	432	0.08 U	0.06 U	0.07 U
006876	INEL	Filter	219	335	0.02 U	0.01 U	0.02 U
006879	INEL	Solidified Organics	226	432	0.10 U	0.07 U	0.07 U
006886	INEL	Solidified Organics	226	432	0.33 U	0.23 U	0.23 U
007034	INEL	Combustible	216	337	2.10 U	1.50 U	1.50 U
007146	INEL	Inorganic Non-metal	222	371	1.70 U	1.20 U	1.20 U
007170	INEL	Combustible	216	337	0.40 U	0.22 U	0.26 U
007231	INEL	Filter	219	338	0.18 U	0.10 U	0.12 U
007511	INEL	Inorganic Non-metal	122	374	0.04 U	0.03 U	0.04 U
007518	INEL	Inorganic Non-metal	122	374	0.06 U	0.04 U	0.06 U
007667	INEL	Salt Waste	124	411	0.01 U	0.01 U	0.01 U
007920	INEL	Filter	121	302	0.24 U	0.17 U	0.22 U
008203	INEL	Inorganic Non-metal	118	440	0.06 U	0.04 U	0.06 U
008207	INEL	Heterogeneous	116	336	0.07 U	0.05 U	0.07 U
008218	INEL	Heterogeneous	116	330	0.07 U	0.05 U	0.07 U
008269	INEL	Uncategorized Metal	117	320	0.19 U	0.14 U	0.18 U
008287	INEL	Inorganic Non-metal	122	374	0.03 U	0.02 U	0.03 U
008359	INEL	Heterogeneous	116	330	0.19 U	0.14 U	0.18 U
008383	INEL	Lead/Cadmium Metal Waste	123	339	5.20 U	3.70 U	4.90 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

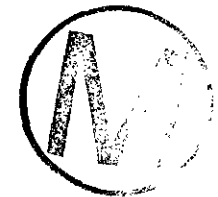
Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
008848	INEL	Inorganic Non-metal	218	440	0.60 JB	0.28 JB	0.42 JB
008859	INEL	Inorganic Non-metal	218	440	0.45 U	0.31 U	0.31 U
008860	INEL	Uncategorized Metal	217	480	1.10 U	0.79 U	0.79 U
008864	INEL	Uncategorized Metal	217	480	0.10 U	0.07 U	0.07 U
008872	INEL	Solidified Inorganics	214	292	0.04 U	0.03 U	0.04 U
008874	RFETS	Uncategorized Metal	217	480	35.00 U	24.00 U	33.00 U
008878	INEL	Uncategorized Metal	217	480	4.80 U	3.30 U	3.30 U
008880	RFETS	Graphite	115	312	1.40 U	0.95 U	1.30 U
009006	INEL	Solidified Inorganics	211	7	0.05 JB	0.04 JB	0.06 JB
009011	RFETS	Solidified Inorganics	211	7	0.01 U	0.01 J	0.02 JB
009061	RFETS	Inorganic Non-metal	218	440	0.10 U	0.07 U	0.09 U
009180	INEL	Combustible	223	339	0.90 U	0.49 U	0.59 U
009225	INEL	Uncategorized Metal	217	481	0.03 U	0.02 U	0.02 U
009252	INEL	Combustible	223	339	21.00 U	15.00 U	15.00 U
009296	INEL	Combustible	223	339	3.00 U	2.10 U	2.10 U
009299	INEL	Combustible	223	339	0.02 U	0.01 U	0.02 U
009399	INEL	Inorganic Non-metal	218	440	0.39 U	0.27 U	0.27 U
009422	RFETS	Combustible	216	337	5.60 U	3.90 U	5.20 U
009423	INEL	Combustible	216	337	1.80 U	0.78 U	1.10 U
009435	INEL	Combustible	216	337	0.39 U	0.27 U	0.27 U
009449	INEL	Inorganic Non-metal	218	440	0.04 U	0.03 U	0.03 U
009471	INEL	Combustible	216	337	0.09 U	0.05 U	0.06 U
009475	INEL	Inorganic Non-metal	218	442	0.72 U	0.31 U	0.45 U
009489	INEL	Combustible	216	337	0.23 U	0.13 U	0.15 U
009587	INEL	Uncategorized Metal	117	320	0.01 U	0.01 U	0.01 U
009591	INEL	Inorganic Non-metal	118		0.04 U	0.03 U	0.04 U
009592	INEL	Inorganic Non-metal	118	440	0.07 U	0.05 U	0.08 J



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**Table 2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
009596	INEL	Uncategorized Metal	117	320	0.14 U	0.09 U	0.13 U
009599	INEL	Inorganic Non-metal	118	440	0.03 U	0.02 U	0.03 U
009602	INEL	Inorganic Non-metal	218	442	2.00 U	1.40 U	1.40 U
009694	INEL	Graphite	215	300	0.02 U	0.02 J	0.03 J
009735	INEL	Graphite	215	300	0.02 U	0.01 U	0.01 U
009773	INEL	Combustible	223	339	5.40 U	2.40 U	3.40 U
009787	RFETS	Solidified Organics	212	3	180.00 U	130.00 U	170.00 U
009873	RFETS	Solidified Inorganics	211	1	0.05 U	0.03 U	0.05 U
010216	INEL	Filter	219	338	1.10 U	0.61 U	0.74 U
010224	INEL	Filter	219	338	0.34 U	0.18 U	0.22 U
010230	INEL	Heterogeneous	216	330	0.18 U	0.10 U	0.15 J
010273	INEL	Combustible	216	337	0.16 U	0.09 U	0.11 U
010295	INEL	Inorganic Non-metal	218	442	0.06 U	0.04 U	0.04 U
010305	RFETS	Inorganic Non-metal	218	442	0.70 U	0.49 U	0.65 U
010364	RFETS	Combustible	216	337	0.89 U	0.62 U	0.83 U
010371	INEL	Combustible	216	337	0.40 U	0.25 U	0.28 U
010407	RFETS	Uncategorized Metal	217	480	0.12 U	0.10 J	0.19 J
010411	INEL	Combustible	216	337	2.00 U	1.40 U	1.40 U
010415	INEL	Inorganic Non-metal	218	442	0.03 U	0.02 U	0.02 U
010426	INEL	Inorganic Non-metal	218	442	0.02 U	0.01 U	0.01 U
010463	INEL	Solidified Inorganics	213	4	0.30 U	0.21 U	0.21 U
010487	INEL	Salt Waste	224	414	0.54 U	0.38 U	0.38 U
010492	INEL	Uncategorized Metal	217	480	0.58 U	0.41 U	0.41 U
010498	INEL	Uncategorized Metal	217	480	0.05 U	0.02 U	0.03 U
010510	RFETS	Heterogeneous	216	336	1.70 U	1.20 U	1.60 U
010546	RFETS	Heterogeneous	216	330	47.00 U	32.00 U	43.00 U
010578	INEL	Solidified Organics	226	432	1.00 U	0.71 U	0.71 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

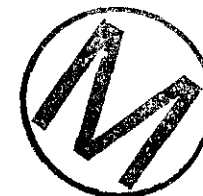
Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
010588	RFETS	Solidified Inorganics	211	2	0.88 U	0.61 U	0.82 U
010663	INEL	Combustible	216	337	0.58 U	0.32 U	0.38 U
010676	INEL	Heterogeneous	216	330	0.46 U	0.25 U	0.31 U
010800	INEL	Filter	219	338	0.16 U	0.09 U	0.10 U
010807	INEL	Combustible	216	337	1.30 U	0.92 U	0.92 U
010808	INEL	Combustible	216	337	0.38 U	0.16 U	0.25 JB
010814	RFETS	Solidified Inorganics	211	1	0.36 U	0.25 U	0.33 U
010837	INEL	Solidified Organics	226	432	0.45 U	0.31 U	0.31 U
010848	INEL	Filter	219	338	0.44 U	0.24 U	0.29 U
010883	INEL	Solidified Organics	226	432	1.20 U	0.81 U	0.81 U
010921	INEL	Inorganic Non-metal	222	371	0.10 U	0.07 U	0.07 U
011004	INEL	Uncategorized Metal	217	480	0.03 U	0.02 U	0.02 U
011021	INEL	Solidified Organics	226	432	0.18 U	0.12 U	0.12 U
011042	INEL	Inorganic Non-metal	218	442	0.62 U	0.44 U	0.44 U
011044	INEL	Inorganic Non-metal	218	440	0.36 U	0.25 U	0.25 U
011067	RFETS	Solidified Inorganics	213	4	1.20 U	0.82 U	1.10 U
011102	RFETS	Solidified Inorganics	211	1	0.28 U	0.20 U	0.26 U
011109	INEL	Solidified Inorganics	211	1	0.21 U	0.09 U	0.14 U
011147	INEL	Solidified Inorganics	213	4	0.25 U	0.11 U	0.16 U
011173	INEL	Uncategorized Metal	217	480	0.06 U	0.03 U	0.04 U
011194	INEL	Inorganic Non-metal	218	442	0.07 U	0.05 U	0.05 U
011393	INEL	Uncategorized Metal	217	480	0.15 U	0.10 U	0.10 U
011416	INEL	Combustible	216	337	0.66 U	0.46 U	0.46 U
011433	INEL	Heterogeneous	216	330	0.58 U	0.32 U	0.38 U
011498	RFETS	Solidified Organics	226	432	1.70 U	1.20 U	1.20 U
011529	INEL	Uncategorized Metal	217	480	0.03 U	0.02 U	0.02 U
011601	INEL	Heterogeneous	216		1.40 U	0.74 U	0.90 U



