ROCKWELL INTERNATIONAL
NORTH AMERICAN SPACE OPERATIONS
ROCKY FLATS PLANT

Remedial Investigation Report for High Priority Sites

(881 Hillside Area)

Volume VIII

U.S. DEPARTMENT OF ENERGY

Rocky Flats Plant
Golden, Colorado

1 MARCH 1988

ADMIN RECORD

REVIEWED FOR CLASSIFICATION/UCNI
By
Date 9/10/91

"REVIEWED FOR CLASSIFICATION
By
Date 6/12/90"

ROCKWELL INTERNATIONAL
NORTH AMERICAN SPACE OPERATIONS
ROCKY FLATS PLANT

Remedial Investigation Report for High Priority Sites

(881 Hillside Area)

Volume VIII

U.S. DEPARTMENT OF ENERGY

Rocky Flats Plant
Golden, Colorado

1 MARCH 1988

REVIEWED FOR CLASSIFICATION/UCNI
By
Date

"REVIEWED FOR CLASSIFICATION (U)
By R. B. Hoffman
Date 7-9-90

"REVIEWED FOR CLASSIFICATION (U)
By
Date 6/12/90

Appendix F

APPENDIX F

ANALYTICAL CHEMISTRY

APPENDIX F-1

SOILS ANALYTICAL DATA

VOLATILE ORGANICS

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
8706-022-0010	BH018701WT	01
8706-022-0030	BH018704WS	03
8706-022-0050	BH018710WS	05
3122-471-005	BH02870012	
3122-471-001	BH02871214	
8705-057-0110	BH02871420	11
8705-057-0130	BH028714CT	13
3122-471-006	BH028718BR	
8705-051-004	BH03870204	001
8705-051-005	BH038702WT	-02
8705-051-007	BH038709CT	-03
8705-051-008	BH038712BR	-04
8706-024-0030	BH04870610	03
8706-024-0040	BH048710WT	04
8706-024-0020	BH048715CT	02
8706-024-0010	BH048719BR	01
8705-051-014	BH05870005	-14
8705-051-015	BH058705CT	-15
8705-051-013	BH058708BR	-13
8705-051-010	BH06871020	-10
8705-051-012	BH068726CT	-12
8705-051-011	BH068730BR	-11
8705-057-0050	BH07870510	05
8705-057-0070	BH078705CT	07
8705-057-0010	BH078708BR	01
8705-057-0090	BH07871013	09
8705-057-0030	BH078710WS	03
8706-014-0030	BH08870007	03
8706-014-0070	BH088707CT	07
8706-014-0150	BH088710BR	15
8706-002-0050	BH09870010	05
8706-002-0030	BH098706WT	03
3122-471-009	BH098711CT	
8706-002-0010	BH098714BR	01
8706-005-0050	BH10870010	05
8706-005-0030	BH10871020	03
8706-005-0070	BH108720CT	07
8706-005-0010	BH108723BR	01
8706-010-0050	BH11870010	05
8706-010-0010	BH118711CT	01
8706-010-0030	BH118714WT	03
8705-059-0010	BH128702CT	01
8705-059-0030	BH128705BR	03
8706-004-0010	BH13870010	01
3122-471-004	BH138711CT	
8706-004-0030	BH138714BR	03
3122-471-003	BH148206CT	
3122-471-007	BH148703W1	
3122-471-002	BH148708W2	
3122-471-008	BH148709BR	
8706-014-0130	BH15870005	13
8706-014-0170	BH15870510	17

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
8706-014-0110	BH158726BR	11
8706-010-0110	BH16870206	11
8706-010-0090	BH168702CT	09
8706-010-0070	BH168706BR	07
8706-014-0090	BH17870005	09
8706-014-0050	BH178705CT	05
8706-014-0010	BH178708BR	01
8710-025-0050	BH578704DH	05
8710-025-0060	BH578708DH	06
8710-025-0070	BH578710UC	07
8710-025-0080	BH578712CT	08
8710-032-0130	BH578714BR	13
8710-032-0140	BH578716DH	14
8710-032-0150	BH578718DH	15
8710-032-0160	BH578720DH	16
8710-032-0170	BH578722DH	17
8710-032-0180	BH578724DH	18
8710-032-0190	BH578726DH	19
8710-032-0200	BH578728DH	20
8710-032-0210	BH588700UC	21
8710-032-0220	BH588702CT	22
8710-032-0230	BH588704BR	23
8710-016-0040	BH598704UC	04
8710-016-0050	BH598707CT	05
8710-016-0060	BH598709BR	06
8710-040-0020	BH618707DH	02
8710-051-0030	BH618709CT	-03
8710-051-0060	BH618712BR	-06
8710-073-0070	BH62870008	-07
8710-073-0080	BH6287008D	-08
8710-073-0100	BH628702DH	-10
8710-073-0060	BH628712CT	-06
8710-073-0010	BH628714BR	-01
8710-056-0040	BH63870008	-04
8710-056-0030	BH638712DH	-03
8710-063-0040	BH638718UC	-04
8710-063-0050	BH638722CT	-05
8710-063-0060	BH638724BR	-06

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-022-0010	8706-022-0030	8706-022-0050	3122-471-005
Customer ID:	BH018701WT	BH018704WS	BH018710WS	BH02870012
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	5.0	5.0	5.0	1

Surrogate Recovery

Toluene-d8:	103 %	103 %	102 %	95 %
Bromofluorobenzene:	104 %	103 %	103 %	96 %
1,2-Dichloroethane-d4:	110 %	110 %	111 %	107 %

Analytes

Chloromethane	50.00	U	50.00	U	50.00	U	10	U
Bromomethane	50.00	U	50.00	U	50.00	U	10	U
Vinyl Chloride	50.00	U	50.00	U	50.00	U	10	U
Chloroethane	50.00	U	50.00	U	50.00	U	10	U
Methylene Chloride	10	JB	12	JB	10	JB	23.1	
Acetone	400	B	400	B	470	B	18.1	
Carbon Disulfide	25.00	U	25.00	U	25.00	U	5	U
1,1-Dichloroethene	25.00	U	25.00	U	25.00	U	5	U
1,1-Dichloroethane	25.00	U	25.00	U	25.00	U	5	U
Trans-1,2-Dichloroethene	25.00	U	18	J	25.00	U	5	U
Chloroform	25.00	U	25.00	U	25.00	U	5	U
1,2-Dichloroethane	25.00	U	25.00	U	25.00	U	5	U
2-Butanone	120	B	120	B	77	B	10	U
1,1,1-Trichloroethane	25.00	U	25.00	U	25.00	U	5	U
Carbon Tetrachloride	25.00	U	25.00	U	25.00	U	5	U
Vinyl Acetate	50.00	U	50.00	U	50.00	U	10	U
Bromodichloromethane	25.00	U	25.00	U	25.00	U	5	U
1,2-Dichloropropane	25.00	U	25.00	U	25.00	U	5	U
Trans-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	5	U
Trichloroethene	25.00	U	120		25.00	U	5	U
Dibromochloromethane	25.00	U	25.00	U	25.00	U	5	U
1,1,2-Trichloroethane	25.00	U	25.00	U	25.00	U	5	U
Benzene	25.00	U	25.00	U	25.00	U	5	U
cis-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	5	U
2-Chloroethylvinylether	50.00	U	50.00	U	50.00	U	10	U
Bromoform	25.00	U	25.00	U	25.00	U	5	U
4-Methyl-2-pentanone	50.00	U	50.00	U	50.00	U	10	U
2-Hexanone	50.00	U	50.00	U	50.00	U	10	U
Tetrachloroethene	25.00	U	190		11	J	5	U
1,1,2,2-Tetrachloroethane	25.00	U	25.00	U	25.00	U	NR	
Toluene	25.00	U	25.00	U	25.00	U	5	U
Chlorobenzene	25.00	U	25.00	U	25.00	U	5	U
Ethylbenzene	25.00	U	25.00	U	25.00	U	5	U
Styrene	25.00	U	25.00	U	25.00	U	5	U
Total Xylenes	25.00	U	25.00	U	25.00	U	5	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	3122-471-001	8705-057-0110	8705-057-0130	3122-471-006
Customer ID:	BH02871214	BH02871420	BH028714CT	BH0287188R
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1	1.0	1.0	1

Surrogate Recovery

Toluene-d8:	110 %	99 %	100 %	104 %
Bromofluorobenzene:	106 %	98 %	98 %	113 %
1,2-Dichloroethane-d4:	116 %	102 %	110 %	94 %

Analytes

Chloromethane	10 U	10.00 U	10.00 U	10 U
Bromomethane	10 U	10.00 U	10.00 U	10 U
Vinyl Chloride	10 U	10.00 U	10.00 U	10 U
Chloroethane	10 U	10.00 U	10.00 U	10 U
Methylene Chloride	34.0	200 B	49 B	36.2
Acetone	46.3	100 B	82 B	78.3
Carbon Disulfide	5 U	5.00 U	5.00 U	5 U
1,1-Dichloroethene	5 U	5.00 U	5.00 U	5 U
1,1-Dichloroethane	5 U	5.00 U	5.00 U	5 U
Trans-1,2-Dichloroethene	5 U	5.00 U	5.00 U	5 U
Chloroform	5 U	5.00 U	5.00 U	5 U
1,2-Dichloroethane	5 U	5.00 U	5.00 U	5 U
2-Butanone	10 U	100	75	10 U
1,1,1-Trichloroethane	5 U	5.00 U	5.00 U	5 U
Carbon Tetrachloride	5 U	5.00 U	5.00 U	5 U
Vinyl Acetate	10 U	10.00 U	10.00 U	10 U
Bromodichloromethane	5 U	5.00 U	5.00 U	5 U
1,2-Dichloropropane	5 U	5.00 U	5.00 U	5 U
Trans-1,3-Dichloropropene	5 U	5.00 U	5.00 U	5 U
Trichloroethene	5 U	5.00 U	5.00 U	5 U
Dibromochloromethane	5 U	5.00 U	5.00 U	5 U
1,1,2-Trichloroethane	5 U	5.00 U	5.00 U	5 U
Benzene	5 U	5.00 U	5.00 U	5 U
cis-1,3-Dichloropropene	5 U	5.00 U	5.00 U	5 U
2-Chloroethylvinylether	10 U	10.00 U	10.00 U	10 U
Bromoform	5 U	5.00 U	5.00 U	5 U
4-Methyl-2-pentanone	10 U	10.00 U	10.00 U	10 U
2-Hexanone	10 U	10.00 U	10.00 U	10 U
Tetrachloroethene	5 U	5.00 U	5.00 U	5 U
1,1,2,2-Tetrachloroethane	NR	5.00 U	5.00 U	NR
Toluene	5 U	5.00 U	5.00 U	5 U
Chlorobenzene	5 U	5.00 U	5.00 U	5 U
Ethylbenzene	5 U	5.00 U	5.00 U	5 U
Styrene	5 U	5.00 U	5.00 U	5 U
Total Xylenes	5 U	5.00 U	5.00 U	5 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8705-051-004	8705-051-005	8705-051-007	8705-051-008
Customer ID:	BH03870204	BH038702WT	BH038709CT	BH038712BR
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1	1	1	1

Surrogate Recovery

Toluene-d8:	102 %	98 %	98 %	99 %
Bromofluorobenzene:	90 %	92 %	97 %	96 %
1,2-Dichloroethane-d4:	98 %	100 %	98 %	102 %

Analytes

Chloromethane.....	10 U	10 U	10 U	10 U
Bromomethane.....	10 U	10 U	10 U	10 U
Vinyl Chloride.....	10 U	10 U	10 U	10 U
Chloroethane.....	10 U	10 U	10 U	10 U
Methylene Chloride.....	2 JB	24 JB	13 J	8 J
Acetone.....	2 JB	9 JB	69 B	21 JB
Carbon Disulfide.....	5 U	5 U	5 U	5 U
1,1-Dichloroethene.....	5 U	5 U	5 U	5 U
1,1-Dichloroethane.....	5 U	5 U	5 U	5 U
Trans-1,2-Dichloroethene.....	5 U	5 U	5 U	5 U
Chloroform.....	5 U	5 U	5 U	5 U
1,2-Dichloroethane.....	5 U	5 U	5 U	5 U
2-Butanone.....	8 JB	14 JB	10 U	60
1,1,1-Trichloroethane.....	5 U	5 U	5 U	5 U
Carbon Tetrachloride.....	5 U	5 U	5 U	5 U
Vinyl Acetate.....	10 U	10 U	10 U	10 U
Bromodichloromethane.....	5 U	5 U	5 U	5 U
1,2-Dichloropropane.....	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene.....	5 U	5 U	5 U	5 U
Trichloroethene.....	5 U	5 U	5 U	5 U
Dibromochloromethane.....	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane.....	5 U	5 U	5 U	5 U
Benzene.....	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene.....	5 U	5 U	5 U	5 U
2-Chloroethylvinylether.....	10 U	10 U	10 U	10 U
Bromoform.....	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone.....	10 U	10 U	10 U	10 U
2-Hexanone.....	10 U	10 U	10 U	10 U
Tetrachloroethene.....	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane.....	5 U	5 U	5 U	5 U
Toluene.....	5 U	5 U	5 U	5 U
Chlorobenzene.....	5 U	5 U	5 U	5 U
Ethylbenzene.....	5 U	5 U	5 U	5 U
Styrene.....	5 U	5 U	5 U	5 U
Total Xylenes.....	5 U	5 U	5 U	5 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-024-0030	8706-024-0040	8706-024-0020	8706-024-0010
Customer ID:	BH04870610	BH048710WT	BH048715CT	BH048719BR
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	5.0	5.0	5.0	5.0

Surrogate Recovery

Toluene-d8:	101 %	102 %	98 %	102 %
Bromofluorobenzene:	101 %	104 %	113 %	109 %
1,2-Dichloroethane-d4:	113 %	115 %	114 %	106 %