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Table 2-4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
011607	INEL	Heterogeneous	216	330	0.03 U	0.02 U	0.02 U
011637	RFETS	Filter	219	338	0.88 U	0.61 U	0.82 U
011735	INEL	Heterogeneous	216	330	0.89 U	0.62 U	0.62 U
011749	INEL	Inorganic Non-metal	225	441	0.25 U	0.18 U	0.18 U
011785	RFETS	Solidified Inorganics	211	1	0.03 U	0.02 U	0.03 U
012021	INEL	Solidified Inorganics	211	1	0.39 U	0.27 U	0.27 U
012108	INEL	Solidified Inorganics	214	292	0.39 U	0.27 U	0.27 U
012111	INEL	Combustible	216	337	1.90 U	1.00 U	1.20 U
012215	INEL	Uncategorized Metal	217	480	0.42 U	0.29 U	0.29 U
012313	INEL	Heterogeneous	216	336	0.70 U	0.38 U	0.46 U
012320	INEL	Heterogeneous	216	336	2.00 U	1.40 U	1.40 U
012356	INEL	Filter	219	338	0.25 U	0.31 J	0.24 J
012357	RFETS	Uncategorized Metal	217	480	3.20 U	2.20 U	2.90 U
012433	INEL	Filter	219	338	0.22 U	0.12 U	0.15 U
012469	RFETS	Solidified Inorganics	211	1	0.36 U	0.25 U	0.33 U
012471	RFETS	Filter	219	338	0.19 U	0.13 U	0.27 JB
012487	INEL	Inorganic Non-metal	218	440	0.02 U	0.01 U	0.02 JB
012494	INEL	Heterogeneous	216	330	1.20 U	0.83 U	0.83 U
012541	INEL	Inorganic Non-metal	218	442	0.03 U	0.02 U	0.03 J
012553	INEL	Solidified Inorganics	211	1	0.03 U	0.09 J	0.09 J
012571	INEL	Uncategorized Metal	217	320	0.02 U	0.01 U	0.01 U
012611	INEL	Solidified Inorganics	211	1	0.62 U	0.44 U	0.44 U
012634	INEL	Solidified Inorganics	211	1	1.70 U	1.20 U	1.20 U
012749	INEL	Solidified Inorganics	211	1	0.33 U	0.23 U	0.23 U
012766	INEL	Heterogeneous	216	336	3.00 U	2.10 U	2.10 U
012802	INEL	Combustible	216	337	1.30 U	0.57 U	0.82 U
012875	RFETS	Solidified Organics	226	432	4.00 U	2.80 U	2.80 U



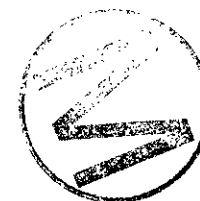
**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
012878	INEL	Uncategorized Metal	217	480	0.68 U	0.30 U	0.43 U
012891	INEL	Heterogeneous	216	330	0.34 U	0.24 U	0.24 U
012902	INEL	Filter	219	338	0.02 U	0.01 U	0.02 U
012920	INEL	Inorganic Non-metal	222	371	1.20 U	0.83 U	0.83 U
012985	INEL	Inorganic Non-metal	222	371	2.00 U	1.40 U	1.40 U
012986	INEL	Heterogeneous	221	302	1.60 B	0.96 JB	2.30 B
012998	INEL	Combustible	216	337	0.68 U	0.48 U	0.48 U
013106	INEL	Solidified Inorganics	111	7	0.02 U	0.01 JB	0.02 J
013229	RFETS	Solidified Organics	226	432	0.15 U	0.10 U	0.10 U
013231	INEL	Graphite	215	300	0.02 U	0.01 U	0.02 U
013252	INEL	Inorganic Non-metal	222	371	0.03 U	0.02 U	0.02 U
013266	INEL	Combustible	223	339	0.42 U	0.29 U	0.29 U
013269	INEL	Inorganic Non-metal	218	440	0.06 U	0.03 U	0.04 U
013313	INEL	Inorganic Non-metal	218	440	0.03 U	0.02 U	0.02 U
013331	INEL	Salt Waste	124	411	0.07 U	0.05 U	0.07 U
013342	INEL	Inorganic Non-metal	218	440	0.02 U	0.01 U	0.02 J
013346	RFETS	Inorganic Non-metal	222	371	0.02 U	0.02 U	0.02 U
013618	INEL	Heterogeneous	216	330	2.00 U	1.40 U	1.40 U
013677	INEL	Filter	219	338	0.06 U	0.03 U	0.04 U
013751	INEL	Uncategorized Metal	217	480	0.89 U	0.62 U	0.62 U
013763	INEL	Combustible	223	339	16.00 U	10.00 U	11.00 U
013773	RFETS	Solidified Inorganics	111	7	0.08 U	0.07 J	0.14 JB
013818	RFETS	Solidified Inorganics	211	1	0.02 U	0.02 J	0.03 J
013820	RFETS	Solidified Inorganics	211	1	0.03 U	0.02 U	0.02 U
013847	INEL	Graphite	215	300	0.02 U	0.01 U	0.01 U
013860	INEL	Combustible	223	339	0.08 U	0.04 U	0.05 U
013876	RFETS	Solidified Inorganics	211	1	0.10 U	0.07 U	0.09 U



**Table 2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
014007	INEL	Solidified Inorganics	211	1	0.03 U	0.02 U	0.02 U
014009	INEL	Solidified Inorganics	211	7	0.19 JB	0.10 JB	0.17 JB
014010	INEL	Solidified Inorganics	211	7	0.02 U	0.01 J	0.03 J
014127	RFETS	Solidified Inorganics	211	7	0.02 U	0.02 J	0.05 J
014170	INEL	Solidified Inorganics	211	7	0.02 U	0.01 U	0.02 U
014330	INEL	Graphite	215	303	0.05 U	0.02 U	0.03 U
014334	INEL	Filter	219	335	0.07 U	0.04 U	0.05 U
014339	INEL	Solidified Organics	226	432	0.06 U	0.04 U	0.04 U
014342	INEL	Graphite	215	303	0.08 U	0.04 U	0.05 U
014345	INEL	Solidified Organics	226	432	0.05 U	0.03 U	0.04 J
014346	INEL	Combustible	223	339	0.02 U	0.01 U	0.02 U
014348	INEL	Graphite	215	300	0.02 U	0.01 U	0.01 U
014354	RFETS	Uncategorized Metal	217	481	0.01 U	0.01 U	0.01 U
014357	INEL	Combustible	223	339	16.00 U	10.00 U	11.00 U
014387	INEL	Solidified Inorganics	211	7	0.04 JB	0.04 JB	0.06 JB
014466	INEL	Heterogeneous	221	302	0.33 U	0.23 U	0.23 U
014484	INEL	Graphite	215	300	0.02 U	0.01 U	0.01 U
014502	RFETS	Solidified Inorganics	211	1	0.01 U	0.02 J	0.03 J
014504	RFETS	Solidified Inorganics	211	1	0.03 U	0.02 U	0.03 U
014773	INEL	Solidified Inorganics	214	292	0.05 U	0.04 U	0.05 U
015228	RFETS	Solidified Organics	226	432	0.18 U	0.12 U	0.12 U
015231	INEL	Inorganic Non-metal	218	440	0.03 U	0.02 U	0.02 U
015241	INEL	Inorganic Non-metal	218	442	0.05 U	0.04 U	0.04 U
015249	INEL	Graphite	215	300	0.02 U	0.01 U	0.02 U
015262	RFETS	Solidified Organics	226	432	1.70 U	1.20 U	1.20 U
015267	INEL	Uncategorized Metal	217	480	1.50 U	1.00 U	1.00 U
015338	INEL	Solidified Inorganics	211	7	0.02 U	0.01 J	0.02 J



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
015434	RFETS	Solidified Organics	226	432	0.04 U	0.03 U	0.03 U
015440	RFETS	Solidified Organics	226	432	0.39 U	0.27 U	0.27 U
015515	RFETS	Solidified Organics	212	3	28.00 U	20.00 U	26.00 U
015532	RFETS	Solidified Organics	212	3	87.00 U	60.00 U	81.00 U
015543	INEL	Solidified Organics	212	3	37.00 U	26.00 U	26.00 U
015627	INEL	Graphite	215	300	0.02 U	0.01 U	0.01 U
015655	INEL	Solidified Inorganics	211	7	0.02 U	0.01 U	0.01 U
015674	INEL	Graphite	215	300	0.02 U	0.01 U	0.02 J
015675	INEL	Uncategorized Metal	217	480	0.07 U	0.05 U	0.05 U
015777	RFETS	Solidified Organics	226	432	0.07 U	0.05 U	0.05 U
015785	RFETS	Solidified Inorganics	211	1	0.34 U	0.24 U	0.32 U
015786	INEL	Solidified Inorganics	211	1	0.03 U	0.01 U	0.02 U
016242	INEL	Graphite	215	300	0.02 U	0.01 U	0.01 JB
016612	INEL	Inorganic Non-metal	218	442	0.03 U	0.02 U	0.02 U
016613	INEL	Solidified Organics	226	432	0.21 U	0.15 U	0.15 U
016707	INEL	Graphite	215	300	0.02 U	0.01 U	0.01 U
016738	RFETS	Solidified Inorganics	211	7	1.30 U	0.92 U	1.20 U
016790	INEL	Graphite	215	300	0.02 U	0.91 J	2.00
016807	INEL	Solidified Inorganics	211	1	0.43 JB	0.23 JB	0.34 JB
016842	INEL	Graphite	215	300	0.02 U	0.01 U	0.01 U
016855	RFETS	Solidified Organics	212	3	130.00 U	94.00 U	120.00 U
016869	INEL	Solidified Inorganics	211	7	0.18 U	0.08 U	0.11 U
016964	RFETS	Solidified Inorganics	211	7	1.20 U	0.82 U	1.10 U
016986	INEL	Inorganic Non-metal	218	442	0.18 U	0.12 U	0.12 U
017148	INEL	Solidified Organics	226	432	0.64 U	0.44 U	0.44 U
017190	INEL	Solidified Inorganics	211	7	9.90 B	4.60 B	6.80 B
017444	INEL	Graphite	215	300	0.03 U	0.02 U	0.02 U