Analytes

Chloromethane	50.00	U	50.00	U	50.00	U	50.00	U
Bromomethane	50.00	U	50.00	U	50.00	U	50.00	U
Vinyl Chloride	50.00	U	50.00	U	50.00	U	50.00	U
Chloroethane	50.00	U	50.00	U	50.00	U	50.00	U
Methylene Chloride	17	JB	16	JB	11	JB	22	JB
Acetone	200	B	490	B	350	B	650	B
Carbon Disulfide	25.00	U	25.00	U	25.00	U	25.00	U
1,1-Dichloroethene	25.00	U	25.00	U	25.00	U	25.00	U
1,1-Dichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Trans-1,2-Dichloroethene	25.00	U	25.00	U	25.00	U	25.00	U
Chloroform	25.00	U	25.00	U	25.00	U	25.00	U
1,2-Dichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
2-Butanone	110	B	110	B	120	B	150	B
1,1,1-Trichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Carbon Tetrachloride	25.00	U	25.00	U	25.00	U	25.00	U
Vinyl Acetate	50.00	U	50.00	U	50.00	U	50.00	U
Bromodichloromethane	25.00	U	25.00	U	25.00	U	25.00	U
1,2-Dichloropropane	25.00	U	25.00	U	25.00	U	25.00	U
Trans-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	25.00	U
Trichloroethene	25.00	U	25.00	U	25.00	U	25.00	U
Dibromochloromethane	25.00	U	25.00	U	25.00	U	25.00	U
1,1,2-Trichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Benzene	25.00	U	25.00	U	25.00	U	25.00	U
cis-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	25.00	U
2-Chloroethylvinylether	50.00	U	50.00	U	50.00	U	50.00	U
Bromoform	25.00	U	25.00	U	25.00	U	25.00	U
4-Methyl-2-pentanone	50.00	U	50.00	U	68		50.00	U
2-Hexanone	50.00	U	50.00	U	50.00	U	50.00	U
Tetrachloroethene	25.00	U	25.00	U	25.00	U	25.00	U
1,1,2,2-Tetrachloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Toluene	25.00	U	25.00	U	25.00	U	25.00	U
Chlorobenzene	25.00	U	25.00	U	25.00	U	25.00	U
Ethylbenzene	25.00	U	25.00	U	25.00	U	25.00	U
Styrene	25.00	U	25.00	U	25.00	U	25.00	U
Total Xylenes	25.00	U	25.00	U	25.00	U	25.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8705-051-014	8705-051-015	8705-051-013	8705-051-010
Customer ID:	BH05870005	BH058705CT	BH058708BR	BH06871020
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1	1	1	1

Surrogate Recovery

Toluene-d8:	100 %	100 %	100 %	100 %
Bromofluorobenzene:	109 %	98 %	102 %	100 %
1,2-Dichloroethane-d4:	104 %	105 %	108 %	107 %

Analytes

Chloromethane	104 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U
Methylene Chloride	38	18 J	38	42
Acetone	150 B	49 JB	130 B	190 B
Carbon Disulfide	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U
Trans-1,2-Dichloroethene	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U
Vinyl Acetate	10 U	10 U	10 U	10 U
Bromodichloromethane	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U
2-Chloroethylvinylether	10 U	10 U	10 U	10 U
Bromoform	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U
Tetrachloroethene	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U
Total Xylenes	5 U	5 U	5 U	5 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8705-051-012	8705-051-011	8705-057-0050	8705-057-0070
Customer ID:	BH068726CT	BH0687308R	BH07870510	BH078705CT
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1	1	1.0	1.0

Surrogate Recovery

Toluene-d8:	100 %	101 %	100 %	95 %
Bromofluorobenzene:	101 %	100 %	99 %	100 %
1,2-Dichloroethane-d4:	110 %	104 %	102 %	103 %

Analytes

Chloromethane	10 U	10 U	10.00 U	10.00 U
Bromomethane	10 U	10 U	10.00 U	10.00 U
Vinyl Chloride	10 U	10 U	10.00 U	10.00 U
Chloroethane	10 U	10 U	10.00 U	10.00 U
Methylene Chloride	83	23 J	210 B	200 B
Acetone	110 B	180 B	63 B	64 B
Carbon Disulfide	5 U	5 U	5.00 U	5.00 U
1,1-Dichloroethene	5 U	5 U	5.00 U	5.00 U
1,1-Dichloroethane	5 U	5 U	5.00 U	5.00 U
Trans-1,2-Dichloroethene	5 U	5 U	5.00 U	5.00 U
Chloroform	5 U	5 U	5.00 U	5.00 U
1,2-Dichloroethane	5 U	5 U	5.00 U	5.00 U
2-Butanone	10 U	10 U	79	370
1,1,1-Trichloroethane	5 U	5 U	5.00 U	5.00 U
Carbon Tetrachloride	5 U	5 U	5.00 U	5.00 U
Vinyl Acetate	10 U	10 U	10.00 U	10.00 U
Bromodichloromethane	5 U	5 U	5.00 U	5.00 U
1,2-Dichloropropane	5 U	5 U	5.00 U	5.00 U
Trans-1,3-Dichloropropene	5 U	5 U	5.00 U	5.00 U
Trichloroethene	5 U	5 U	5.00 U	5.00 U
Dibromochloromethane	5 U	5 U	5.00 U	5.00 U
1,1,2-Trichloroethane	5- U	5 U	5.00 U	5.00 U
Benzene	5 U	5 U	5.00 U	5.00 U
cis-1,3-Dichloropropene	5 U	5 U	5.00 U	5.00 U
2-Chloroethylvinylether	10 U	10 U	10.00 U	10.00 U
Bromoform	5 U	5 U	5.00 U	5.00 U
4-Methyl-2-pentanone	10 U	10 U	10.00 U	10.00 U
2-Hexanone	10 U	10 U	10.00 U	10.00 U
Tetrachloroethene	5 U	5 U	5.00 U	5.00 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5.00 U	5.00 U
Toluene	5 U	5 U	5.00 U	5.00 U
Chlorobenzene	5 U	5 U	5.00 U	5.00 U
Ethylbenzene	5 U	5 U	5.00 U	5.00 U
Styrene	5 U	5 U	5.00 U	5.00 U
Total Xylenes	5 U	5 U	5.00 U	5.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8705-057-0010	8705-057-0090	8705-057-0030	8706-014-0030
Customer ID:	BH078708BR	BH07871013	BH078710WS	BH08870007
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	5.0

Surrogate Recovery

Toluene-d8:	99 %	101 %	101 %	102 %
Bromofluorobenzene:	99 %	100 %	100 %	100 %
1,2-Dichloroethane-d4:	102 %	101 %	100 %	109 %

Analytes

Chloromethane	10.00 U	10.00 U	10.00 U	50.00 U
Bromomethane	10.00 U	10.00 U	10.00 U	50.00 U
Vinyl Chloride	10.00 U	10.00 U	10.00 U	50.00 U
Chloroethane	10.00 U	10.00 U	10.00 U	50.00 U
Methylene Chloride	590 B	130 B	49 B	32 B
Acetone	100 B	270 B	38 JB	39 JB
Carbon Disulfide	5.00 U	5.00 U	5.00 U	25.00 U
1,1-Dichloroethene	5.00 U	5.00 U	5.00 U	25.00 U
1,1-Dichloroethane	5.00 U	5.00 U	5.00 U	25.00 U
Trans-1,2-Dichloroethene	5.00 U	5.00 U	5.00 U	25.00 U
Chloroform	5.00 U	5.00 U	5.00 U	25.00 U
1,2-Dichloroethane	5.00 U	5.00 U	5.00 U	25.00 U
2-Butanone	66	21 J	130	33 J
1,1,1-Trichloroethane	5.00 U	5.00 U	5.00 U	25.00 U
Carbon Tetrachloride	5.00 U	5.00 U	5.00 U	25.00 U
Vinyl Acetate	10.00 U	10.00 U	10.00 U	50.00 U
Bromodichloromethane	5.00 U	5.00 U	5.00 U	25.00 U
1,2-Dichloropropane	5.00 U	5.00 U	5.00 U	25.00 U
Trans-1,3-Dichloropropene	5.00 U	5.00 U	5.00 U	25.00 U
Trichloroethene	5.00 U	5.00 U	5.00 U	25.00 U
Dibromochloromethane	5.00 U	5.00 U	5.00 U	25.00 U
1,1,2-Trichloroethane	5.00 U	5.00 U	5.00 U	25.00 U
Benzene	5.00 U	5.00 U	5.00 U	25.00 U
cis-1,3-Dichloropropene	5.00 U	5.00 U	5.00 U	25.00 U
2-Chloroethylvinylether	10.00 U	10.00 U	10.00 U	50.00 U
Bromoform	5.00 U	5.00 U	5.00 U	25.00 U
4-Methyl-2-pentanone	10.00 U	10.00 U	10.00 U	50.00 U
2-Hexanone	10.00 U	10.00 U	10.00 U	50.00 U
Tetrachloroethene	5.00 U	5.00 U	5.00 U	25.00 U
1,1,2,2-Tetrachloroethane	5.00 U	5.00 U	5.00 U	25.00 U
Toluene	5.00 U	5.00 U	5.00 U	25.00 U
Chlorobenzene	5.00 U	5.00 U	5.00 U	25.00 U
Ethylbenzene	5.00 U	5.00 U	5.00 U	25.00 U
Styrene	5.00 U	5.00 U	5.00 U	25.00 U
Total Xylenes	5.00 U	5.00 U	5.00 U	25.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-014-0070	8706-014-0150	8706-002-0050	8706-002-0030
Customer ID:	BH088707CT	BH0887108R	BH09870010	BH098706WT
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	5.0	5.0	1.0	1.0

Surrogate Recovery

Toluene-d8:	100 %	101 %	100 %	101 %
Bromofluorobenzene:	104 %	99 %	101 %	102 %
1,2-Dichloroethane-d4:	108 %	111 %	103 %	103 %

Analytes

Chloromethane	50.00	U	50.00	U	10.00	U	10.00	U
Bromomethane	50.00	U	50.00	U	10.00	U	10.00	U
Vinyl Chloride	50.00	U	50.00	U	10.00	U	10.00	U
Chloroethane	50.00	U	50.00	U	10.00	U	10.00	U
Methylene Chloride	23	JB	19	J	39	B	63	B
Acetone	31	JB	46	J	93	B	110	B
Carbon Disulfide	25.00	U	25.00	U	5.00	U	5.00	U
1,1-Dichloroethene	25.00	U	25.00	U	5.00	U	5.00	U
1,1-Dichloroethane	25.00	U	25.00	U	5.00	U	5.00	U
Trans-1,2-Dichloroethene	25.00	U	25.00	U	5.00	U	5.00	U
Chloroform	25.00	U	25.00	U	5.00	U	5.00	U
1,2-Dichloroethane	25.00	U	25.00	U	5.00	U	5.00	U
2-Butanone	20	J	50.00	U	10.00	U	390	
1,1,1-Trichloroethane	25.00	U	25.00	U	5.00	U	5.00	U
Carbon Tetrachloride	25.00	U	25.00	U	5.00	U	5.00	U
Vinyl Acetate	50.00	U	50.00	U	10.00	U	10.00	U
Bromodichloromethane	25.00	U	25.00	U	5.00	U	5.00	U
1,2-Dichloropropane	25.00	U	25.00	U	5.00	U	5.00	U
Trans-1,3-Dichloropropene	25.00	U	25.00	U	5.00	U	5.00	U
Trichloroethene	25.00	U	25.00	U	5.00	U	5.00	U
Dibromochloromethane	25.00	U	25.00	U	5.00	U	5.00	U
1,1,2-Trichloroethane	25.00	U	25.00	U	5.00	U	5.00	U
Benzene	25.00	U	25.00	U	5.00	U	5.00	U
cis-1,3-Dichloropropene	25.00	U	25.00	U	5.00	U	5.00	U
2-Chloroethylvinylether	50.00	U	50.00	U	10.00	U	10.00	U
Bromoform	25.00	U	25.00	U	5.00	U	5.00	U
4-Methyl-2-pentanone	50.00	U	50.00	U	10.00	U	10.00	U
2-Hexanone	50.00	U	50.00	U	10.00	U	10.00	U
Tetrachloroethene	25.00	U	25.00	U	5.00	U	5.00	U
1,1,2,2-Tetrachloroethane	25.00	U	25.00	U	5.00	U	5.00	U
Toluene	25.00	U	25.00	U	5.00	U	5.00	U
Chlorobenzene	25.00	U	25.00	U	5.00	U	5.00	U
Ethylbenzene	25.00	U	25.00	U	5.00	U	5.00	U
Styrene	25.00	U	25.00	U	5.00	U	5.00	U
Total Xylenes	25.00	U	25.00	U	5.00	U	5.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	3122-471-009	8706-002-0010	8706-005-0050	8706-005-0030
Customer ID:	BH098711CT	BH0987148R	BH10870010	BH10871020
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1	1.0	1.0	1.0

Surrogate Recovery

Toluene-d8:	100 %	103 %	99 %	101 %
Bromofluorobenzene:	%	106 %	97 %	98 %
1,2-Dichloroethane-d4:	92 %	104 %	105 %	106 %