Table 2-4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
017453	INEL	Solidified Organics	212	3	39.00 U	27.00 U	36.00 U
017486	INEL	Solidified Inorganics	211	1	0.16 U	0.07 U	0.10 U
017491	INEL	Graphite	215	300	0.18 U	0.08 U	0.11 U
017495	INEL	Inorganic Non-metal	218	442	0.03 U	0.02 U	0.02 U
017496	INEL	Inorganic Non-metal	218	442	0.03 U	0.02 U	0.02 U
017698	RFETS	Solidified Inorganics	211	292	2.50 U	1.70 U	2.30 U
017709	INEL	Solidified Inorganics	211	1	0.02 U	0.01 U	0.01 U
017728	RFETS	Solidified Inorganics	211	1	0.70 U	0.49 U	0.65 U
017742	INEL	Inorganic Non-metal	218	440	0.60 U	0.42 U	0.42 U
017756	RFETS	Solidified Organics	226	432	1.70 U	1.20 U	1.20 U
017759	INEL	Solidified Organics	226	432	1.20 U	0.83 U	0.83 U
017788	INEL	Solidified Inorganics	211	7	1.20 U	0.52 U	0.75 U
017863	INEL	Filter	119	376	0.10 U	0.07 U	0.09 U
018111	RFETS	Solidified Inorganics	211	1	0.02 U	0.01 U	0.01 U
018219	RFETS	Solidified Inorganics	211	7	1.20 U	0.82 U	1.10 U
018299	INEL	Filter	119	376	0.15 U	0.10 U	0.14 U
018413	INEL	Graphite	115	300	0.01 U	0.01 U	0.01 U
018441	INEL	Graphite	115	300	0.03 U	0.02 U	0.03 U
018464	INEL	Graphite	115	300	0.01 U	0.01 U	0.01 U
018476	INEL	Solidified Inorganics	111	292	0.10 U	0.07 U	0.09 U
018491	INEL	Graphite	115	300	0.03 U	0.02 U	0.03 U
019410	INEL	Lead/Cadmium Metal Waste	123	339	0.65 U	0.45 U	0.60 U
019413	INEL	Lead/Cadmium Metal Waste	123	339	2.80 U	2.00 U	2.60 U
019572	INEL	Lead/Cadmium Metal Waste	123	339	0.06 U	0.04 U	0.06 U
021031	RFETS	Solidified Inorganics	214	292	0.04 U	0.03 U	0.04 U
021172	RFETS	Inorganic Non-metal	218	442	0.01 U	0.01 U	0.01 U
021306	INEL	Solidified Inorganics	213	4	0.03 U	0.02 U	0.03 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
021392	RFETS	Solidified Inorganics	214	292	0.16 U	0.11 U	0.15 U
021442	INEL	Solidified Inorganics	211	1	0.50 U	0.22 U	0.32 U
021488	RFETS	Inorganic Non-metal	218	442	0.04 U	0.03 U	0.04 U
021503	RFETS	Inorganic Non-metal	218	440	0.17 U	0.12 U	0.16 U
021511	RFETS	Solidified Inorganics	213	4	0.04 U	0.03 U	0.04 U
021512	INEL	Solidified Inorganics	211	7	0.95 U	0.66 U	0.66 U
021523	INEL	Solidified Organics	226	432	0.60 U	0.43 J	0.98 J
021565	INEL	Solidified Inorganics	211	7	0.90 U	0.39 U	0.57 U
021572	INEL	Solidified Inorganics	211	7	1.30	0.64 J	0.98 J
021600	RFETS	Solidified Inorganics	211	1	0.28 U	0.20 U	0.26 U
021631	INEL	Inorganic Non-metal	218	442	0.03 U	0.02 U	0.02 U
021698	INEL	Inorganic Non-metal	218	440	1.10 U	0.78 U	0.78 U
021699	INEL	Solidified Inorganics	213	4	0.33 U	0.23 U	0.23 U
021700	RFETS	Solidified Inorganics	213	4	0.01 U	0.01 U	0.01 U
021806	INEL	Inorganic Non-metal	218	440	0.21 U	0.09 U	0.13 U
021816	INEL	Solidified Inorganics	211	1	0.11 U	0.05 U	0.07 U
021865	INEL	Solidified Inorganics	211	1	0.95 U	0.66 U	0.66 U
021993	INEL	Solidified Inorganics	211	2	0.45 U	0.31 U	0.31 U
022000	INEL	Inorganic Non-metal	218	440	0.10 U	0.07 U	0.07 U
022036	INEL	Uncategorized Metal	217	480	0.07 U	0.03 U	0.05 U
022038	RFETS	Uncategorized Metal	217	481	0.18 U	0.13 U	0.17 U
022052	INEL	Uncategorized Metal	217	481	0.02 U	0.01 U	0.02 U
022102	INEL	Solidified Organics	226	432	0.10 U	0.12 J	0.07 J
022105	INEL	Solidified Inorganics	211	1	0.42 U	0.29 U	0.29 U
022119	INEL	Inorganic Non-metal	222	371	0.54 U	0.37 U	0.37 U
022121	INEL	Solidified Inorganics	211		0.16 U	0.07 U	0.10 U
022135	INEL	Solidified Inorganics	211		0.68 U	0.48 U	0.48 U



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**Table 4-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
022136	RFETS	Solidified Inorganics	211	7	0.88 U	0.61 U	0.82 U
022149	RFETS	Solidified Inorganics	211	7	0.22 U	0.15 U	0.20 U
022224	INEL	Solidified Inorganics	211	1	0.42 U	0.29 U	0.29 U
022226	RFETS	Inorganic Non-metal	222	371	1.20 U	0.82 U	1.10 U
022228	INEL	Inorganic Non-metal	222	371	0.15 U	0.26 J	0.21 J
022230	INEL	Inorganic Non-metal	222	371	0.12 U	0.11 J	0.08 U
022249	INEL	Uncategorized Metal	217	480	1.80 U	0.79 U	1.10 U
022275	INEL	Uncategorized Metal	217	480	0.40 U	0.18 U	0.26 U
022286	RFETS	Uncategorized Metal	217	480	0.50 U	0.35 U	0.47 U
022296	INEL	Solidified Inorganics	211	1	0.89 U	0.39 U	0.56 U
022306	INEL	Inorganic Non-metal	218	440	0.89 U	0.62 U	0.62 U
022338	INEL	Solidified Organics	212	3	120.00 U	83.00 U	83.00 U
022347	INEL	Inorganic Non-metal	218	440	0.28 U	0.12 U	0.18 U
022358	INEL	Uncategorized Metal	217	480	0.02 U	0.01 U	0.01 JB
022416	RFETS	Uncategorized Metal	217	320	0.05 U	0.04 U	0.05 U
022434	INEL	Solidified Organics	226	432	0.39 U	0.27 U	0.27 U
022442	INEL	Solidified Organics	226	432	1.14 U	0.77 U	0.77 U
022450	RFETS	Uncategorized Metal	217	320	0.09 U	0.06 U	0.08 U
022453	RFETS	Solidified Inorganics	211	2	0.08 U	0.14 J	0.19 J
022486	RFETS	Inorganic Non-metal	218	440	1.80 U	1.20 U	1.60 U
022511	INEL	Uncategorized Metal	217	480	0.92 U	0.64 U	0.64 U
022513	INEL	Solidified Organics	212	1	0.27 U	0.19 U	0.19 U
022517	INEL	Solidified Organics	226	432	0.11 U	0.08 U	0.09 J
022539	INEL	Solidified Organics	226	432	0.11 U	0.08 U	0.08 U
022549	INEL	Uncategorized Metal	217	480	1.50 U	1.00 U	1.00 U
022552	INEL	Inorganic Non-metal	218	442	0.34 U	0.24 U	0.24 U
022557	INEL	Uncategorized Metal	217	480	0.63 U	0.28 U	0.40 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
022595	INEL	Solidified Inorganics	211	1	0.30 U	0.13 U	0.19 U
022600	RFETS	Solidified Inorganics	213	4	0.27 U	0.27 J	0.26 U
022780	INEL	Solidified Inorganics	211	7	0.45 U	0.23 J	0.31 J
022789	INEL	Solidified Inorganics	211	7	0.66 U	0.46 U	0.46 U
022790	INEL	Solidified Inorganics	214	292	0.22 U	0.13 JB	0.29 JB
022803	INEL	Inorganic Non-metal	222	371	0.62 U	0.44 U	0.44 U
022807	INEL	Salt Waste	224	414	0.12 U	0.09 U	0.09 U
022811	INEL	Solidified Inorganics	211	7	0.38 U	0.16 U	0.24 U
022833	INEL	Solidified Inorganics	211	7	2.70 U	1.20 U	1.70 U
022841	INEL	Solidified Inorganics	211	7	1.40 U	0.63 U	0.90 U
022850	INEL	Solidified Inorganics	211	7	0.89 U	0.39 U	0.56 U
022874	INEL	Inorganic Non-metal	222	371	0.21 U	0.15 U	0.15 U
022894	INEL	Solidified Inorganics	211	1	0.13 U	0.31 J	0.62 J
022923	INEL	Inorganic Non-metal	218	440	0.39 U	0.27 U	0.27 U
023005	INEL	Solidified Inorganics	211	7	0.18 U	0.12 U	0.12 U
023027	RFETS	Uncategorized Metal	217	480	0.18 U	0.48 JB	0.99 JB
023041	RFETS	Inorganic Non-metal	222	371	0.28 U	0.20 U	0.26 U
023046	RFETS	Solidified Inorganics	211	7	0.50 U	0.35 U	0.47 U
023048	RFETS	Solidified Organics	226	432	0.42 U	0.29 U	0.29 U
023062	INEL	Solidified Inorganics	211	7	0.18 U	0.12 U	0.12 U
023211	INEL	Filter	119	376	0.06 U	0.04 U	0.06 U
023212	RFETS	Uncategorized Metal	217	480	0.58 U	0.41 U	0.54 U
023227	INEL	Uncategorized Metal	217	480	0.10 U	0.07 U	0.07 U
023229	INEL	Combustible	216	337	0.60 U	0.42 U	0.42 U
023235	RFETS	Heterogeneous	216	336	0.16 U	0.11 U	0.26 J
023238	INEL	Solidified Inorganics	211	1	0.20 U	0.09 U	0.12 U
023277	INEL	Inorganic Non-metal	222		1.00 U	0.73 U	0.73 U

Table 2-4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
023285	INEL	Solidified Inorganics	211	7	2.00 U	1.40 U	1.40 U
023312	INEL	Uncategorized Metal	217	480	0.90 U	0.39 U	0.57 U
023341	RFETS	Solidified Inorganics	211	7	0.01 U	0.05 J	0.08 J
023357	INEL	Solidified Inorganics	211	1	0.15 U	0.10 U	0.10 U
023383	RFETS	Uncategorized Metal	217	481	0.01 U	0.01 U	0.01 U
023384	INEL	Combustible	223	339	0.12 U	0.07 U	0.08 U
023388	INEL	Heterogeneous	216	330	0.10 U	0.06 U	0.07 U
023392	INEL	Solidified Inorganics	213	4	0.67 U	0.47 U	0.47 U
023407	INEL	Solidified Organics	212	3	23.00 U	16.00 U	16.00 U
023460	INEL	Inorganic Non-metal	218	442	0.03 U	0.02 U	0.02 U
023469	INEL	Solidified Organics	212	3	0.36 U	1.10 J	3.00 J
023492	INEL	Solidified Inorganics	211	7	0.74 U	0.52 U	0.52 U
023519	INEL	Solidified Organics	212	3	3.40 U	1.50 U	2.20 U
023535	INEL	Solidified Inorganics	211	7	0.89 U	0.39 U	0.56 U
023552	INEL	Solidified Inorganics	211	1	0.83 U	0.58 U	0.58 U
023662	INEL	Inorganic Non-metal	218	442	0.10 U	0.07 U	0.07 U
023681	INEL	Solidified Inorganics	211	1	0.36 U	0.25 U	0.25 U
023695	RFETS	Solidified Inorganics	211	2	0.18 U	0.13 U	0.17 U
023771	RFETS	Heterogeneous	216	330	0.19 U	0.13 U	0.18 U
023776	INEL	Heterogeneous	216	330	0.39 U	0.28 U	0.28 U
023805	INEL	Uncategorized Metal	217	480	0.02 U	0.06 J	0.04 JB
023827	RFETS	Uncategorized Metal	217	320	0.01 U	0.03 J	0.02 J
023840	INEL	Combustible	216	337	0.37 U	0.20 U	0.24 U
023901	INEL	Heterogeneous	216	330	0.36 U	0.19 U	0.24 U
023929	RFETS	Inorganic Non-metal	218	440	0.59 U	0.41 U	0.55 U
023959	INEL	Uncategorized Metal	217	480	1.30 U	0.93 U	0.93 U
024028	RFETS	Inorganic Non-metal	218	440	0.12 U	0.09 U	0.12 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
024029	INEL	Uncategorized Metal	217	480	0.02 U	0.01 U	0.02 U
024058	INEL	Solidified Inorganics	211	1	0.45 U	0.31 U	0.31 U
024059	INEL	Solidified Inorganics	214	292	0.18 U	0.32 J	0.18 J
024088	INEL	Combustible	216	337	0.34 U	0.24 U	0.24 U
024090	INEL	Combustible	216	337	0.56 U	0.30 U	0.37 U
024092	INEL	Combustible	216	337	1.50 U	1.00 U	1.00 U
024095	INEL	Combustible	216	337	0.23 U	0.13 U	0.15 U
024102	INEL	Combustible	216	337	0.51 U	0.35 U	0.35 U
024106	INEL	Combustible	216	337	0.74 U	0.52 U	0.52 U
024113	INEL	Combustible	216	337	0.22 U	0.16 U	0.16 U
024147	INEL	Solidified Inorganics	211	1	0.68 U	0.48 U	0.48 U
024165	INEL	Combustible	216	337	0.53 U	0.37 U	0.37 U
024168	INEL	Heterogeneous	216	330	0.03 U	0.02 U	0.02 U
024185	INEL	Salt Waste	224	409	0.03 U	0.12 J	0.07 J
024254	INEL	Salt Waste	224	414	0.05 U	0.25 J	0.34 J
024271	INEL	Inorganic Non-metal	218	442	0.10 U	0.07 U	0.07 U
024273	INEL	Inorganic Non-metal	218	442	0.19 U	0.14 U	0.14 U
024289	RFETS	Inorganic Non-metal	218	440	0.35 U	0.24 U	0.33 U
024295	INEL	Salt Waste	224	414	0.10 U	0.07 U	0.07 U
024308	INEL	Solidified Inorganics	211	2	0.15 U	0.42 J	0.51 J
024309	INEL	Solidified Inorganics	211	2	0.12 U	0.43 J	0.49 J
024311	INEL	Solidified Inorganics	211	2	0.24 U	0.33 J	0.45 J
024318	INEL	Solidified Inorganics	211	2	0.24 U	0.17 U	0.17 U
024506	INEL	Inorganic Non-metal	122	374	0.06 U	0.04 U	0.06 U
024507	INEL	Uncategorized Metal	117	480	0.07 U	0.05 U	0.07 U
024600	INEL	Uncategorized Metal	217	480	0.27 U	0.19 U	0.19 U
024638	INEL	Heterogeneous	216	3	0.13 U	0.09 U	0.09 U

Table 2-4  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
 (all data in ppmv)

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
024670	INEL	Solidified Inorganics	211	1	0.54 U	0.37 U	0.37 U
024765	INEL	Uncategorized Metal	217	480	0.06 U	0.03 U	0.04 U
024786	INEL	Uncategorized Metal	217	480	0.36 U	0.25 U	0.25 U
024850	INEL	Solidified Organics	226	432	0.10 U	0.07 U	0.07 U
024884	INEL	Uncategorized Metal	217	480	0.24 U	0.17 U	0.17 U
024897	INEL	Solidified Inorganics	211	1	0.24 U	0.17 U	0.17 U
024920	INEL	Solidified Inorganics	211	1	0.68 U	0.48 U	0.48 U
024991	INEL	Solidified Inorganics	211	1	0.33 U	0.23 U	0.23 U
025001	INEL	Solidified Organics	212	3	1.20 U	0.83 U	0.83 U
032284	INEL	Combustible	223	339	0.37 U	0.20 U	0.25 U
032287	RFETS	Solidified Inorganics	211	7	1.20 U	0.82 U	1.10 U
032467	INEL	Combustible	216	337	0.24 U	0.17 U	0.17 U
032469	RFETS	Combustible	216	337	0.39 U	0.27 U	0.36 U
032473	INEL	Combustible	216	337	1.60 U	1.10 U	1.10 U
032485	INEL	Combustible	216	337	0.93 U	0.65 U	0.65 U
032517	RFETS	Combustible	223	339	0.09 U	0.06 U	0.08 U
032521	INEL	Combustible	223	339	0.08 U	0.05 U	0.06 U
032525	INEL	Combustible	223	339	0.05 U	0.02 U	0.03 U
032526	INEL	Combustible	223	339	0.70 U	0.38 U	0.46 U
032529	INEL	Heterogeneous	216	336	0.22 U	0.10 U	0.11 J
032540	INEL	Uncategorized Metal	217	480	0.39 U	0.27 U	0.27 U
032632	INEL	Uncategorized Metal	217	480	0.18 U	0.10 U	0.12 U
032659	RFETS	Uncategorized Metal	217	480	0.31 U	0.21 U	0.28 U
032669	RFETS	Uncategorized Metal	217	480	0.33 U	0.23 U	0.31 U
032712	INEL	Uncategorized Metal	217	480	0.28 U	0.20 U	0.20 U
032715	RFETS	Combustible	216	337	0.09 U	0.06 U	0.08 U
032748	INEL	Combustible	223	339	0.22 U	0.10 U	0.11 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
032753	INEL	Uncategorized Metal	217	481	0.03 U	0.02 U	0.02 U
033091	INEL	Combustible	223	339	0.02 U	0.46 J	1.10
D01332	RFETS	Heterogeneous	116	832	0.50 U	0.50 U	1.00 U
D06288	RFETS	Filter	119	338	0.10 U	0.10 U	0.20 U
D06339	RFETS	Heterogeneous	0	337	0.20 U	0.20 U	0.40 U
D11129	RFETS	Filter	119	338	0.10 U	0.10 U	0.20 U
D13364	RFETS	Uncategorized Metal	117	480	0.10 U	0.10 U	0.10 U
D15680	RFETS	Heterogeneous	116	831	66.67 U	66.67 U	133.33 U
D17184	RFETS	Solidified Inorganics	111	800	0.10 U	0.10 U	0.10 U
D32439	RFETS	Filter	119	338	0.10 U	0.10 U	0.20 U
D32978	RFETS	Solidified Inorganics	111	803	5.67 U	5.67 U	11.33 U
D35301	RFETS	Solidified Inorganics	111	800	0.10 U	0.10 U	0.10 U
D35306	RFETS	Lead/Cadmium Metal Waste	123	339	0.20 U	0.20 U	0.40 U
D36606	RFETS	Uncategorized Metal	117	480	0.40 U	0.40 U	0.80 U
D38859	RFETS	Solidified Inorganics	111	803	0.10 U	0.10 U	0.10 U
D38989	RFETS	Heterogeneous	0	336	0.10 U	0.10 U	0.20 U
D41681	RFETS	Filter	119	338	0.10 U	0.10 U	0.20 U
D42280	RFETS	Solidified Organics	112	801	416.67 U	416.67 U	833.33 U
D47501	RFETS	Lead/Cadmium Metal Waste	0	341	0.10 U	0.10 U	0.20 U
D48182	RFETS	Filter	119	376	0.40 U	0.40 U	0.40 U
D48200	RFETS	Heterogeneous	116	831	8.00 U	8.00 U	8.00 U
D48377	RFETS	Inorganic Non-metal	118	368	0.10 U	0.10 U	0.10 U
D49662	RFETS	Solidified Inorganics	0	292	0.10 U	0.10 U	0.20 U
D49880	RFETS	Heterogeneous	0	336	0.27 U	0.27 U	0.53 U
D52318	RFETS	Lead/Cadmium Metal Waste	117	321	0.10 U	0.10 U	0.20 U
D52362	RFETS	Heterogeneous	116	831	0.20 U	0.20 U	0.20 U
D52726	RFETS	Heterogeneous	116	831	0.80 U	0.80 U	1.60 U