Analytes

Chloromethane	10	U	10.00	U	10.00	U	10.00	U
Bromomethane	10	U	10.00	U	10.00	U	10.00	U
Vinyl Chloride	10	U	10.00	U	10.00	U	10.00	U
Chloroethane	10	U	10.00	U	10.00	U	10.00	U
Methylene Chloride	11.9		39	B	29	B	46	B
Acetone	14.7		280	B	50	JB	100	B
Carbon Disulfide	5	U	5.00	U	5.00	U	5.00	U
1,1-Dichloroethene	5	U	5.00	U	5.00	U	5.00	U
1,1-Dichloroethane	5	U	5.00	U	5.00	U	5.00	U
Trans-1,2-Dichloroethene	5	U	5.00	U	5.00	U	5.00	U
Chloroform	5	U	5.00	U	5.00	U	5.00	U
1,2-Dichloroethane	5	U	5.00	U	5.00	U	5.00	U
2-Butanone	10	U	130		10.00	U	10.00	U
1,1,1-Trichloroethane	5	U	5.00	U	5.00	U	5.00	U
Carbon Tetrachloride	5	U	5.00	U	5.00	U	5.00	U
Vinyl Acetate	10	U	10.00	U	10.00	U	10.00	U
Bromodichloromethane	5	U	5.00	U	5.00	U	5.00	U
1,2-Dichloropropane	5	U	5.00	U	5.00	U	5.00	U
Trans-1,3-Dichloropropene	5	U	5.00	U	5.00	U	5.00	U
Trichloroethene	5	U	5.00	U	5.00	U	5.00	U
Dibromochloromethane	5	U	5.00	U	5.00	U	5.00	U
1,1,2-Trichloroethane	5	U	5.00	U	5.00	U	5.00	U
Benzene	5	U	5.00	U	5.00	U	5.00	U
cis-1,3-Dichloropropene	5	U	5.00	U	5.00	U	5.00	U
2-Chloroethylvinylether	10	U	10.00	U	10.00	U	10.00	U
Bromoform	5	U	5.00	U	5.00	U	5.00	U
4-Methyl-2-pentanone	10	U	10.00	U	10.00	U	10.00	U
2-Hexanone	10	U	10.00	U	10.00	U	10.00	U
Tetrachloroethene	5	U	5.00	U	5.00	U	5.00	U
1,1,2,2-Tetrachloroethane	NR		5.00	U	5.00	U	5.00	U
Toluene	5	U	5.00	U	5.00	U	5.00	U
Chlorobenzene	5	U	5.00	U	5.00	U	5.00	U
Ethylbenzene	5	U	5.00	U	5.00	U	5.00	U
Styrene	5	U	5.00	U	5.00	U	5.00	U
Total Xylenes	5	U	5.00	U	5.00	U	5.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8706-005-0070	8706-005-0010	8706-010-0050	8706-010-0010
Customer ID:	BH108720CT	BH108723BR	BH11870010	BH118711CT
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	5.0	5.0

Surrogate Recovery

Toluene-d8:	98 %	99 %	95 %	102 %
Bromofluorobenzene:	97 %	96 %	103 %	98 %
1,2-Dichloroethane-d4:	102 %	102 %	114 %	106 %

Analytes

Chloromethane	10.00	U	10.00	U	50.00	U	50.00	U
Bromomethane	10.00	U	10.00	U	50.00	U	50.00	U
Vinyl Chloride	10.00	U	10.00	U	50.00	U	50.00	U
Chloroethane	10.00	U	10.00	U	50.00	U	50.00	U
Methylene Chloride	36	B	26	B	59	B	35	B
Acetone	150	B	130	B	180	B	130	B
Carbon Disulfide	5.00	U	5.00	U	25.00	U	25.00	U
1,1-Dichloroethene	5.00	U	5.00	U	25.00	U	25.00	U
1,1-Dichloroethane	5.00	U	5.00	U	25.00	U	25.00	U
Trans-1,2-Dichloroethene	5.00	U	5.00	U	25.00	U	25.00	U
Chloroform	5.00	U	5.00	U	25.00	U	25.00	U
1,2-Dichloroethane	5.00	U	5.00	U	25.00	U	25.00	U
2-Butanone	10.00	U	10.00	U	50.00	U	50.00	U
1,1,1-Trichloroethane	5.00	U	5.00	U	25.00	U	25.00	U
Carbon Tetrachloride	5.00	U	5.00	U	25.00	U	25.00	U
Vinyl Acetate	10.00	U	10.00	U	50.00	U	50.00	U
Bromodichloromethane	5.00	U	5.00	U	25.00	U	25.00	U
1,2-Dichloropropane	5.00	U	5.00	U	25.00	U	25.00	U
Trans-1,3-Dichloropropene	5.00	U	5.00	U	25.00	U	25.00	U
Trichloroethene	5.00	U	5.00	U	25.00	U	25.00	U
Dibromochloromethane	5.00	U	5.00	U	25.00	U	25.00	U
1,1,2-Trichloroethane	5.00	U	5.00	U	25.00	U	25.00	U
Benzene	5.00	U	5.00	U	25.00	U	25.00	U
cis-1,3-Dichloropropene	5.00	U	5.00	U	25.00	U	25.00	U
2-Chloroethylvinylether	10.00	U	10.00	U	50.00	U	50.00	U
Bromoform	5.00	U	5.00	U	25.00	U	25.00	U
4-Methyl-2-pentanone	10.00	U	10.00	U	50.00	U	50.00	U
2-Hexanone	10.00	U	10.00	U	50.00	U	50.00	U
Tetrachloroethene	5.00	U	5.00	U	25.00	U	25.00	U
1,1,2,2-Tetrachloroethane	5.00	U	5.00	U	25.00	U	25.00	U
Toluene	5.00	U	5.00	U	25.00	U	25.00	U
Chlorobenzene	5.00	U	5.00	U	25.00	U	25.00	U
Ethylbenzene	5.00	U	5.00	U	25.00	U	25.00	U
Styrene	5.00	U	5.00	U	25.00	U	25.00	U
Total Xylenes	5.00	U	5.00	U	25.00	U	25.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-010-0030	8705-059-0010	8705-059-0030	8706-004-0010
Customer ID:	BH118714WT	BH128702CT	BH128705BR	BH13870010
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	5.0	1.0	1.0	1.0

Surrogate Recovery

Toluene-d8:	102 %	101 %	100 %	98 %
Bromofluorobenzene:	99 %	94 %	96 %	101 %
1,2-Dichloroethane-d4:	107 %	98 %	96 %	105 %

Analytes

Chloromethane	50.00	U	10.00	U	10.00	U	10.00	U
Bromomethane	50.00	U	10.00	U	10.00	U	10.00	U
Vinyl Chloride	50.00	U	10.00	U	10.00	U	10.00	U
Chloroethane	50.00	U	10.00	U	10.00	U	10.00	U
Methylene Chloride	66	B	130	B	130	B	27	B
Acetone	160	B	85	B	66	B	15	JB
Carbon Disulfide	25.00	U	5.00	U	5.00	U	5.00	U
1,1-Dichloroethene	25.00	U	5.00	U	5.00	U	5.00	U
1,1-Dichloroethane	25.00	U	5.00	U	5.00	U	5.00	U
Trans-1,2-Dichloroethene	25.00	U	5.00	U	5.00	U	5.00	U
Chloroform	25.00	U	5.00	U	5.00	U	5.00	U
1,2-Dichloroethane	25.00	U	5.00	U	5.00	U	5.00	U
2-Butanone	50.00	U	37	J	27	J	10.00	U
1,1,1-Trichloroethane	25.00	U	5.00	U	5.00	U	5.00	U
Carbon Tetrachloride	25.00	U	5.00	U	5.00	U	5.00	U
Vinyl Acetate	50.00	U	10.00	U	10.00	U	10.00	U
Bromodichloromethane	25.00	U	5.00	U	5.00	U	5.00	U
1,2-Dichloropropane	25.00	U	5.00	U	5.00	U	5.00	U
Trans-1,3-Dichloropropene	25.00	U	5.00	U	5.00	U	5.00	U
Trichloroethene	25.00	U	5.00	U	5.00	U	5.00	U
Dibromochloromethane	25.00	U	5.00	U	5.00	U	5.00	U
1,1,2-Trichloroethane	25.00	U	5.00	U	5.00	U	5.00	U
Benzene	25.00	U	5.00	U	5.00	U	5.00	U
cis-1,3-Dichloropropene	25.00	U	5.00	U	5.00	U	5.00	U
2-Chloroethylvinylether	50.00	U	10.00	U	10.00	U	10.00	U
Bromoform	25.00	U	5.00	U	5.00	U	5.00	U
4-Methyl-2-pentanone	50.00	U	10.00	U	10.00	U	10.00	U
2-Hexanone	50.00	U	10.00	U	10.00	U	10.00	U
Tetrachloroethene	25.00	U	19	J	5.00	U	5.00	U
1,1,2,2-Tetrachloroethane	25.00	U	5.00	U	5.00	U	5.00	U
Toluene	25.00	U	5.00	U	5.00	U	5.00	U
Chlorobenzene	25.00	U	5.00	U	5.00	U	5.00	U
Ethylbenzene	25.00	U	5.00	U	5.00	U	5.00	U
Styrene	25.00	U	5.00	U	5.00	U	5.00	U
Total Xylenes	25.00	U	5.00	U	5.00	U	5.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	3122-471-004	8706-004-0030	3122-471-003	3122-471-007
Customer ID:	BH138711CT	BH138714BR	BH148206CT	BH148703W1
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1	1.0	1	1

Surrogate Recovery

Toluene-d8:	103 %	102 %	116 %	95 %
Bromofluorobenzene:	101 %	98 %	112 %	86 %
1,2-Dichloroethane-d4:	93 %	106 %	98 %	102 %

Analytes

Chloromethane	10 U	10.00 U	10 U	10 U
Bromomethane	10 U	10.00 U	10 U	10 U
Vinyl Chloride	10 U	10.00 U	10 U	10 U
Chloroethane	10 U	10.00 U	10 U	10 U
Methylene Chloride	27.9	46 B	27.1	46.9
Acetone	22	280 B	84.6	47.8
Carbon Disulfide	5 U	5.00 U	5 U	5 U
1,1-Dichloroethene	5 U	5.00 U	5 U	5 U
1,1-Dichloroethane	5 U	5.00 U	5 U	5 U
Trans-1,2-Dichloroethene	5 U	5.00 U	5 U	5 U
Chloroform	5 U	5.00 U	5 U	5 U
1,2-Dichloroethane	5 U	5.00 U	5 U	5 U
2-Butanone	10 U	10.00 U	10 U	10 U
1,1,1-Trichloroethane	5 U	5.00 U	5 U	5 U
Carbon Tetrachloride	5 U	5.00 U	5 U	5 U
Vinyl Acetate	10 U	10.00 U	10 U	10 U
Bromodichloromethane	5 U	5.00 U	5 U	5 U
1,2-Dichloropropane	5 U	5.00 U	5 U	5 U
Trans-1,3-Dichloropropene	5 U	5.00 U	5 U	5 U
Trichloroethene	5 U	5.00 U	5 U	5 U
Dibromochloromethane	5 U	5.00 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5.00 U	5 U	5 U
Benzene	5 U	5.00 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5.00 U	5 U	5 U
2-Chloroethylvinylether	10 U	10.00 U	10 U	10 U
Bromoform	5 U	5.00 U	5 U	5 U
4-Methyl-2-pentanone	10 U	10.00 U	10 U	10 U
2-Hexanone	10 U	10.00 U	10 U	10 U
Tetrachloroethene	5 U	5.00 U	5 U	5 U
1,1,2,2-Tetrachloroethane	NR	5.00 U	NR	NR
Toluene	5 U	5.00 U	5 U	5 U
Chlorobenzene	5 U	5.00 U	5 U	5 U
Ethylbenzene	5 U	5.00 U	5 U	5 U
Styrene	5 U	5.00 U	5 U	5 U
Total Xylenes	5 U	5.00 U	5 U	5 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	3122-471-002	3122-471-008	8706-014-0130	8706-014-0170
Customer ID:	BH148708W2	BH148709BR	BH15870005	BH15870510
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1	1	5.0	5.0

Surrogate Recovery

Toluene-d8:	111 %	114 %	102 %	103 %
Bromofluorobenzene:	102 %	108 %	104 %	108 %
1,2-Dichloroethane-d4:	96 %	98 %	110 %	109 %

Analytes

Chloromethane	10 U	10 U	50.00 U	50.00 U
Bromomethane	10 U	10 U	50.00 U	50.00 U
Vinyl Chloride	10 U	10 U	50.00 U	50.00 U
Chloroethane	10 U	10 U	50.00 U	50.00 U
Methylene Chloride	47.6	38.5	19 J	15 JB
Acetone	100.4	44.4	78	54 B
Carbon Disulfide	5 U	5 U	25.00 U	25.00 U
1,1-Dichloroethene	5 U	5 U	25.00 U	25.00 U
1,1-Dichloroethane	5 U	5 U	25.00 U	25.00 U
Trans-1,2-Dichloroethene	5 U	5 U	25.00 U	25.00 U
Chloroform	5 U	5 U	25.00 U	25.00 U
1,2-Dichloroethane	5 U	5 U	25.00 U	25.00 U
2-Butanone	10 U	10 U	50.00 U	110 B
1,1,1-Trichloroethane	5 U	5 U	25.00 U	25.00 U
Carbon Tetrachloride	5 U	5 U	25.00 U	25.00 U
Vinyl Acetate	10 U	10 U	50.00 U	50.00 U
Bromodichloromethane	5 U	5 U	25.00 U	25.00 U
1,2-Dichloropropane	5 U	5 U	25.00 U	25.00 U
Trans-1,3-Dichloropropene	5 U	5 U	25.00 U	25.00 U
Trichloroethene	5 U	7.7	25.00 U	25.00 U
Dibromochloromethane	5 U	5 U	25.00 U	25.00 U
1,1,2-Trichloroethane	5 U	5 U	25.00 U	25.00 U
Benzene	5 U	5 U	25.00 U	25.00 U
cis-1,3-Dichloropropene	5 U	5 U	25.00 U	25.00 U
2-Chloroethylvinylether	10 U	10 U	50.00 U	50.00 U
Bromoform	5 U	5 U	25.00 U	25.00 U
4-Methyl-2-pentanone	10 U	10 U	50.00 U	50.00 U
2-Hexanone	10 U	10 U	50.00 U	50.00 U
Tetrachloroethene	5 U	5 U	25.00 U	25.00 U
1,1,2,2-Tetrachloroethane	NR	NR	25.00 U	25.00 U
Toluene	5 U	5 U	25.00 U	25.00 U
Chlorobenzene	5 U	5 U	25.00 U	25.00 U
Ethylbenzene	5 U	5 U	25.00 U	25.00 U
Styrene	5 U	5 U	25.00 U	25.00 U
Total Xylenes	5 U	5 U	25.00 U	25.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8706-014-0110	8706-010-0110	8706-010-0090	8706-010-0070
Customer ID:	BH1587268R	BH16870206	BH168702CT	BH168706BR
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	5.0	5.0	5.0	5.0

Surrogate Recovery

Toluene-d8:	93 %	101 %	102 %	101 %
Bromofluorobenzene:	107 %	103 %	100 %	101 %
1,2-Dichloroethane-d4:	118 %	114 %	111 %	110 %

Analytes

Chloromethane	50.00	U	50.00	U	50.00	U	50.00	U
Bromomethane	50.00	U	50.00	U	50.00	U	50.00	U
Vinyl Chloride	50.00	U	50.00	U	50.00	U	50.00	U
Chloroethane	50.00	U	50.00	U	50.00	U	50.00	U
Methylene Chloride	37	B	46	B	35	B	35	B
Acetone	48	JB	75	B	56	B	75	B
Carbon Disulfide	25.00	U	25.00	U	25.00	U	25.00	U
1,1-Dichloroethene	25.00	U	25.00	U	25.00	U	25.00	U
1,1-Dichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Trans-1,2-Dichloroethene	25.00	U	25.00	U	25.00	U	25.00	U
Chloroform	25.00	U	25.00	U	25.00	U	25.00	U
1,2-Dichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
2-Butanone	50.00	U	50.00	U	50.00	U	50.00	U
1,1,1-Trichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Carbon Tetrachloride	25.00	U	25.00	U	25.00	U	25.00	U
Vinyl Acetate	50.00	U	50.00	U	50.00	U	50.00	U
Bromodichloromethane	25.00	U	25.00	U	25.00	U	25.00	U
1,2-Dichloropropane	25.00	U	25.00	U	25.00	U	25.00	U
Trans-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	25.00	U
Trichloroethene	25.00	U	25.00	U	25.00	U	25.00	U
Dibromochloromethane	25.00	U	25.00	U	25.00	U	25.00	U
1,1,2-Trichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Benzene	25.00	U	25.00	U	25.00	U	25.00	U
cis-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	25.00	U
2-Chloroethylvinylether	50.00	U	50.00	U	50.00	U	50.00	U
Bromoform	25.00	U	25.00	U	25.00	U	25.00	U
4-Methyl-2-pentanone	50.00	U	50.00	U	50.00	U	50.00	U
2-Hexanone	50.00	U	50.00	U	50.00	U	50.00	U
Tetrachloroethene	25.00	U	25.00	U	25.00	U	25.00	U
1,1,2,2-Tetrachloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Toluene	25.00	U	25.00	U	25.00	U	25.00	U
Chlorobenzene	25.00	U	25.00	U	25.00	U	25.00	U
Ethylbenzene	25.00	U	25.00	U	25.00	U	25.00	U
Styrene	25.00	U	25.00	U	25.00	U	25.00	U
Total Xylenes	25.00	U	25.00	U	25.00	U	25.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-014-0090	8706-014-0050	8706-014-0010	8710-025-0050
Customer ID:	BH17870005	BH178705CT	BH1787088R	BH578704DH
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	5.0	5.0	5.0	5.0

Surrogate Recovery

Toluene-d8:	100 %	102 %	103 %	97 %
Bromofluorobenzene:	99 %	100 %	108 %	99 %
1,2-Dichloroethane-d4:	108 %	104 %	109 %	100 %

Analytes

Chloromethane	50.00	U	50.00	U	50.00	U	50.00	U
Bromomethane	50.00	U	50.00	U	50.00	U	50.00	U
Vinyl Chloride	50.00	U	50.00	U	50.00	U	50.00	U
Chloroethane	50.00	U	50.00	U	50.00	U	50.00	U
Methylene Chloride	19	JB	19	JB	19	JB	10.00	J
Acetone	33	JB	40	JB	250	B	79.00	B
Carbon Disulfide	25.00	U	25.00	U	25.00	U	25.00	U
1,1-Dichloroethene	25.00	U	25.00	U	25.00	U	25.00	U
1,1-Dichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Trans-1,2-Dichloroethene	25.00	U	25.00	U	25.00	U	25.00	U
Chloroform	25.00	U	25.00	U	25.00	U	25.00	U
1,2-Dichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
2-Butanone	10	J	16	J	130	B	50.00	U
1,1,1-Trichloroethane	25.00	U	25.00	U	25.00	U	47.00	
Carbon Tetrachloride	25.00	U	25.00	U	25.00	U	25.00	U
Vinyl Acetate	50.00	U	50.00	U	50.00	U	50.00	U
Bromodichloromethane	25.00	U	25.00	U	25.00	U	25.00	U
1,2-Dichloropropane	25.00	U	25.00	U	25.00	U	25.00	U
Trans-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	25.00	U
Trichloroethene	25.00	U	25.00	U	25.00	U	8.00	J
Dibromochloromethane	25.00	U	25.00	U	25.00	U	25.00	U
1,1,2-Trichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Benzene	25.00	U	25.00	U	25.00	U	25.00	U
cis-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	25.00	U
2-Chloroethylvinylether	50.00	U	50.00	U	50.00	U	50.00	U
Bromoform	25.00	U	25.00	U	25.00	U	25.00	U
4-Methyl-2-pentanone	50.00	U	50.00	U	50.00	U	50.00	U
2-Hexanone	50.00	U	50.00	U	50.00	U	50.00	U
Tetrachloroethene	25.00	U	25.00	U	25.00	U	52.00	
1,1,2,2-Tetrachloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Toluene	25.00	U	25.00	U	25.00	U	25.00	U
Chlorobenzene	25.00	U	25.00	U	25.00	U	25.00	U
Ethylbenzene	25.00	U	25.00	U	25.00	U	25.00	U
Styrene	25.00	U	25.00	U	25.00	U	25.00	U
Total Xylenes	25.00	U	25.00	U	25.00	U	25.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8710-025-0060	8710-025-0070	8710-025-0080	8710-032-0130
Customer ID:	BH578708DH	BH578710UC	BH578712CT	BH578714BR
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	5.0	5.0	5.0	5.0

Surrogate Recovery

Toluene-d8:	99 %	98 %	98 %	105 %
Bromofluorobenzene:	100 %	100 %	99 %	98 %
1,2-Dichloroethane-d4:	101 %	101 %	103 %	96 %

Analytes

Chloromethane	50.00	U	50.00	U	50.00	U	50.00	U
Bromomethane	50.00	U	50.00	U	50.00	U	50.00	U
Vinyl Chloride	50.00	U	50.00	U	50.00	U	50.00	U
Chloroethane	50.00	U	50.00	U	50.00	U	50.00	U
Methylene Chloride	16.00	J	10.00	J	20.00	J	21.00	JB
Acetone	110.00	B	85.00	B	100.00	B	260.00	B
Carbon Disulfide	25.00	U	25.00	U	25.00	U	25.00	U
1,1-Dichloroethene	25.00	U	8.00	J	25.00	U	25.00	U
1,1-Dichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Trans-1,2-Dichloroethene	25.00	U	25.00	U	25.00	U	25.00	U
Chloroform	25.00	U	25.00	U	25.00	U	25.00	U
1,2-Dichloroethane	25.00	U	25.00	U	10.00	J	5.00	J
2-Butanone	50.00	U	50.00	U	50.00	U	100.00	
1,1,1-Trichloroethane	16.00	J	25.00	U	110.00		28.00	
Carbon Tetrachloride	25.00	U	25.00	U	25.00	U	25.00	U
Vinyl Acetate	50.00	U	50.00	U	50.00	U	50.00	U
Bromodichloromethane	25.00	U	25.00	U	25.00	U	25.00	U
1,2-Dichloropropane	25.00	U	25.00	U	25.00	U	25.00	U
Trans-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	25.00	U
Trichloroethene	33.00		81.00		150.00		7.00	J
Dibromochloromethane	25.00	U	25.00	U	25.00	U	25.00	U
1,1,2-Trichloroethane	25.00	U	6.00	J	27.00		8.00	J
Benzene	25.00	U	25.00	U	25.00	U	25.00	U
cis-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	25.00	U
2-Chloroethylvinylether	50.00	U	50.00	U	50.00	U	50.00	U
Bromoform	25.00	U	25.00	U	25.00	U	25.00	U
4-Methyl-2-pentanone	50.00	U	50.00	U	50.00	U	50.00	U
2-Hexanone	50.00	U	50.00	U	50.00	U	50.00	U
Tetrachloroethene	96.00		67.00		62.00		25.00	U
1,1,2,2-Tetrachloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Toluene	25.00	U	6.00	J	25.00		25.00	U
Chlorobenzene	25.00	U	25.00	U	25.00	U	25.00	U
Ethylbenzene	25.00	U	25.00	U	25.00	U	25.00	U
Styrene	25.00	U	25.00	U	25.00	U	25.00	U
Total Xylenes	25.00	U	25.00	U	25.00	U	25.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8710-032-0140	8710-032-0150	8710-032-0160	8710-032-0170
Customer ID:	BH578716DH	BH578718DH	BH578720DH	BH578722DH
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	5.0	5.0	5.0	5.0

Surrogate Recovery

Toluene-d8:	97 %	96 %	103 %	101 %
Bromofluorobenzene:	98 %	97 %	98 %	99 %
1,2-Dichloroethane-d4:	98 %	100 %	94 %	100 %

Analytes

Chloromethane	50.00	U	50.00	U	50.00	U	50.00	U
Bromomethane	50.00	U	50.00	U	6.00	J	50.00	U
Vinyl Chloride	50.00	U	50.00	U	50.00	U	50.00	U
Chloroethane	50.00	U	50.00	U	50.00	U	50.00	U
Methylene Chloride	36.00	B	25.00	JB	25.00	JB	26.00	B
Acetone	200.00	B	220.00	B	210.00	B	110.00	B
Carbon Disulfide	25.00	U	25.00	U	25.00	U	25.00	U
1,1-Dichloroethene	25.00	U	25.00	U	25.00	U	25.00	U
1,1-Dichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Trans-1,2-Dichloroethene	25.00	U	25.00	U	25.00	U	25.00	U
Chloroform	25.00	U	25.00	U	25.00	U	25.00	U
1,2-Dichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
2-Butanone	46.00	J	50.00	U	62.00		50.00	U
1,1,1-Trichloroethane	10.00	J	110.00		25.00	U	13.00	J
Carbon Tetrachloride	25.00	U	25.00	U	25.00	U	25.00	U
Vinyl Acetate	50.00	U	50.00	U	50.00	U	50.00	U
Bromodichloromethane	25.00	U	25.00	U	25.00	U	25.00	U
1,2-Dichloropropane	25.00	U	25.00	U	25.00	U	25.00	U
Trans-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	25.00	U
Trichloroethene	10.00	J	7.00	J	8.00	J	21.00	J
Dibromochloromethane	25.00	U	25.00	U	25.00	U	25.00	U
1,1,2-Trichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Benzene	25.00	U	25.00	U	25.00	U	25.00	U
cis-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	25.00	U
2-Chloroethylvinylether	50.00	U	50.00	U	50.00	U	50.00	U
Bromoform	25.00	U	25.00	U	25.00	U	25.00	U
4-Methyl-2-pentanone	50.00	U	50.00	U	50.00	U	50.00	U
2-Hexanone	50.00	U	50.00	U	50.00	U	50.00	U
Tetrachloroethene	25.00	U	25.00	U	25.00	U	5.00	J
1,1,2,2-Tetrachloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Toluene	25.00	U	25.00	U	25.00	U	25.00	U
Chlorobenzene	25.00	U	25.00	U	25.00	U	25.00	U
Ethylbenzene	25.00	U	25.00	U	25.00	U	25.00	U
Styrene	25.00	U	25.00	U	25.00	U	25.00	U
Total Xylenes	25.00	U	25.00	U	25.00	U	25.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8710-032-0180	8710-032-0190	8710-032-0200	8710-032-0210
Customer ID:	BH578724DH	BH578726DH	BH578728DH	BH588700UC
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	5.0	5.0	5.0	5.0

Surrogate Recovery

Toluene-d8:	110 %	101 %	92 %	98 %
Bromofluorobenzene:	95 %	96 %	95 %	95 %
1,2-Dichloroethane-d4:	92 %	101 %	89 %	102 %