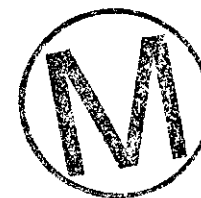


**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
D53672	RFETS	Inorganic Non-metal	118	440	0.20 U	0.20 U	0.20 U
D55656	RFETS	Heterogeneous	116	831	0.30 U	0.30 U	0.30 U
D55680	RFETS	Heterogeneous	116	821	0.20 U	0.20 U	0.20 U
D55938	RFETS	Heterogeneous	116	831	0.20 U	0.20 U	0.20 U
D56095	RFETS	Heterogeneous	0	337	0.10 U	0.10 U	0.20 U
D56595	RFETS	Heterogeneous	116	831	13.33 U	13.33 U	26.67 U
D56755	RFETS	Heterogeneous	116	821	0.10 U	0.10 U	0.10 U
D56823	RFETS	Heterogeneous	116	831	0.40 U	0.40 U	0.40 U
D57179	RFETS	Heterogeneous	0	330	2.00 U	2.00 U	4.00 U
D57522	RFETS	Heterogeneous	0	336	0.40 U	0.40 U	0.80 U
D57847	RFETS	Uncategorized Metal	117	480	0.40 U	0.40 U	0.80 U
D58143	RFETS	Solidified Inorganics	111	807	0.10 U	0.10 U	0.10 U
D58154	RFETS	Heterogeneous	116	831	0.40 U	0.40 U	0.80 U
D58627	RFETS	Heterogeneous	116	831	0.20 U	0.20 U	0.40 U
D58889	RFETS	Heterogeneous	116	831	0.20 U	0.20 U	0.40 U
D58970	RFETS	Solidified Inorganics	111	807	0.10 U	0.10 U	0.10 U
D59053	RFETS	Lead/Cadmium Metal Waste	0	341	0.10 U	0.10 U	0.20 U
D59703	RFETS	Heterogeneous	116	831	0.50 U	0.50 U	1.00 U
D59899	RFETS	Filter	0	331	0.50 U	0.50 U	1.00 U
D60056	RFETS	Lead/Cadmium Metal Waste	0	341	0.27 U	0.27 U	0.53 U
D60218	RFETS	Heterogeneous	116	821	2.20	4.61	8.44
D60298	RFETS	Solidified Organics	112	801	573.33 U	573.33 U	573.33 U
D60320	RFETS	Heterogeneous	0	330	28.00 U	28.00 U	56.00 U
D60463	RFETS	Inorganic Non-metal	118	440	0.10 U	0.10 U	0.10 U
D60511	RFETS	Filter	119	491	0.20 U	0.20 U	0.20 U
D60635	RFETS	Filter	119	491	0.10 U	0.10 U	0.10 U
D61245	RFETS	Heterogeneous	0	336	0.47 U	0.47 U	0.93 U

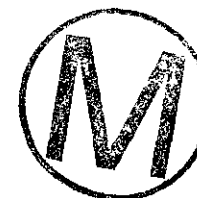
**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
D61278	RFETS	Heterogeneous	0	336	0.27 U	0.27 U	0.53 U
D61473	RFETS	Heterogeneous	0	377	0.30 U	0.30 U	0.30 U
D61504	RFETS	Lead/Cadmium Metal Waste	0	341	0.10 U	0.10 U	0.20 U
D61747	RFETS	Heterogeneous	0	330	0.27 U	0.27 U	0.53 U
D62340	RFETS	Heterogeneous	116	821	0.40 U	0.40 U	0.40 U
D62478	RFETS	Filter	119	376	0.40 U	0.40 U	0.40 U
D62714	RFETS	Heterogeneous	116	831	1.00 U	1.00 U	2.00 U
D62851	RFETS	Heterogeneous	116	825	0.30 U	0.30 U	0.30 U
D62855	RFETS	Heterogeneous	116	821	6.00 U	6.00 U	6.00 U
D63098	RFETS	Filter	0	331	0.50 U	0.50 U	1.00 U
D63229	RFETS	Heterogeneous	116	831	0.20 U	0.20 U	0.20 U
D63281	RFETS	Solidified Inorganics	111	807	0.10 U	0.10 U	0.10 U
D63460	RFETS	Heterogeneous	116	831	0.10 U	0.10 U	0.10 U
D63654	RFETS	Solidified Inorganics	111	807	0.10 U	0.10 U	0.10 U
D63808	RFETS	Heterogeneous	116	831	0.80 U	0.80 U	0.80 U
D63817	RFETS	Heterogeneous	116	821	1.60 U	1.60 U	1.60 U
D63819	RFETS	Solidified Inorganics	111	807	0.20 U	0.20 U	0.20 U
D63999	RFETS	Filter	119	491	0.30 U	0.30 U	0.30 U
D64004	RFETS	Filter	0	331	0.40 U	0.40 U	0.80 U
D64137	RFETS	Filter	119	335	0.10 U	0.10 U	0.10 U
D64448	RFETS	Heterogeneous	116	821	110.00 U	110.00 U	110.00 U
D64555	RFETS	Solidified Organics	112	801	573.33 U	573.33 U	573.33 U
D64632	RFETS	Solidified Inorganics	111	800	0.10 U	0.10 U	0.10 U
D64752	RFETS	Uncategorized Metal	117	480	2.00 U	2.00 U	4.00 U
D64758	RFETS	Heterogeneous	116	831	0.50 U	0.50 U	1.00 U
D64860	RFETS	Heterogeneous	116	821	12.00 U	12.00 U	24.00 U
D65212	RFETS	Heterogeneous	116	8	9.00 U	9.00 U	18.00 U