Analytes

Chloromethane	50.00	U	50.00	U	50.00	U	50.00	U
Bromomethane	50.00	U	50.00	U	50.00	U	50.00	U
Vinyl Chloride	50.00	U	50.00	U	50.00	U	50.00	U
Chloroethane	50.00	U	50.00	U	50.00	U	50.00	U
Methylene Chloride	6.00	JB	6.00	JB	25.00	U	25.00	JB
Acetone	53.00	B	65.00	B	38.00	JB	110.00	B
Carbon Disulfide	25.00	U	25.00	U	25.00	U	25.00	U
1,1-Dichloroethene	25.00	U	25.00	U	25.00	U	25.00	U
1,1-Dichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Trans-1,2-Dichloroethene	25.00	U	25.00	U	25.00	U	25.00	U
Chloroform	25.00	U	25.00	U	25.00	U	25.00	U
1,2-Dichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
2-Butanone	50.00	U	50.00	U	50.00	U	50.00	U
1,1,1-Trichloroethane	25.00	U	11.00	J	25.00	U	42.00	
Carbon Tetrachloride	25.00	U	25.00	U	25.00	U	25.00	U
Vinyl Acetate	50.00	U	50.00	U	50.00	U	50.00	U
Bromodichloromethane	25.00	U	25.00	U	25.00	U	25.00	U
1,2-Dichloropropane	25.00	U	25.00	U	25.00	U	25.00	U
Trans-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	25.00	U
Trichloroethene	25.00	U	25.00	U	25.00	U	8.00	J
Dibromochloromethane	25.00	U	25.00	U	25.00	U	25.00	U
1,1,2-Trichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Benzene	25.00	U	25.00	U	25.00	U	25.00	U
cis-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	25.00	U
2-Chloroethylvinylether	50.00	U	50.00	U	50.00	U	50.00	U
Bromoform	25.00	U	25.00	U	25.00	U	25.00	U
4-Methyl-2-pentanone	50.00	U	50.00	U	50.00	U	50.00	U
2-Hexanone	50.00	U	50.00	U	50.00	U	50.00	U
Tetrachloroethene	25.00	U	25.00	U	25.00	U	25.00	U
1,1,2,2-Tetrachloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Toluene	25.00	U	25.00	U	25.00	U	25.00	U
Chlorobenzene	25.00	U	25.00	U	25.00	U	25.00	U
Ethylbenzene	25.00	U	25.00	U	25.00	U	25.00	U
Styrene	25.00	U	25.00	U	25.00	U	25.00	U
Total Xylenes	25.00	U	25.00	U	25.00	U	25.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8710-032-0220	8710-032-0230	8710-016-0040	8710-016-0050
Customer ID:	BH588702CT	BH5887048R	BH598704UC	BH598707CT
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	5.0	5.0	5.0	5.0

Surrogate Recovery

Toluene-d8:	97 %	97 %	102 %	105 %
Bromofluorobenzene:	95 %	97 %	102 %	96 %
1,2-Dichloroethane-d4:	102 %	99 %	114 %	113 %

Analytes

Chloromethane	50.00	U	50.00	U	50.00	U	50.00	U
Bromomethane	50.00	U	50.00	U	50.00	U	50.00	U
Vinyl Chloride	50.00	U	50.00	U	50.00	U	50.00	U
Chloroethane	50.00	U	50.00	U	50.00	U	50.00	U
Methylene Chloride	22.00	JB	19.00	JB	7.00	J	10.00	J
Acetone	120.00	B	74.00	B	88.00	B	100.00	B
Carbon Disulfide	25.00	U	25.00	U	25.00	U	25.00	U
1,1-Dichloroethene	25.00	U	25.00	U	25.00	U	25.00	U
1,1-Dichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Trans-1,2-Dichloroethene	25.00	U	25.00	U	25.00	U	25.00	U
Chloroform	25.00	U	25.00	U	25.00	U	25.00	U
1,2-Dichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
2-Butanone	50.00	U	50.00	U	50.00	U	50.00	U
1,1,1-Trichloroethane	23.00	J	10.00	J	25.00	U	25.00	U
Carbon Tetrachloride	25.00	U	25.00	U	25.00	U	25.00	U
Vinyl Acetate	50.00	U	50.00	U	50.00	U	50.00	U
Bromodichloromethane	25.00	U	25.00	U	25.00	U	25.00	U
1,2-Dichloropropane	25.00	U	25.00	U	25.00	U	25.00	U
Trans-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	25.00	U
Trichloroethene	25.00	U	7.00	J	25.00	U	25.00	U
Dibromochloromethane	25.00	U	25.00	U	25.00	U	25.00	U
1,1,2-Trichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Benzene	25.00	U	25.00	U	25.00	U	25.00	U
cis-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	25.00	U
2-Chloroethylvinylether	50.00	U	50.00	U	50.00	U	50.00	U
Bromoform	25.00	U	25.00	U	25.00	U	25.00	U
4-Methyl-2-pentanone	50.00	U	50.00	U	50.00	U	50.00	U
2-Hexanone	50.00	U	50.00	U	50.00	U	50.00	U
Tetrachloroethene	25.00	U	25.00	U	25.00	U	25.00	U
1,1,2,2-Tetrachloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Toluene	25.00	U	25.00	U	25.00	U	25.00	U
Chlorobenzene	25.00	U	25.00	U	25.00	U	25.00	U
Ethylbenzene	25.00	U	25.00	U	25.00	U	25.00	U
Styrene	25.00	U	25.00	U	25.00	U	25.00	U
Total Xylenes	25.00	U	25.00	U	25.00	U	25.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8710-016-0060	8710-040-0020	8710-051-0030	8710-051-0060
Customer ID:	BH598709BR	BH618707DH	BH618709CT	BH618712BR
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	5.0	5.0	5.0	5.0

Surrogate Recovery

Toluene-d8:	102 %	97 %	100 %	96 %
Bromofluorobenzene:	97 %	98 %	101 %	97 %
1,2-Dichloroethane-d4:	109 %	96 %	99 %	108 %

Analytes

Chloromethane	50.00	U	50.00	U	50.00	U	50.00	U
Bromomethane	50.00	U	50.00	U	50.00	U	50.00	U
Vinyl Chloride	50.00	U	50.00	U	50.00	U	50.00	U
Chloroethane	50.00	U	50.00	U	50.00	U	50.00	U
Methylene Chloride	6.00	J	25.00	U	13.00	J	19.00	J
Acetone	87.00	B	50.00	U	50.00	U	50.00	U
Carbon Disulfide	25.00	U	25.00	U	25.00	U	25.00	U
1,1-Dichloroethene	25.00	U	25.00	U	25.00	U	25.00	U
1,1-Dichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Trans-1,2-Dichloroethene	25.00	U	25.00	U	25.00	U	25.00	U
Chloroform	25.00	U	25.00	U	25.00	U	25.00	U
1,2-Dichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
2-Butanone	50.00	U	50.00	U	50.00	U	50.00	U
1,1,1-Trichloroethane	25.00	U	11.00	J	16.00	J	25.00	U
Carbon Tetrachloride	25.00	U	25.00	U	25.00	U	25.00	U
Vinyl Acetate	50.00	U	50.00	U	50.00	U	50.00	U
Bromodichloromethane	25.00	U	25.00	U	25.00	U	25.00	U
1,2-Dichloropropane	25.00	U	25.00	U	25.00	U	25.00	U
Trans-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	25.00	U
Trichloroethene	25.00	U	10.00	JB	9.00	JB	10.00	JB
Dibromochloromethane	25.00	U	25.00	U	25.00	U	25.00	U
1,1,2-Trichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Benzene	25.00	U	25.00	U	25.00	U	25.00	U
cis-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	25.00	U
2-Chloroethylvinylether	50.00	U	50.00	U	50.00	U	50.00	U
Bromoform	25.00	U	25.00	U	25.00	U	25.00	U
4-Methyl-2-pentanone	50.00	U	50.00	U	50.00	U	50.00	U
2-Hexanone	50.00	U	50.00	U	50.00	U	50.00	U
Tetrachloroethene	25.00	U	25.00	U	25.00	U	25.00	U
1,1,2,2-Tetrachloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Toluene	25.00	U	25.00	U	25.00	U	25.00	U
Chlorobenzene	25.00	U	25.00	U	25.00	U	25.00	U
Ethylbenzene	25.00	U	25.00	U	25.00	U	25.00	U
Styrene	25.00	U	25.00	U	25.00	U	25.00	U
Total Xylenes	25.00	U	25.00	U	25.00	U	25.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8710-073-0070	8710-073-0080	8710-073-0100	8710-073-0060
Customer ID:	BH62870008	BH6287008D	BH628702DH	BH628712CT
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	5.0	5.0	5.0	5.0

Surrogate Recovery

Toluene-d8:	102 %	104 %	105 %	102 %
Bromofluorobenzene:	104 %	96 %	99 %	101 %
1,2-Dichloroethane-d4:	103 %	99 %	97 %	100 %

Analytes

Chloromethane	50.00	U	50.00	U	50.00	U	50.00	U
Bromomethane	50.00	U	50.00	U	50.00	U	50.00	U
Vinyl Chloride	50.00	U	50.00	U	50.00	U	50.00	U
Chloroethane	50.00	U	50.00	U	50.00	U	50.00	U
Methylene Chloride	13.00	JB	12.00	JB	13.00	JB	23.00	JB
Acetone	50.00	U	50.00	U	50.00	U	50.00	U
Carbon Disulfide	25.00	U	25.00	U	25.00	U	25.00	U
1,1-Dichloroethene	25.00	U	25.00	U	25.00	U	25.00	U
1,1-Dichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Trans-1,2-Dichloroethene	25.00	U	25.00	U	25.00	U	25.00	U
Chloroform	25.00	U	25.00	U	25.00	U	25.00	U
1,2-Dichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
2-Butanone	50.00	U	50.00	U	50.00	U	50.00	U
1,1,1-Trichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Carbon Tetrachloride	25.00	U	25.00	U	25.00	U	25.00	U
Vinyl Acetate	50.00	U	50.00	U	50.00	U	50.00	U
Bromodichloromethane	25.00	U	25.00	U	25.00	U	25.00	U
1,2-Dichloropropane	25.00	U	25.00	U	25.00	U	25.00	U
Trans-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	25.00	U
Trichloroethene	9.00	JB	10.00	JB	9.00	JB	8.00	JB
Dibromochloromethane	25.00	U	25.00	U	25.00	U	25.00	U
1,1,2-Trichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Benzene	25.00	U	25.00	U	25.00	U	25.00	U
cis-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	25.00	U
2-Chloroethylvinylether	50.00	U	50.00	U	50.00	U	50.00	U
Bromoform	25.00	U	25.00	U	25.00	U	25.00	U
4-Methyl-2-pentanone	50.00	U	50.00	U	50.00	U	50.00	U
2-Hexanone	50.00	U	50.00	U	50.00	U	50.00	U
Tetrachloroethene	25.00	U	25.00	U	25.00	U	25.00	U
1,1,2,2-Tetrachloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Toluene	25.00	U	25.00	U	25.00	U	25.00	U
Chlorobenzene	25.00	U	25.00	U	25.00	U	25.00	U
Ethylbenzene	25.00	U	25.00	U	25.00	U	25.00	U
Styrene	25.00	U	25.00	U	25.00	U	25.00	U
Total Xylenes	25.00	U	25.00	U	25.00	U	25.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8710-073-0010	8710-056-0040	8710-056-0030	8710-063-0040
Customer ID:	BH6287148R	BH63870008	BH638712DH	BH638718UC
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	5.0	5.0	5.0	5.0

Surrogate Recovery

Toluene-d8:	102 %	103 %	100 %	102 %
Bromofluorobenzene:	102 %	103 %	102 %	102 %
1,2-Dichloroethane-d4:	93 %	114 %	105 %	107 %

Analytes

Chloromethane	50.00	U	50.00	U	50.00	U	50.00	U
Bromomethane	50.00	U	50.00	U	50.00	U	50.00	U
Vinyl Chloride	50.00	U	50.00	U	50.00	U	50.00	U
Chloroethane	50.00	U	50.00	U	50.00	U	50.00	U
Methylene Chloride	23.00	JB	15.00	J	30.00		16.00	J
Acetone	50.00	U	50.00	U	50.00	U	64.00	
Carbon Disulfide	25.00	U	25.00	U	25.00	U	25.00	U
1,1-Dichloroethene	25.00	U	25.00	U	25.00	U	25.00	U
1,1-Dichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Trans-1,2-Dichloroethene	25.00	U	25.00	U	25.00	U	25.00	U
Chloroform	25.00	U	25.00	U	25.00	U	25.00	U
1,2-Dichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
2-Butanone	50.00	U	50.00	U	50.00	U	50.00	U
1,1,1-Trichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Carbon Tetrachloride	25.00	U	25.00	U	25.00	U	25.00	U
Vinyl Acetate	50.00	U	50.00	U	50.00	U	50.00	U
Bromodichloromethane	25.00	U	25.00	U	25.00	U	25.00	U
1,2-Dichloropropane	25.00	U	25.00	U	25.00	U	25.00	U
Trans-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	25.00	U
Trichloroethene	8.00	JB	8.00	JB	9.00	JB	8.00	JB
Dibromochloromethane	25.00	U	25.00	U	25.00	U	25.00	U
1,1,2-Trichloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Benzene	25.00	U	25.00	U	25.00	U	25.00	U
cis-1,3-Dichloropropene	25.00	U	25.00	U	25.00	U	25.00	U
2-Chloroethylvinylether	50.00	U	50.00	U	50.00	U	50.00	U
Bromoform	25.00	U	25.00	U	25.00	U	25.00	U
4-Methyl-2-pentanone	50.00	U	50.00	U	50.00	U	50.00	U
2-Hexanone	50.00	U	50.00	U	50.00	U	50.00	U
Tetrachloroethene	25.00	U	25.00	U	25.00	U	25.00	U
1,1,2,2-Tetrachloroethane	25.00	U	25.00	U	25.00	U	25.00	U
Toluene	25.00	U	25.00	U	25.00	U	25.00	U
Chlorobenzene	25.00	U	25.00	U	25.00	U	25.00	U
Ethylbenzene	25.00	U	25.00	U	25.00	U	25.00	U
Styrene	25.00	U	25.00	U	25.00	U	25.00	U
Total Xylenes	25.00	U	25.00	U	25.00	U	25.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8710-063-0050	8710-063-0060
Customer ID:	BH638722CT	BH638724BR
Matrix:	Soil	Soil
Units:	UG/KG	UG/KG
Dilution Factor:	5.0	5.0

Surrogate Recovery

Toluene-d8:	102 %	104 %
Bromofluorobenzene:	106 %	101 %
1,2-Dichloroethane-d4:	106 %	105 %

Analytes

Chloromethane	50.00	U	50.00	U
Bromomethane	50.00	U	50.00	U
Vinyl Chloride	50.00	U	50.00	U
Chloroethane	50.00	U	50.00	U
Methylene Chloride	13.00	J	18.00	J
Acetone	50.00	U	60.00	
Carbon Disulfide	25.00	U	25.00	U
1,1-Dichloroethene	25.00	U	25.00	U
1,1-Dichloroethane	25.00	U	25.00	U
Trans-1,2-Dichloroethene	25.00	U	25.00	U
Chloroform	25.00	U	25.00	U
1,2-Dichloroethane	25.00	U	25.00	U
2-Butanone	50.00	U	50.00	U
1,1,1-Trichloroethane	25.00	U	25.00	U
Carbon Tetrachloride	25.00	U	25.00	U
Vinyl Acetate	50.00	U	50.00	U
Bromodichloromethane	25.00	U	25.00	U
1,2-Dichloropropane	25.00	U	25.00	U
Trans-1,3-Dichloropropene	25.00	U	25.00	U
Trichloroethene	9.00	JB	8.00	JB
Dibromochloromethane	25.00	U	25.00	U
1,1,2-Trichloroethane	25.00	U	25.00	U
Benzene	25.00	U	25.00	U
cis-1,3-Dichloropropene	25.00	U	25.00	U
2-Chloroethylvinylether	50.00	U	50.00	U
Bromoform	25.00	U	25.00	U
4-Methyl-2-pentanone	50.00	U	50.00	U
2-Hexanone	50.00	U	50.00	U
Tetrachloroethene	25.00	U	25.00	U
1,1,2,2-Tetrachloroethane	25.00	U	25.00	U
Toluene	25.00	U	25.00	U
Chlorobenzene	25.00	U	25.00	U
Ethylbenzene	25.00	U	25.00	U
Styrene	25.00	U	25.00	U
Total Xylenes	25.00	U	25.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

SEMIVOLATILES

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
8706-022-0020	BH018701WT	02
8706-022-0040	BH018704WS	04
8706-022-0060	BH018710WS	06
3122-471-005	BH02870012	
3122-471-001	BH02871214	
8705-057-0110	BH02871420	11
8705-057-0130	BH028714CT	13
3122-471-006	BH028718BR	
8705-051-006	BH03870009	-08
8705-051-005	BH038702WT	-07
8705-051-003	BH038709CT	-05
8705-051-004	BH038712BR	-06
8706-024-0060	BH04870010	06
8706-024-0080	BH048710WT	08
8706-024-0040	BH048715CT	04
8706-024-0020	BH048719BR	02
8705-051-013	BH05870005	-14
8705-051-014	BH058705CT	-15
8705-051-012	BH058708BR	-13
8705-051-007	BH06870010	-09
8705-051-009	BH06871020	-10
8705-051-011	BH068726CT	-12
8705-051-010	BH068730BR	-11
8705-057-0050	BH07870510	05
8705-057-0070	BH078705CT	07
8705-057-0010	BH078708BR	01
8705-057-0090	BH07871013	09
8705-057-0030	BH078710WS	03
8706-014-0040	BH08870007	04
8706-014-0080	BH088707CT	08
8706-014-0160	BH088710BR	16
8706-002-0050	BH09870010	05
8706-002-0030	BH098706WT	03
3122-471-009	BH098711CT	
8706-002-0020	BH098714BR	02
8706-005-0060	BH10870010	06
8706-005-0040	BH10871020	04
8706-005-0080	BH108720CT	08
8706-005-0020	BH108723BR	02
8706-010-0060	BH11870010	06
8706-010-0020	BH118711CT	02
8706-010-0040	BH118714WT	04
8705-059-0020	BH128702CT	02
8705-059-0040	BH128705BR	04
8706-004-0020	BH13870010	02
3122-471-004	BH138711CT	
8706-004-0040	BH138714BR	04
3122-471-007	BH148703W1	
3122-471-003	BH148706CT	
3122-471-002	BH148708W2	
3122-471-008	BH148709BR	
8706-014-0140	BH15870005	14

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
8706-014-0180	BH15870510	18
8706-014-0120	BH158726BR	12
8706-010-0120	BH16870206	12
8706-010-0100	BH168702CT	10
8706-010-0080	BH168706BR	08
8706-014-0100	BH17870005	10
8706-014-0060	BH178705CT	06
8706-014-0020	BH178708BR	02
8710-025-0010	BH578704DH	01
8710-025-0020	BH578708DH	02
8710-025-0030	BH578710UC	03
8710-025-0040	BH578712CT	04
8710-032-0010	BH578714BR	01
8710-032-0020	BH578716DH	02
8710-032-0030	BH578718DH	03
8710-032-0040	BH578720DH	04
8710-032-0050	BH578722DH	05
8710-032-0060	BH578724DH	06
8710-032-0070	BH578726DH	07
8710-032-0080	BH578728DH	08
8710-032-0090	BH588700UC	09
8710-032-0100	BH588702CT	10
8710-032-0110	BH588704BR	11
8710-016-0010	BH598704UC	01
8710-016-0020	BH598707CT	02
8710-016-0030	BH598709BR	03
8710-040-0010	BH618707DH	01
8710-051-004	BH618709CT	
8710-051-005	BH618712BR	
8710-073-003	BH62870008	
8710-073-004	BH6287008D	
8710-073-009	BH628702DH	
8710-073-002	BH628712CT	
8710-073-001	BH628714BR	
8710-056-003	BH63870008	
8710-056-004	BH638712DH	
8710-063-003	BH638718UC	
8710-063-004	BH638722CT	
8710-063-005	BH638724BR	

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-022-0020	8706-022-0040	8706-022-0060	3122-471-005
Customer ID:	BH018701WT	BH018704WS	BH018710WS	BH02870012
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	10

Surrogate Recovery

2-Fluorophenol:	108 %	110 %	103 %	41 %
Phenol-d5:	107 %	112 %	103 %	63 %
2,4,6-Br3-Phenol:	143 %	142 %	141 %	37 %
Nitrobenzene-d5:	93 %	94 %	90 %	72 %
2-Fluorobiphenyl:	98 %	100 %	98 %	67 %
p-Terphenyl-d14:	85 %	89 %	88 %	89 %

Analytes

Phenol	330.00 U	330.00 U	330.00 U	150 U
bis(2-Chloroethyl)Ether	330.00 U	330.00 U	330.00 U	150 U
2-Chlorophenol	330.00 U	330.00 U	330.00 U	200 U
1,3-Dichlorobenzene	330.00 U	330.00 U	330.00 U	200 U
1,4-Dichlorobenzene	330.00 U	330.00 U	330.00 U	200 U
Benzyl Alcohol	330.00 U	330.00 U	330.00 U	NR
1,2-Dichlorobenzene	330.00 U	330.00 U	330.00 U	200 U
2-Methylphenol	330.00 U	330.00 U	330.00 U	NR
bis(2-Chloroisopropyl)Ether	330.00 U	330.00 U	330.00 U	150 U
4-Methylphenol	330.00 U	330.00 U	330.00 U	NR
N-Nitroso-di-n-propylamine	330.00 U	330.00 U	330.00 U	200 U
Hexachloroethane	330.00 U	330.00 U	330.00 U	500 U
Nitrobenzene	330.00 U	330.00 U	330.00 U	200 U
Isophorone	330.00 U	330.00 U	330.00 U	100 U
2-Nitrophenol	330.00 U	330.00 U	330.00 U	400 U
2,4-Dimethylphenol	330.00 U	330.00 U	330.00 U	400 U
Benzoic Acid	1600.00 U	1600.00 U	1600.00 U	1600 U
bis(2-Chloroethoxy)Methane	330.00 U	330.00 U	330.00 U	200 U
2,4-Dichlorophenol	330.00 U	330.00 U	330.00 U	400 U
1,2,4-Trichlorobenzene	330.00 U	330.00 U	330.00 U	300 U
Naphthalene	330.00 U	330.00 U	330.00 U	100 U
4-Chloroaniline	330.00 U	330.00 U	330.00 U	NR
Hexachlororbutadiene	330.00 U	330.00 U	330.00 U	800 U
4-Chloro-3-methylphenol	330.00 U	330.00 U	330.00 U	330 U
2-Methylnaphthalene	330.00 U	330.00 U	330.00 U	NR
Hexachlorocyclopentadiene	330.00 U	330.00 U	330.00 U	800 U
2,4,6-Trichlorophenol	330.00 U	330.00 U	330.00 U	800 U
2,4,5-Trichlorophenol	1600.00 U	1600.00 U	1600.00 U	NR
2-Chloronaphthalene	330.00 U	330.00 U	330.00 U	200 U
2-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	NR
Dimethyl Phthalate	330.00 U	330.00 U	330.00 U	200 U
Acenaphthylene	330.00 U	330.00 U	330.00 U	100 U
3-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	NR

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-022-0020	8706-022-0040	8706-022-0060	3122-471-005
Customer ID:	8H018701WT	8H018704WS	8H018710WS	8H02870012
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	10

Analytes

Acenaphthene	330.00	U	330.00	U	330.00	U	150	U
2,4-Dinitrophenol	1600.00	U	1600.00	U	1600.00	U	700	U
4-Nitrophenol	1600.00	U	1600.00	U	1600.00	U	350	U
Dibenzofuran	330.00	U	330.00	U	330.00	U	NR	U
2,4-Dinitrotoluene	330.00	U	330.00	U	330.00	U	350	U
2,6-Dinitrotoluene	330.00	U	330.00	U	330.00	U	800	U
Diethylphthalate	330.00	U	330.00	U	330.00	U	150	U
4-Chlorophenyl-phenylether	330.00	U	330.00	U	330.00	U	150	U
Fluorene	330.00	U	330.00	U	330.00	U	150	U
4-Nitroaniline	1600.00	U	1600.00	U	1600.00	U	NR	U
4,6-Dinitro-2-methylphenol	1600.00	U	1600.00	U	1600.00	U	NR	U
N-Nitrosodiphenylamine	1600.00	U	1600.00	U	1600.00	U	350	U
4-Bromophenyl-phenylether	330.00	U	330.00	U	330.00	U	350	U
Hexachlorobenzene	330.00	U	330.00	U	330.00	U	350	U
Pentachlorophenol	1600.00	U	1600.00	U	1600.00	U	350	U
Phenanthrene	330.00	U	330.00	U	330.00	U	100	U
Anthracene	330.00	U	330.00	U	330.00	U	100	U
di-n-Butyl Phthalate	330.00	U	330.00	U	330.00	U	3643	
Fluoranthene	330.00	U	330.00	U	330.00	U	100	U
Pyrene	330.00	U	330.00	U	330.00	U	100	U
Butyl Benzyl Phthalate	330.00	U	330.00	U	330.00	U	150	U
3,3'-Dichlorobenzidine	660.00	U	660.00	U	660.00	U	700	U
Benzo(a)Anthracene	330.00	U	330.00	U	330.00	U	100	U
bis(2-Ethylhexyl)Phthalate	880		1100		140	J	5023	
Chrysene	330.00	U	330.00	U	330.00	U	100	U
di-n-Octyl Phthalate	330.00	U	330.00	U	330.00	U	100	U
Benzo(b)Fluoranthene	330.00	U	330.00	U	330.00	U	200	U
Benzo(k)Fluoranthene	330.00	U	330.00	U	330.00	U	200	U
Benzo(a)Pyrene	330.00	U	330.00	U	330.00	U	600	U
Indeno(1,2,3-cd)Pyrene	330.00	U	330.00	U	330.00	U	300	U
Dibenz(a,h)Anthracene	330.00	U	330.00	U	330.00	U	350	U
Benzo(g,h,i)Perylene	330.00	U	330.00	U	330.00	U	300	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	3122-471-001	8705-057-0110	8705-057-0130	3122-471-006
Customer ID:	BH02871214	BH02871420	BH028714CT	BH028718BR
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	10	1.0	1.0	10

Surrogate Recovery

2-Fluorophenol:	40 %	75 %	82 %	7 %
Phenol-d5:	67 %	72 %	79 %	20 %
2,4,6-Br3-Phenol:	36 %	83 %	91 %	34 %
Nitrobenzene-d5:	78 %	71 %	86 %	46 %
2-Fluorobiphenyl:	67 %	74 %	72 %	49 %
p-Terphenyl-d14:	88 %	68 %	64 %	92 %