**Table 2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
D65213	RFETS	Heterogeneous	116	831	8.00 U	8.00 U	16.00 U
D65214	RFETS	Heterogeneous	116	831	73.67 U	73.67 U	73.67 U
D65530	RFETS	Solidified Inorganics	111	807	0.10 U	0.10 U	0.10 U
D65535	RFETS	Solidified Inorganics	111	807	0.10 U	0.10 U	0.10 U
D65546	RFETS	Solidified Inorganics	111	807	0.10 U	0.10 U	0.10 U
D65600	RFETS	Solidified Inorganics	111	807	0.10 U	0.10 U	0.10 U
D65731	RFETS	Inorganic Non-metal	122	375	0.40 U	0.40 U	0.40 U
D65734	RFETS	Uncategorized Metal	117	480	0.70 U	0.70 U	0.70 U
D65754	RFETS	Heterogeneous	116	831	0.67 U	0.67 U	1.33 U
D65757	RFETS	Heterogeneous	116	831	3.00 U	3.00 U	6.00 U
D65972	RFETS	Filter	119	376	0.30 U	0.30 U	0.30 U
D66128	RFETS	Heterogeneous	116	831	0.50 U	0.50 U	1.00 U
D66157	RFETS	Uncategorized Metal	117	480	2.00 U	2.00 U	4.54 J
D66162	RFETS	Lead/Cadmium Metal Waste	123	339	90.00 U	90.00 U	90.00 U
D66211	RFETS	Heterogeneous	116	833	0.10 U	0.10 U	0.10 U
D66213	RFETS	Heterogeneous	116	831	0.30 U	0.30 U	0.60 U
D66356	RFETS	Heterogeneous	116	831	166.67 U	166.67 U	333.33 U
D66378	RFETS	Heterogeneous	116	831	192.00 U	192.00 U	384.00 U
D66438	RFETS	Uncategorized Metal	117	480	1.60 U	1.60 U	1.60 U
D66523	RFETS	Solidified Organics	112	801	573.33 U	573.33 U	573.33 U
D66525	RFETS	Solidified Inorganics	111	800	0.27 U	0.27 U	0.53 U
D66631	RFETS	Heterogeneous	116	831	0.50 U	0.50 U	0.50 U
D66637	RFETS	Heterogeneous	116	831	8.00 U	8.00 U	16.00 U
D66641	RFETS	Heterogeneous	116	831	60.00 U	60.00 U	60.00 U
D66649	RFETS	Lead/Cadmium Metal Waste	123	339	56.00 U	56.00 U	56.00 U
D66773	RFETS	Uncategorized Metal	117	480	0.30 U	0.30 U	0.30 U
D66783	RFETS	Heterogeneous	116	831	250.00 U	250.00 U	250.00 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
D66792	RFETS	Heterogeneous	116	831	100.00 U	100.00 U	100.00 U
D66860	RFETS	Heterogeneous	116	833	0.20 U	0.20 U	0.20 U
D66875	RFETS	Heterogeneous	116	832	0.10 U	0.15 J	0.38 J
D66948	RFETS	Heterogeneous	116	831	6.00 U	6.00 U	6.00 U
D66949	RFETS	Heterogeneous	116	831	0.60 U	0.60 U	0.60 U
D66953	RFETS	Uncategorized Metal	117	480	1.60 U	1.60 U	3.20 U
D66958	RFETS	Heterogeneous	116	831	0.30 U	0.30 U	0.30 U
D67009	RFETS	Solidified Organics	112	801	340.00 U	340.00 U	340.00 U
D67012	RFETS	Solidified Organics	112	801	900.00 U	900.00 U	900.00 U
D67047	RFETS	Solidified Inorganics	111	807	0.20 U	0.20 U	0.20 U
D67251	RFETS	Uncategorized Metal	117	480	1200.00 U	1200.0 U	2400.0 U
D67263	RFETS	Heterogeneous	116	831	9.00 U	9.00 U	9.00 U
D67277	RFETS	Heterogeneous	116	831	14.00 U	14.00 U	14.00 U
D67278	RFETS	Heterogeneous	116	831	0.10 U	0.10 U	0.10 U
D67312	RFETS	Heterogeneous	116	825	0.20 U	0.20 U	0.20 U
D67317	RFETS	Uncategorized Metal	117	480	0.27 U	0.27 U	0.27 U
D67390	RFETS	Solidified Organics	112	801	130.00 U	130.00 U	130.00 U
D67391	RFETS	Heterogeneous	116	833	0.27 U	0.27 U	0.53 U
D67413	RFETS	Solidified Organics	112	801	750.00 U	750.00 U	750.00 U
D67434	RFETS	Solidified Inorganics	111	800	0.40 U	0.40 U	0.80 U
D67436	RFETS	Solidified Inorganics	111	800	0.13 U	0.13 U	0.27 U
D67441	RFETS	Solidified Inorganics	111	800	0.40 U	0.40 U	0.80 U
D67448	RFETS	Heterogeneous	116	852	0.10 U	0.10 U	0.10 U
D67455	RFETS	Filter	119	490	0.40 U	0.40 U	0.40 U
D67464	RFETS	Heterogeneous	116	831	240.00 U	240.00 U	240.00 U
D67524	RFETS	Heterogeneous	116	825	18.59 U	18.59 U	18.59 U
D67532	RFETS	Lead/Cadmium Metal Waste	123	3	6.30 U	6.30 U	6.30 U

**Table C-2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
D67535	RFETS	Heterogeneous	116	831	0.20 U	0.20 U	0.40 U
D67539	RFETS	Solidified Organics	112	801	320.00 U	320.00 U	320.00 U
D67541	RFETS	Heterogeneous	116	825	0.10 U	0.10 U	0.10 U
D67545	RFETS	Solidified Organics	112	801	90.00 U	90.00 U	90.00 U
D67567	RFETS	Heterogeneous	116	831	0.30 U	0.30 U	0.30 U
D67582	RFETS	Heterogeneous	116	831	0.40 U	0.40 U	0.40 U
D67603	RFETS	Uncategorized Metal	117	480	13.00 U	13.00 U	13.00 U
D67654	RFETS	Solidified Inorganics	111	800	0.27 U	0.27 U	0.53 U
D67657	RFETS	Solidified Inorganics	111	800	0.27 U	0.27 U	0.53 U
D67678	RFETS	Heterogeneous	116	825	0.43 U	0.43 U	0.43 U
D67698	RFETS	Heterogeneous	116	831	1.60 U	1.60 U	3.20 U
D67707	RFETS	Heterogeneous	116	831	0.50 U	0.50 U	1.00 U
D67734	RFETS	Heterogeneous	116	831	110.00 U	110.00 U	110.00 U
D67735	RFETS	Uncategorized Metal	117	480	1.80 U	1.80 U	1.80 U
D67759	RFETS	Heterogeneous	116	831	2.80 U	2.80 U	2.80 U
D67764	RFETS	Heterogeneous	116	831	2.00 U	2.00 U	4.00 U
D67766	RFETS	Heterogeneous	116	831	1.50 U	1.50 U	3.00 U
D67781	RFETS	Heterogeneous	116	831	0.30 U	0.30 U	0.30 U
D67908	RFETS	Heterogeneous	116	832	0.10 U	0.10 U	0.10 U
D67929	RFETS	Heterogeneous	116	832	0.10 U	0.10 U	0.20 U
D67989	RFETS	Heterogeneous	116	831	0.50 U	0.50 U	0.50 U
D67994	RFETS	Heterogeneous	116	831	2.67 U	2.67 U	5.33 U
D68044	RFETS	Heterogeneous	116	825	0.50 U	0.50 U	0.50 U
D68096	RFETS	Heterogeneous	116	821	0.20 U	0.20 U	0.20 U
D68247	RFETS	Solidified Inorganics	111	800	0.13 U	0.13 U	0.27 U
D68248	RFETS	Solidified Organics	112	801	150.00 U	150.00 U	150.00 U
D68250	RFETS	Solidified Organics	112	801	170.00 U	170.00 U	170.00 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromotography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
D68254	RFETS	Solidified Inorganics	111	800	0.27 U	0.27 U	0.53 U
D68256	RFETS	Solidified Inorganics	111	800	0.40 U	0.40 U	0.80 U
D68276	RFETS	Heterogeneous	116	852	0.10 U	0.10 U	0.10 U
D68277	RFETS	Uncategorized Metal	117	480	0.50 U	0.50 U	0.50 U
D68377	RFETS	Uncategorized Metal	117	480	0.20 U	0.20 U	0.40 U
D68460	RFETS	Heterogeneous	116	832	0.10 U	0.10 U	0.20 U
D68480	RFETS	Solidified Inorganics	111	800	0.10 U	0.10 U	0.20 U
D68486	RFETS	Solidified Organics	112	801	140.00 U	140.00 U	140.00 U
D68514	RFETS	Uncategorized Metal	117	480	0.10 U	0.10 U	0.10 U
D68538	RFETS	Lead/Cadmium Metal Waste	123	339	0.10 U	0.10 U	0.20 U
D68600	RFETS	Heterogeneous	116	825	18.00 U	18.00 U	18.00 U
D68601	RFETS	Heterogeneous	116	825	7.00 U	7.00 U	7.00 U
D68702	RFETS	Heterogeneous	116	833	0.10 U	0.10 U	0.10 U
D68724	RFETS	Heterogeneous	116	831	180.00 U	180.00 U	180.00 U
D68756	RFETS	Heterogeneous	116	831	0.20 U	0.20 U	0.40 U
D68885	RFETS	Heterogeneous	116	831	40.00 U	40.00 U	40.00 U
D68896	RFETS	Heterogeneous	116	831	213.00 U	213.00 U	213.00 U
D68975	RFETS	Solidified Organics	112	801	540.00 U	540.00 U	540.00 U
D68999	RFETS	Heterogeneous	116	821	0.40 U	0.40 U	0.40 U
D69091	RFETS	Heterogeneous	116	825	0.50 U	0.50 U	0.50 U
D69095	RFETS	Heterogeneous	116	833	0.54 U	0.54 U	0.54 U
D69113	RFETS	Heterogeneous	116	831	48.00 U	48.00 U	48.00 U
D69250	RFETS	Heterogeneous	116	833	0.10 U	0.10 U	0.10 U
D69287	RFETS	Heterogeneous	116	821	138.00 U	138.00 U	138.00 U
D69306	RFETS	Solidified Organics	112	801	250.00 U	250.00 U	250.00 U
D69312	RFETS	Solidified Inorganics	111	800	0.40 U	0.40 U	0.80 U
D69364	RFETS	Heterogeneous	116	800	0.30 U	0.30 U	0.30 U