Analytes

Phenol	150 U	330.00 U	330.00 U	150 U
bis(2-Chloroethyl)Ether	150 U	330.00 U	330.00 U	150 U
2-Chlorophenol	200 U	330.00 U	330.00 U	200 U
1,3-Dichlorobenzene	200 U	330.00 U	330.00 U	200 U
1,4-Dichlorobenzene	200 U	330.00 U	330.00 U	200 U
Benzyl Alcohol	NR	330.00 U	330.00 U	NR
1,2-Dichlorobenzene	200 U	330.00 U	330.00 U	200 U
2-Methylphenol	NR	330.00 U	330.00 U	NR
bis(2-Chloroisopropyl)Ether	150 U	330.00 U	330.00 U	150 U
4-Methylphenol	NR	330.00 U	330.00 U	NR
N-Nitroso-di-n-propylamine	200 U	330.00 U	330.00 U	200 U
Hexachloroethane	500 U	330.00 U	330.00 U	500 U
Nitrobenzene	200 U	330.00 U	330.00 U	200 U
Isophorone	100 U	330.00 U	330.00 U	100 U
2-Nitrophenol	400 U	330.00 U	330.00 U	400 U
2,4-Dimethylphenol	400 U	330.00 U	330.00 U	400 U
Benzoic Acid	1600 U	1600.00 U	1600.00 U	1600 U
bis(2-Chloroethoxy)Methane	200 U	330.00 U	330.00 U	200 U
2,4-Dichlorophenol	400 U	330.00 U	330.00 U	400 U
1,2,4-Trichlorobenzene	300 U	330.00 U	330.00 U	300 U
Naphthalene	100 U	330.00 U	330.00 U	100 U
4-Chloroaniline	NR	330.00 U	330.00 U	NR
Hexachlororbutadiene	800 U	330.00 U	330.00 U	800 U
4-Chloro-3-methylphenol	330 U	330.00 U	330.00 U	330 U
2-Methylnaphthalene	NR	330.00 U	330.00 U	NR
Hexachlorocyclopentadiene	800 U	330.00 U	330.00 U	800 U
2,4,6-Trichlorophenol	800 U	330.00 U	330.00 U	800 U
2,4,5-Trichlorophenol	NR	1600.00 U	1600.00 U	NR
2-Chloronaphthalene	200 U	330.00 U	330.00 U	200 U
2-Nitroaniline	NR	1600.00 U	1600.00 U	NR
Dimethyl Phthalate	200 U	330.00 U	330.00 U	200 U
Acenaphthylene	100 U	330.00 U	330.00 U	100 U
3-Nitroaniline	NR	1600.00 U	1600.00 U	NR

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	3122-471-001	8705-057-0110	8705-057-0130	3122-471-006
Customer ID:	BH02871214	BH02871420	BH028714CT	BH028718BR
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	10	1.0	1.0	10

Analytes

Acenaphthene	150	U	330.00	U	330.00	U	150	U
2,4-Dinitrophenol	700	U	1600.00	U	1600.00	U	700	U
4-Nitrophenol	350	U	1600.00	U	1600.00	U	350	U
Dibenzofuran	NR	U	330.00	U	330.00	U	NR	U
2,4-Dinitrotoluene	350	U	330.00	U	330.00	U	350	U
2,6-Dinitrotoluene	800	U	330.00	U	330.00	U	800	U
Diethylphthalate	150	U	330.00	U	330.00	U	150	U
4-Chlorophenyl-phenylether	150	U	330.00	U	330.00	U	150	U
Fluorene	150	U	330.00	U	330.00	U	150	U
4-Nitroaniline	NR	U	1600.00	U	1600.00	U	NR	U
4,6-Dinitro-2-methylphenol	NR	U	1600.00	U	1600.00	U	NR	U
N-Nitrosodiphenylamine	350	U	1600.00	U	1600.00	U	350	U
4-Bromophenyl-phenylether	350	U	330.00	U	330.00	U	350	U
Hexachlorobenzene	350	U	330.00	U	330.00	U	350	U
Pentachlorophenol	350	U	1600.00	U	1600.00	U	350	U
Phenanthrene	100	U	330.00	U	330.00	U	100	U
Anthracene	100	U	330.00	U	330.00	U	100	U
di-n-Butyl Phthalate	3133		43.00	J	330.00	U	3190	
Fluoranthene	100	U	330.00	U	330.00	U	100	U
Pyrene	100	U	330.00	U	330.00	U	100	U
Butyl Benzyl Phthalate	150	U	330.00	U	330.00	U	150	U
3,3'-Dichlorobenzidine	700	U	660.00	U	660.00	U	700	U
Benzo(a)Anthracene	100	U	330.00	U	330.00	U	100	U
bis(2-Ethylhexyl)Phthalate	4482		2800.00		2700.00		7214	
Chrysene	100	U	330.00	U	330.00	U	100	U
di-n-Octyl Phthalate	100	U	330.00	U	330.00	U	100	U
Benzo(b)Fluoranthene	200	U	330.00	U	330.00	U	200	U
Benzo(k)Fluoranthene	200	U	330.00	U	330.00	U	200	U
Benzo(a)Pyrene	600	U	330.00	U	330.00	U	600	U
Indeno(1,2,3-cd)Pyrene	300	U	330.00	U	330.00	U	300	U
Dibenz(a,h)Anthracene	350	U	330.00	U	330.00	U	350	U
Benzo(g,h,i)Perylene	300	U	330.00	U	330.00	U	300	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8705-051-006	8705-051-005	8705-051-003	8705-051-004
Customer ID:	BH03870009	BH038702WT	BH038709CT	BH038712BR
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1	1	1	1

Surrogate Recovery

2-Fluorophenol:	108 %	114 %	109 %	114 %
Phenol-d5:	99 %	107 %	107 %	112 %
2,4,6-Br3-Phenol:	119 %	116 %	106 %	115 %
Nitrobenzene-d5:	91 %	94 %	95 %	99 %
2-Fluorobiphenyl:	105 %	105 %	97 %	106 %
p-Terphenyl-d14:	89 %	92 %	84 %	88 %

Analytes

Phenol	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)Ether	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U
Benzyl Alcohol	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U
2-Methylphenol	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl)Ether	10 U	10 U	10 U	10 U
4-Methylphenol	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U
2-Nitrophenol	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U
Benzoic Acid	50 U	50 U	50 U	50 U
bis(2-Chloroethoxy)Methane	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U
4-Chloroaniline	10 U	10 U	10 U	10 U
Hexachlororbutadiene	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	50 U	50 U	50 U	50 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8705-051-006	8705-051-005	8705-051-003	8705-051-004
Customer ID:	BH03870009	BH038702WT	BH038709CT	BH038712BR
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1	1	1	1

Analytes

Acenaphthene	10	U	10	U	10	U	10	U
2,4-Dinitrophenol	50	U	50	U	50	U	50	U
4-Nitrophenol	50	U	50	U	50	U	50	U
Dibenzofuran	10	U	10	U	10	U	10	U
2,4-Dinitrotoluene	10	U	10	U	10	U	10	U
2,6-Dinitrotoluene	10	U	10	U	10	U	10	U
Diethylphthalate	10	U	10	U	10	U	10	U
4-Chlorophenyl-phenylether	10	U	10	U	10	U	10	U
Fluorene	10	U	10	U	10	U	10	U
4-Nitroaniline	50	U	50	U	50	U	50	U
4,6-Dinitro-2-methylphenol	50	U	50	U	50	U	50	U
N-Nitrosodiphenylamine	10	U	10	U	10	U	10	U
4-Bromophenyl-phenylether	10	U	10	U	10	U	10	U
Hexachlorobenzene	10	U	10	U	10	U	10	U
Pentachlorophenol	50	U	50	U	50	U	50	U
Phenanthrene	10	U	10	U	10	U	10	U
Anthracene	10	U	10	U	10	U	10	U
di-n-Butyl Phthalate	10	U	10	U	10	U	10	U
Fluoranthene	10	U	10	U	10	U	10	U
Pyrene	10	U	10	U	10	U	10	U
Butyl Benzyl Phthalate	10	U	10	U	10	U	10	U
3,3'-Dichlorobenzidine	20	U	20	U	20	U	20	U
Benzo(a)Anthracene	10	U	10	U	10	U	10	U
bis(2-Ethylhexyl)Phthalate	940	B	700	B	660	B	730	B
Chrysene	10	U	10	U	10	U	10	U
di-n-Octyl Phthalate	10	U	10	U	10	U	10	U
Benzo(b)Fluoranthene	10	U	10	U	10	U	10	U
Benzo(k)Fluoranthene	10	U	10	U	10	U	10	U
Benzo(a)Pyrene	10	U	10	U	10	U	10	U
Indeno(1,2,3-cd)Pyrene	10	U	10	U	10	U	10	U
Dibenz(a,h)Anthracene	10	U	10	U	10	U	10	U
Benzo(g,h,i)Perylene	10	U	10	U	10	U	10	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8706-024-0060	8706-024-0080	8706-024-0040	8706-024-0020
Customer ID:	BH04870010	BH048710WT	BH048715CT	BH0487198R
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Surrogate Recovery

2-Fluorophenol:	73 %	113 %	106 %	119 %
Phenol-d5:	71 %	112 %	105 %	121 %
2,4,6-Br3-Phenol:	92 %	142 %	142 %	160 %
Nitrobenzene-d5:	64 %	98 %	93 %	108 %
2-Fluorobiphenyl:	72 %	101 %	101 %	112 %
p-Terphenyl-d14:	65 %	90 %	91 %	98 %

Analytes

Phenol	330.00 U	330.00 U	330.00 U	330.00 U
bis(2-Chloroethyl)Ether	330.00 U	330.00 U	330.00 U	330.00 U
2-Chlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
1,3-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
1,4-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Benzyl Alcohol	330.00 U	330.00 U	330.00 U	330.00 U
1,2-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
2-Methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
bis(2-Chloroisopropyl)Ether	330.00 U	330.00 U	330.00 U	330.00 U
4-Methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
N-Nitroso-di-n-propylamine	330.00 U	330.00 U	330.00 U	330.00 U
Hexachloroethane	330.00 U	330.00 U	330.00 U	330.00 U
Nitrobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Isophorone	330.00 U	330.00 U	330.00 U	330.00 U
2-Nitrophenol	330.00 U	330.00 U	330.00 U	330.00 U
2,4-Dimethylphenol	330.00 U	330.00 U	330.00 U	330.00 U
Benzoic Acid	1600.00 U	1600.00 U	1600.00 U	1600.00 U
bis(2-Chloroethoxy)Methane	330.00 U	330.00 U	330.00 U	330.00 U
2,4-Dichlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
1,2,4-Trichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Naphthalene	330.00 U	330.00 U	330.00 U	330.00 U
4-Chloroaniline	330.00 U	330.00 U	330.00 U	330.00 U
Hexachlororbutadiene	330.00 U	330.00 U	330.00 U	330.00 U
4-Chloro-3-methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
2-Methylnaphthalene	330.00 U	330.00 U	330.00 U	330.00 U
Hexachlorocyclopentadiene	330.00 U	330.00 U	330.00 U	330.00 U
2,4,6-Trichlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
2,4,5-Trichlorophenol	1600.00 U	1600.00 U	1600.00 U	1600.00 U
2-Chloronaphthalene	330.00 U	330.00 U	330.00 U	330.00 U
2-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	1600.00 U
Dimethyl Phthalate	330.00 U	330.00 U	330.00 U	330.00 U
Acenaphthylene	330.00 U	330.00 U	330.00 U	330.00 U
3-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	1600.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8706-024-0060	8706-024-0080	8706-024-0040	8706-024-0020
Customer ID:	BH04870010	BH048710WT	BH048715CT	BH048719BR
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Analytes

Acenaphthene	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dinitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4-Nitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Dibenzofuran	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
2,6-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
Diethylphthalate	330.00	U	330.00	U	330.00	U	330.00	U
4-Chlorophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Fluorene	330.00	U	330.00	U	330.00	U	330.00	U
4-Nitroaniline	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4,6-Dinitro-2-methylphenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
N-Nitrosodiphenylamine	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4-Bromophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Hexachlorobenzene	330.00	U	330.00	U	330.00	U	330.00	U
Pentachlorophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Phenanthrene	210	J	330.00	U	330.00	U	330.00	U
Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
di-n-Butyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
Fluoranthene	290	J	330.00	U	330.00	U	330.00	U
Pyrene	240	J	330.00	U	330.00	U	330.00	U
Butyl Benzyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
3,3'-Dichlorobenzidine	660.00	U	660.00	U	660.00	U	660.00	U
Benzo(a)Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
bis(2-Ethylhexyl)Phthalate	470	J	1600		960		650	
Chrysene	330.00	U	330.00	U	330.00	U	330.00	U
di-n-Octyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(b)Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(k)Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(a)Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Indeno(1,2,3-cd)Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Dibenz(a,h)Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(g,h,i)Perylene	330.00	U	330.00	U	330.00	U	330.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8705-051-013	8705-051-014	8705-051-012	8705-051-007
Customer ID:	8H05870005	8H058705CT	8H0587088R	8H06870010
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1	1	1	1

Surrogate Recovery

2-Fluorophenol:	70 %	98 %	67 %	93 %
Phenol-d5:	64 %	92 %	67 %	92 %
2,4,6-Br3-Phenol:	106 %	152 %	98 %	98 %
Nitrobenzene-d5:	53 %	79 %	59 %	83 %
2-Fluorobiphenyl:	72 %	102 %	75 %	86 %
p-Terphenyl-d14:	52 %	74 %	55 %	75 %

Analytes

Phenol.....	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)Ether.....	10 U	10 U	10 U	10 U
2-Chlorophenol.....	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene.....	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene.....	10 U	10 U	10 U	10 U
Benzyl Alcohol.....	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene.....	10 U	10 U	10 U	10 U
2-Methylphenol.....	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl)Ether.....	10 U	10 U	10 U	10 U
4-Methylphenol.....	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine.....	10 U	10 U	10 U	10 U
Hexachloroethane.....	10 U	10 U	10 U	10 U
Nitrobenzene.....	10 U	10 U	10 U	10 U
Isophorone.....	10 U	10 U	10 U	10 U
2-Nitrophenol.....	10 U	10 U	10 U	10 U
2,4-Dimethylphenol.....	10 U	10 U	10 U	10 U
Benzoic Acid.....	50 U	50 U	50 U	50 U
bis(2-Chloroethoxy)Methane.....	10 U	10 U	10 U	10 U
2,4-Dichlorophenol.....	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene.....	10 U	10 U	10 U	10 U
Naphthalene.....	10 U	10 U	10 U	10 U
4-Chloroaniline.....	10 U	10 U	10 U	10 U
Hexachlororbutadiene.....	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol.....	10 U	10 U	10 U	10 U
2-Methylnaphthalene.....	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene.....	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol.....	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol.....	50 U	50 U	50 U	50 U
2-Chloronaphthalene.....	10 U	10 U	10 U	10 U
2-Nitroaniline.....	50 U	50 U	50 U	50 U
Dimethyl Phthalate.....	10 U	10 U	10 U	10 U
Acenaphthylene.....	10 U	10 U	10 U	10 U
3-Nitroaniline.....	50 U	50 U	50 U	50 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8705-051-013	8705-051-014	8705-051-012	8705-051-007
Customer ID:	BH05870005	BH058705CT	BH058708BR	BH06870010
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1	1	1	1