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**Table 2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
D69400	RFETS	Heterogeneous	116	831	37.00 U	37.00 U	37.00 U
D69406	RFETS	Heterogeneous	116	831	50.00 U	50.00 U	50.00 U
D69413	RFETS	Heterogeneous	116	831	0.60 U	0.60 U	0.60 U
D69418	RFETS	Heterogeneous	116	831	73.40 U	73.40 U	73.40 U
D69431	RFETS	Heterogeneous	116	831	53.33 U	53.33 U	106.67 U
D69518	RFETS	Heterogeneous	116	833	0.20 U	0.20 U	0.20 U
D69602	RFETS	Heterogeneous	116	821	1.00 U	1.00 U	1.00 U
D69759	RFETS	Heterogeneous	116	833	0.30 U	0.30 U	0.30 U
D69855	RFETS	Heterogeneous	116	833	0.20 U	0.20 U	0.20 U
D69877	RFETS	Heterogeneous	116	825	0.50 U	0.50 U	0.50 U
D69883	RFETS	Heterogeneous	116	825	0.30 U	0.30 U	0.30 U
D69975	RFETS	Heterogeneous	116	821	0.70 U	0.70 U	0.70 U
D70063	RFETS	Heterogeneous	116	821	0.51 U	0.51 U	0.51 U
D70077	RFETS	Heterogeneous	116	831	60.00 U	60.00 U	60.00 U
D70229	RFETS	Heterogeneous	116	831	0.20 U	0.20 U	0.20 U
D70353	RFETS	Heterogeneous	116	833	0.20 U	0.20 U	0.20 U
D70370	RFETS	Heterogeneous	116	821	0.30 U	0.30 U	0.30 U
D70379	RFETS	Heterogeneous	116	833	0.10 U	0.10 U	0.10 U
D70383	RFETS	Heterogeneous	116	833	0.20 U	0.20 U	0.20 U
D70446	RFETS	Uncategorized Metal	117	480	1.00 U	1.00 U	2.00 U
D70448	RFETS	Heterogeneous	116	831	150.00 U	150.00 U	150.00 U
D70455	RFETS	Heterogeneous	116	831	0.70 U	0.70 U	0.70 U
D70543	RFETS	Solidified Organics	112	801	828.00 U	828.00 U	828.00 U
D70661	RFETS	Filter	0	331	0.60 U	0.60 U	1.20 U
D70669	RFETS	Uncategorized Metal	117	480	0.10 U	0.10 U	0.10 U
D70675	RFETS	Solidified Organics	112	801	0.10 U	0.10 U	0.10 U
D70682	RFETS	Heterogeneous	116	831	45.00 U	45.00 U	45.00 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
D70696	RFETS	Heterogeneous	116	821	0.60 U	0.60 U	0.60 U
D70734	RFETS	Heterogeneous	116	833	0.10 U	0.10 U	0.20 U
D70780	RFETS	Heterogeneous	116	832	0.10 U	0.10 U	0.20 U
D70856	RFETS	Heterogeneous	116	833	0.10 U	0.10 U	0.10 U
D70882	RFETS	Heterogeneous	116	831	14.00 U	14.00 U	14.00 U
D70937	RFETS	Filter	0	331	0.50 U	0.50 U	1.00 U
D71019	RFETS	Solidified Organics	112	801	1.30 U	1.30 U	1.30 U
D71020	RFETS	Solidified Organics	112	801	911.50 U	911.50 U	911.50 U
D71022	RFETS	Solidified Organics	112	801	1200.00 U	1200.0 U	2400.0 U
D71241	RFETS	Heterogeneous	116	833	0.10 U	0.10 U	0.20 U
D71351	RFETS	Uncategorized Metal	117	480	0.10 U	0.10 U	0.20 U
D71354	RFETS	Uncategorized Metal	117	480	0.10 U	0.10 U	0.20 U
D71385	RFETS	Heterogeneous	116	833	0.30 U	0.30 U	0.30 U
D71494	RFETS	Solidified Organics	112	801	0.10 U	0.10 U	0.10 U
D71504	RFETS	Solidified Organics	112	801	0.20 U	0.20 U	0.20 U
D71514	RFETS	Heterogeneous	116	833	0.20 U	0.20 U	0.20 U
D71521	RFETS	Heterogeneous	116	825	0.20 U	0.20 U	0.20 U
D71638	RFETS	Uncategorized Metal	117	480	1.00 U	1.00 U	2.00 U
D71804	RFETS	Heterogeneous	116	832	0.10 U	0.10 U	0.20 U
D71829	RFETS	Heterogeneous	116	852	220.00 U	220.00 U	220.00 U
D71838	RFETS	Heterogeneous	116	831	7.60 U	7.60 U	7.60 U
D71921	RFETS	Heterogeneous	116	833	0.10 U	0.14 J	0.20 U
D71932	RFETS	Solidified Organics	112	801	4367.96 U	4367.9 U	4367.9 U
D71933	RFETS	Solidified Organics	112	801	0.10 U	0.10 U	0.20 U
D71934	RFETS	Solidified Organics	112	801	0.10 U	0.10 U	0.20 U
D71936	RFETS	Heterogeneous	116	833	21.67 U	21.67 U	21.67 U
D71937	RFETS	Heterogeneous	116		33.33 U	33.33 U	66.67 U



**Table C-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
D71938	RFETS	Heterogeneous	116	833	1.80 U	1.80 U	1.80 U
D71940	RFETS	Solidified Organics	112	801	1000.00 U	1000.0 U	1000.0 U
D71941	RFETS	Solidified Organics	112	801	1000.00 U	1000.0 U	1000.0 U
D72010	RFETS	Heterogeneous	116	832	0.30 U	0.30 U	0.60 U
D72079	RFETS	Uncategorized Metal	117	480	6.50 U	6.50 U	6.50 U
D72127	RFETS	Solidified Organics	112	801	0.40 U	0.40 U	0.40 U
D72128	RFETS	Solidified Organics	112	801	130.00 U	130.00 U	130.00 U
D72131	RFETS	Heterogeneous	116	833	0.27 U	0.27 U	0.53 U
D72132	RFETS	Solidified Organics	112	801	48.00 U	48.00 U	96.00 U
D72133	RFETS	Solidified Organics	112	801	0.20 U	0.20 U	0.20 U
D72136	RFETS	Solidified Organics	112	801	21.00 U	21.00 U	21.00 U
D72139	RFETS	Solidified Organics	112	801	1.90 U	1.90 U	1.90 U
D72178	RFETS	Heterogeneous	116	821	0.30 U	0.30 U	0.30 U
D72186	RFETS	Heterogeneous	116	821	0.20 U	0.20 U	0.20 U
D72195	RFETS	Heterogeneous	116	833	0.10 U	0.10 U	0.10 U
D72255	RFETS	Heterogeneous	116	833	0.30 U	0.30 U	0.30 U
D72267	RFETS	Solidified Inorganics	111	800	0.10 U	0.10 U	0.10 U
D72293	RFETS	Heterogeneous	116	833	0.10 U	0.10 U	0.10 U
D72333	RFETS	Heterogeneous	116	831	0.30 U	0.37 J	0.30 U
D72339	RFETS	Heterogeneous	116	821	0.50 U	0.50 U	0.50 U
D72347	RFETS	Heterogeneous	116	833	0.10 U	0.10 U	0.10 U
D72375	RFETS	Heterogeneous	116	831	80.00 U	80.00 U	80.00 U
D72434	RFETS	Heterogeneous	116	831	210.00 U	210.00 U	210.00 U
D72436	RFETS	Uncategorized Metal	117	480	0.30 U	0.30 U	0.60 U
D72542	RFETS	Heterogeneous	116	832	10.00 U	10.00 U	20.00 U
D72545	RFETS	Solidified Inorganics	111	800	0.10 U	0.10 U	0.20 U
D72546	RFETS	Heterogeneous	116	832	15.00 U	15.00 U	30.00 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
D72566	RFETS	Solidified Organics	112	801	0.80 U	0.80 U	0.80 U
D72598	RFETS	Heterogeneous	116	821	0.60 U	0.60 U	0.60 U
D72618	RFETS	Heterogeneous	116	833	0.10 U	0.10 U	0.10 U
D72619	RFETS	Solidified Organics	112	801	0.10 U	0.10 U	0.10 U
D72623	RFETS	Solidified Organics	112	801	0.50 U	0.50 U	1.00 U
D72631	RFETS	Solidified Organics	112	801	0.10 U	0.10 U	0.10 U
D72632	RFETS	Solidified Organics	112	801	0.10 U	0.10 U	0.10 U
D72673	RFETS	Heterogeneous	116	833	0.20 U	0.20 U	0.20 U
D72819	RFETS	Heterogeneous	116	833	0.40 U	0.40 U	0.40 U
D72822	RFETS	Heterogeneous	116	831	0.27 U	0.27 U	0.53 U
D72831	RFETS	Uncategorized Metal	117	480	4.00 U	4.00 U	8.00 U
D72887	RFETS	Heterogeneous	116	833	0.10 U	0.10 U	0.10 U
D72923	RFETS	Heterogeneous	116	833	0.40 U	0.40 U	0.40 U
D72932	RFETS	Heterogeneous	116	825	0.30 U	0.30 U	0.30 U
D73054	RFETS	Heterogeneous	0	336	113.33 U	113.33 U	226.67 U
D73074	RFETS	Heterogeneous	116	833	0.20 U	0.20 U	0.20 U
D73117	RFETS	Uncategorized Metal	117	480	0.40 U	0.40 U	0.80 U
D73123	RFETS	Heterogeneous	116	831	126.00 U	126.00 U	126.00 U
D73134	RFETS	Heterogeneous	116	831	72.00 U	72.00 U	144.00 U
D73136	RFETS	Solidified Inorganics	111	807	0.10 U	0.10 U	0.20 U
D73274	RFETS	Heterogeneous	116	831	50.00 U	50.00 U	50.00 U
D73285	RFETS	Solidified Organics	112	801	0.10 U	0.10 U	0.10 U
D73293	RFETS	Solidified Organics	112	801	0.10 U	0.10 U	0.10 U
D73295	RFETS	Solidified Organics	112	801	0.10 U	0.10 U	0.10 U
D73296	RFETS	Solidified Organics	112	801	0.10 U	0.10 U	0.10 U
D73301	RFETS	Solidified Organics	112	801	0.20 U	0.20 U	0.20 U
D73605	RFETS	Lead/Cadmium Metal Waste	123	5	0.10 U	0.10 U	0.20 U

**Table 2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
D73632	RFETS	Heterogeneous	116	825	0.70 U	0.70 U	0.70 U
D73667	RFETS	Solidified Organics	112	801	0.10 U	0.10 U	0.10 U
D73672	RFETS	Solidified Organics	112	801	0.10 U	0.10 U	0.10 U
D73745	RFETS	Heterogeneous	116	832	0.10 U	0.10 U	0.20 U
D73828	RFETS	Heterogeneous	116	833	0.10 U	0.10 U	0.10 U
D73848	RFETS	Heterogeneous	116	821	0.13 U	0.13 U	0.13 U
D73987	RFETS	Lead/Cadmium Metal Waste	123	339	0.30 U	0.30 U	0.60 U
D74007	RFETS	Uncategorized Metal	117	480	0.30 U	0.30 U	0.60 U
D74110	RFETS	Heterogeneous	116	833	0.10 U	0.10 U	0.10 U
D74147	RFETS	Solidified Organics	112	801	0.80 U	0.80 U	0.80 U
D74156	RFETS	Solidified Organics	112	801	0.60 U	0.60 U	0.60 U
D74374	RFETS	Heterogeneous	116	833	0.10 U	0.10 U	0.20 U
D74683	RFETS	Heterogeneous	116	821	1.50 U	1.50 U	1.50 U
D74904	RFETS	Heterogeneous	116	832	0.10 U	0.10 U	0.20 U
D74913	RFETS	Heterogeneous	116	832	0.30 U	0.30 U	0.30 U
D75039	RFETS	Heterogeneous	116	832	3.47	10.55	16.31
D75265	RFETS	Heterogeneous	116	833	1.20 U	1.20 U	1.20 U
D75267	RFETS	Heterogeneous	116	832	0.20 U	0.20 U	0.20 U
D75278	RFETS	Heterogeneous	116	832	0.30 U	0.30 U	0.30 U
D75399	RFETS	Heterogeneous	116	833	0.40 U	0.40 U	0.40 U
D75564	RFETS	Heterogeneous	116	825	0.13 U	0.13 U	0.21 J
D75868	RFETS	Heterogeneous	116	825	0.60 U	0.60 U	0.60 U
D75888	RFETS	Heterogeneous	116	833	0.10 U	0.15 J	0.49 J
D75926	RFETS	Heterogeneous	116	832	0.40 U	0.40 U	0.40 U
D75930	RFETS	Heterogeneous	116	832	100.00 U	100.00 U	200.00 U
D75947	RFETS	Heterogeneous	116	832	0.10 U	0.10 U	0.10 U
D75976	RFETS	Heterogeneous	116	833	0.13 U	0.13 U	0.27 U

**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
D76044	RFETS	Heterogeneous	116	831	0.27 U	0.27 U	0.27 U
D76050	RFETS	Heterogeneous	116	832	0.10 U	0.30 J	0.80 J
D76054	RFETS	Heterogeneous	116	831	0.30 U	0.30 U	0.30 U
D76098	RFETS	Heterogeneous	116	832	0.20 U	0.20 U	0.40 U
D76135	RFETS	Solidified Organics	112	801	26.67 U	26.67 U	53.33 U
D76136	RFETS	Solidified Inorganics	111	803	0.40 U	0.40 U	0.80 U
D76138	RFETS	Solidified Inorganics	111	800	0.10 U	0.10 U	0.20 U
D76142	RFETS	Solidified Inorganics	111	800	0.24 U	0.24 J	0.48 U
D76143	RFETS	Solidified Inorganics	111	803	0.30 U	0.30 U	0.60 U
D76144	RFETS	Solidified Inorganics	111	800	0.67 U	0.67 U	1.33 U
D76146	RFETS	Solidified Inorganics	0	292	0.10 U	0.10 U	0.20 U
D76147	RFETS	Solidified Inorganics	111	803	0.10 U	0.10 U	0.10 U
D76182	RFETS	Solidified Inorganics	111	800	1.02 J	0.70 U	0.70 U
D76183	RFETS	Solidified Inorganics	111	800	0.13 U	0.23 J	0.44 J
D76185	RFETS	Solidified Inorganics	111	800	0.10 U	0.10 U	0.20 U
D76187	RFETS	Solidified Inorganics	111	803	0.50 U	0.50 U	1.00 U
D76189	RFETS	Solidified Inorganics	111	803	2.00 U	2.00 U	4.00 U
D76192	RFETS	Solidified Inorganics	111	803	0.10 U	0.10 U	0.20 U
D76194	RFETS	Solidified Inorganics	111	800	0.10 U	0.10 U	0.20 U
D76195	RFETS	Solidified Organics	112	801	480.00 U	480.00 U	480.00 U
D76196	RFETS	Solidified Organics	112	801	166.67 U	166.67 U	333.33 U
D76199	RFETS	Solidified Inorganics	111	800	0.10 U	0.10 U	0.20 U
D76200	RFETS	Solidified Organics	112	801	633.33 U	633.33 U	1266.6 U
D76203	RFETS	Solidified Organics	112	801	223.33 U	223.33 U	446.67 U
D76205	RFETS	Solidified Inorganics	111	800	0.10 U	0.10 U	0.20 U
D76206	RFETS	Solidified Inorganics	111	803	0.40 U	0.40 U	0.80 U
D76217	RFETS	Heterogeneous	116	8	1.00 U	1.00 U	2.00 U



**Table 2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
D76282	RFETS	Solidified Inorganics	111	800	11.33 U	11.33 U	22.67 U
D76283	RFETS	Solidified Organics	112	801	90.00 U	90.00 U	180.00 U
D76287	RFETS	Solidified Inorganics	111	800	5.33 U	5.33 U	10.67 U
D76293	RFETS	Heterogeneous	116	833	0.40 U	0.40 U	0.40 U
D76302	RFETS	Solidified Inorganics	111	800	3.00 U	3.00 U	6.00 U
D76303	RFETS	Solidified Inorganics	111	803	0.27 U	0.27 U	0.53 U
D76305	RFETS	Solidified Inorganics	111	800	12.00 U	12.00 U	24.00 U
D76306	RFETS	Heterogeneous	116	833	0.80 U	0.80 U	0.80 U
D76362	RFETS	Heterogeneous	116	833	6.67 U	6.67 U	13.33 U
D76406	RFETS	Heterogeneous	116	831	0.10 U	0.10 U	0.10 U
D76437	RFETS	Heterogeneous	116	833	0.20 U	0.20 U	0.20 U
D76443	RFETS	Heterogeneous	116	825	0.30 U	0.30 U	0.33 J
D76452	RFETS	Heterogeneous	116	825	0.20 U	0.20 U	0.20 U
D76454	RFETS	Heterogeneous	116	825	0.10 U	0.10 U	0.29 J
D76456	RFETS	Heterogeneous	116	825	0.10 U	0.10 U	0.24 J
D76461	RFETS	Heterogeneous	116	825	0.30 U	0.30 U	0.30 U
D76463	RFETS	Heterogeneous	116	825	0.30 U	0.30 U	0.30 U
D76470	RFETS	Solidified Inorganics	111	803	0.10 U	0.10 U	0.20 U
D76587	RFETS	Heterogeneous	116	825	0.10 U	0.10 U	0.10 U
D76596	RFETS	Heterogeneous	116	825	0.10 U	0.10 U	0.10 U
D76627	RFETS	Heterogeneous	116	825	0.10 U	0.10 U	0.10 U
D76630	RFETS	Heterogeneous	116	825	0.10 U	0.10 U	0.18 J
D76635	RFETS	Heterogeneous	116	825	0.20 U	0.20 U	0.59 J
D76652	RFETS	Heterogeneous	116	833	0.10 U	0.10 U	0.20 U
D76677	RFETS	Solidified Inorganics	111	800	2.40 U	2.40 U	2.40 U
D76710	RFETS	Heterogeneous	116	833	2.00 U	2.00 U	2.00 U
D76712	RFETS	Heterogeneous	116	833	0.30 U	0.30 U	0.30 U



**Table C2-4**  
**WIPP WASTE CHARACTERIZATION DATA**  
**Gas Chromatography/Mass Spectrometry Results**  
**(all data in ppmv)**

Drum #	Site	Waste Matrix Code Group	TruCon Code	IDC Code	1,1,2,2-Tetra chloro ethane	1,3,5-Tri methyl benzene	1,2,4-Tri methyl benzene
D76715	RFETS	Heterogeneous	116	832	0.20 U	0.20 U	0.20 U
D76811	RFETS	Heterogeneous	116	832	0.20 U	0.20 U	0.20 U
D76908	RFETS	Heterogeneous	116	833	0.10 U	0.10 U	0.10 U
D76911	RFETS	Heterogeneous	116	832	0.20 U	0.20 U	0.40 U
D77088	RFETS	Heterogeneous	116	833	0.20 U	0.20 U	0.40 U
D77227	RFETS	Heterogeneous	116	833	0.40 U	0.40 U	0.80 U
D77285	RFETS	Heterogeneous	116	833	0.20 U	0.20 U	0.20 U
D77621	RFETS	Heterogeneous	0	336	0.27 U	0.27 U	0.53 U
D80765	RFETS	Heterogeneous	116	833	0.20 U	0.20 U	0.20 U
D80772	RFETS	Heterogeneous	116	833	1.00 U	1.00 U	1.00 U
D80774	RFETS	Heterogeneous	116	833	3.10 U	3.10 U	3.10 U
D80776	RFETS	Heterogeneous	116	832	0.10 U	0.10 U	0.10 U