Analytes

Acenaphthene	10	U	10	U	10	U	10	U
2,4-Dinitrophenol	50	U	50	U	50	U	50	U
4-Nitrophenol	50	U	50	U	50	U	50	U
Dibenzofuran	10	U	10	U	10	U	10	U
2,4-Dinitrotoluene	10	U	10	U	10	U	10	U
2,6-Dinitrotoluene	10	U	10	U	10	U	10	U
Diethylphthalate	10	U	10	U	10	U	10	U
4-Chlorophenyl-phenylether	10	U	10	U	10	U	10	U
Fluorene	10	U	10	U	10	U	10	U
4-Nitroaniline	50	U	50	U	50	U	50	U
4,6-Dinitro-2-methylphenol	50	U	50	U	50	U	50	U
N-Nitrosodiphenylamine	10	U	10	U	10	U	10	U
4-Bromophenyl-phenylether	10	U	10	U	10	U	10	U
Hexachlorobenzene	10	U	10	U	10	U	10	U
Pentachlorophenol	50	U	50	U	50	U	50	U
Phenanthrene	10	U	10	U	10	U	10	U
Anthracene	10	U	10	U	10	U	10	U
di-n-Butyl Phthalate	10	U	10	U	10	U	10	U
Fluoranthene	10	U	10	U	10	U	10	U
Pyrene	10	U	10	U	10	U	10	U
Butyl Benzyl Phthalate	10	U	10	U	10	U	10	U
3,3'-Dichlorobenzidine	20	U	20	U	20	U	20	U
Benzo(a)Anthracene	10	U	10	U	10	U	10	U
bis(2-Ethylhexyl)Phthalate	880	B	870	B	950	B	1500	B
Chrysene	10	U	10	U	10	U	10	U
di-n-Octyl Phthalate	10	U	10	U	10	U	10	U
Benzo(b)Fluoranthene	10	U	10	U	10	U	10	U
Benzo(k)Fluoranthene	10	U	10	U	10	U	10	U
Benzo(a)Pyrene	10	U	10	U	10	U	10	U
Indeno(1,2,3-cd)Pyrene	10	U	10	U	10	U	10	U
Dibenz(a,h)Anthracene	10	U	10	U	10	U	10	U
Benzo(g,h,i)Perylene	10	U	10	U	10	U	10	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8705-051-009	8705-051-011	8705-051-010	8705-057-0050
Customer ID:	BH06871020	BH068726CT	BH068730BR	BH07870510
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1	1	1	1.0

Surrogate Recovery

2-Fluorophenol:	101 %	96 %	97 %	84 %
Phenol-d5:	99 %	92 %	99 %	80 %
2,4,6-Br3-Phenol:	134 %	126 %	140 %	86 %
Nitrobenzene-d5:	90 %	78 %	84 %	73 %
2-Fluorobiphenyl:	109 %	98 %	106 %	74 %
p-Terphenyl-d14:	79 %	70 %	72 %	64 %

Analytes

Phenol.....	10 U	10 U	10 U	330.00 U
bis(2-Chloroethyl)Ether.....	10 U	10 U	10 U	330.00 U
2-Chlorophenol.....	10 U	10 U	10 U	330.00 U
1,3-Dichlorobenzene.....	10 U	10 U	10 U	330.00 U
1,4-Dichlorobenzene.....	10 U	10 U	10 U	330.00 U
Benzyl Alcohol.....	10 U	10 U	10 U	330.00 U
1,2-Dichlorobenzene.....	10 U	10 U	10 U	330.00 U
2-Methylphenol.....	10 U	10 U	10 U	330.00 U
bis(2-Chloroisopropyl)Ether.....	10 U	10 U	10 U	330.00 U
4-Methylphenol.....	10 U	10 U	10 U	330.00 U
N-Nitroso-di-n-propylamine.....	10 U	10 U	10 U	330.00 U
Hexachloroethane.....	10 U	10 U	10 U	330.00 U
Nitrobenzene.....	10 U	10 U	10 U	330.00 U
Isophorone.....	10 U	10 U	10 U	330.00 U
2-Nitrophenol.....	10 U	10 U	10 U	330.00 U
2,4-Dimethylphenol.....	10 U	10 U	10 U	330.00 U
Benzoic Acid.....	50 U	50 U	50 U	1600.00 U
bis(2-Chloroethoxy)Methane.....	10 U	10 U	10 U	330.00 U
2,4-Dichlorophenol.....	10 U	10 U	10 U	330.00 U
1,2,4-Trichlorobenzene.....	10 U	10 U	10 U	330.00 U
Naphthalene.....	10 U	10 U	10 U	330.00 U
4-Chloroaniline.....	10 U	10 U	10 U	330.00 U
Hexachlororbutadiene.....	10 U	10 U	10 U	330.00 U
4-Chloro-3-methylphenol.....	10 U	10 U	10 U	330.00 U
2-Methylnaphthalene.....	10 U	10 U	10 U	330.00 U
Hexachlorocyclopentadiene.....	10 U	10 U	10 U	330.00 U
2,4,6-Trichlorophenol.....	10 U	10 U	10 U	330.00 U
2,4,5-Trichlorophenol.....	50 U	50 U	50 U	1600.00 U
2-Chloronaphthalene.....	10 U	10 U	10 U	330.00 U
2-Nitroaniline.....	50 U	50 U	50 U	1600.00 U
Dimethyl Phthalate.....	10 U	10 U	10 U	330.00 U
Acenaphthylene.....	10 U	10 U	10 U	330.00 U
3-Nitroaniline.....	50 U	50 U	50 U	1600.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8705-051-009	8705-051-011	8705-051-010	8705-057-0050
Customer ID:	8H06871020	8H068726CT	8H068730BR	8H07870510
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1	1	1	1.0

Analytes

Acenaphthene	10	U	10	U	10	U	330.00	U
2,4-Dinitrophenol	50	U	50	U	50	U	1600.00	U
4-Nitrophenol	50	U	50	U	50	U	1600.00	U
Dibenzofuran	10	U	10	U	10	U	330.00	U
2,4-Dinitrotoluene	10	U	10	U	10	U	330.00	U
2,6-Dinitrotoluene	10	U	10	U	10	U	330.00	U
Diethylphthalate	10	U	10	U	10	U	330.00	U
4-Chlorophenyl-phenylether	10	U	10	U	10	U	330.00	U
Fluorene	10	U	10	U	10	U	330.00	U
4-Nitroaniline	50	U	50	U	50	U	1600.00	U
4,6-Dinitro-2-methylphenol	50	U	50	U	50	U	1600.00	U
N-Nitrosodiphenylamine	10	U	10	U	10	U	1600.00	U
4-Bromophenyl-phenylether	10	U	10	U	10	U	330.00	U
Hexachlorobenzene	10	U	10	U	10	U	330.00	U
Pentachlorophenol	50	U	50	U	50	U	1600.00	U
Phenanthrene	10	U	10	U	10	U	330.00	U
Anthracene	10	U	10	U	10	U	330.00	U
di-n-Butyl Phthalate	10	U	10	U	10	U	330.00	U
Fluoranthene	10	U	10	U	10	U	330.00	U
Pyrene	10	U	10	U	10	U	330.00	U
Butyl Benzyl Phthalate	10	U	10	U	10	U	330.00	U
3,3'-Dichlorobenzidine	20	U	20	U	20	U	660.00	U
Benzo(a)Anthracene	10	U	10	U	10	U	330.00	U
bis(2-Ethylhexyl)Phthalate	1100	B	510	B	1200	B	3200.00	
Chrysene	10	U	10	U	10	U	330.00	U
di-n-Octyl Phthalate	10	U	10	U	10	U	330.00	U
Benzo(b)Fluoranthene	10	U	10	U	10	U	330.00	U
Benzo(k)Fluoranthene	10	U	10	U	10	U	330.00	U
Benzo(a)Pyrene	10	U	10	U	10	U	330.00	U
Indeno(1,2,3-cd)Pyrene	10	U	10	U	10	U	330.00	U
Dibenz(a,h)Anthracene	10	U	10	U	10	U	330.00	U
Benzo(g,h,i)Perylene	10	U	10	U	10	U	330.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8705-057-0070	8705-057-0010	8705-057-0090	8705-057-0030
Customer ID:	BH078705CT	BH0787088R	BH07871013	BH078710WS
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Surrogate Recovery

2-Fluorophenol:	89 %	77 %	81 %	84 %
Phenol-d5:	82 %	71 %	77 %	80 %
2,4,6-Br3-Phenol:	92 %	81 %	79 %	86 %
Nitrobenzene-d5:	81 %	77 %	72 %	78 %
2-Fluorobiphenyl:	78 %	67 %	71 %	75 %
p-Terphenyl-d14:	71 %	58 %	63 %	66 %

Analytes

Phenol	330.00	U	330.00	U	330.00	U	330.00	U
bis(2-Chloroethyl)Ether	330.00	U	330.00	U	330.00	U	330.00	U
2-Chlorophenol	330.00	U	330.00	U	330.00	U	330.00	U
1,3-Dichlorobenzene	330.00	U	330.00	U	330.00	U	330.00	U
1,4-Dichlorobenzene	330.00	U	330.00	U	330.00	U	330.00	U
Benzyl Alcohol	330.00	U	330.00	U	330.00	U	330.00	U
1,2-Dichlorobenzene	330.00	U	330.00	U	330.00	U	330.00	U
2-Methylphenol	330.00	U	330.00	U	330.00	U	330.00	U
bis(2-Chloroisopropyl)Ether	330.00	U	330.00	U	330.00	U	330.00	U
4-Methylphenol	330.00	U	330.00	U	330.00	U	330.00	U
N-Nitroso-di-n-propylamine	330.00	U	330.00	U	330.00	U	330.00	U
Hexachloroethane	330.00	U	330.00	U	330.00	U	330.00	U
Nitrobenzene	330.00	U	330.00	U	330.00	U	330.00	U
Isophorone	330.00	U	330.00	U	330.00	U	330.00	U
2-Nitrophenol	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dimethylphenol	330.00	U	330.00	U	330.00	U	330.00	U
Benzoic Acid	1600.00	U	1600.00	U	1600.00	U	1600.00	U
bis(2-Chloroethoxy)Methane	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dichlorophenol	330.00	U	330.00	U	330.00	U	330.00	U
1,2,4-Trichlorobenzene	330.00	U	330.00	U	330.00	U	330.00	U
Naphthalene	330.00	U	330.00	U	330.00	U	330.00	U
4-Chloroaniline	330.00	U	330.00	U	330.00	U	330.00	U
Hexachlororbutadiene	330.00	U	330.00	U	330.00	U	330.00	U
4-Chloro-3-methylphenol	330.00	U	330.00	U	330.00	U	330.00	U
2-Methylnaphthalene	330.00	U	330.00	U	330.00	U	330.00	U
Hexachlorocyclopentadiene	330.00	U	330.00	U	330.00	U	330.00	U
2,4,6-Trichlorophenol	330.00	U	330.00	U	330.00	U	330.00	U
2,4,5-Trichlorophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
2-Chloronaphthalene	330.00	U	330.00	U	330.00	U	330.00	U
2-Nitroaniline	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Dimethyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
Acenaphthylene	330.00	U	330.00	U	330.00	U	330.00	U
3-Nitroaniline	1600.00	U	1600.00	U	1600.00	U	1600.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8705-057-0070	8705-057-0010	8705-057-0090	8705-057-0030
Customer ID:	8H078705CT	8H078708BR	8H07871013	8H078710WS
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Analytes

Acenaphthene	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dinitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4-Nitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Dibenzofuran	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
2,6-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
Diethylphthalate	330.00	U	330.00	U	330.00	U	330.00	U
4-Chlorophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Fluorene	330.00	U	330.00	U	330.00	U	330.00	U
4-Nitroaniline	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4,6-Dinitro-2-methylphenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
N-Nitrosodiphenylamine	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4-Bromophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Hexachlorobenzene	330.00	U	330.00	U	330.00	U	330.00	U
Pentachlorophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Phenanthrene	330.00	U	330.00	U	330.00	U	330.00	U
Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
di-n-Butyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Butyl Benzyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
3,3'-Dichlorobenzidine	660.00	U	660.00	U	660.00	U	660.00	U
Benzo(a)Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
bis(2-Ethylhexyl)Phthalate	1300.00		1600.00		2500.00		1100.00	
Chrysene	330.00	U	330.00	U	330.00	U	330.00	U
di-n-Octyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(b)Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(k)Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(a)Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Indeno(1,2,3-cd)Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Dibenz(a,h)Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(g,h,i)Perylene	330.00	U	330.00	U	330.00	U	330.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8706-014-0040	8706-014-0080	8706-014-0160	8706-002-0050
Customer ID:	BH08870007	BH088707CT	BH088710BR	BH09870010
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Surrogate Recovery

2-Fluorophenol:	119 %	115 %	109 %	139 %
Phenol-d5:	117 %	114 %	107 %	125 %
2,4,6-Br3-Phenol:	144 %	146 %	135 %	113 %
Nitrobenzene-d5:	105 %	99 %	90 %	109 %
2-Fluorobiphenyl:	101 %	101 %	95 %	98 %
p-Terphenyl-d14:	90 %	90 %	83 %	115 %

Analytes

Phenol	330.00 U	330.00 U	330.00 U	330.00 U
bis(2-Chloroethyl)Ether	330.00 U	330.00 U	330.00 U	330.00 U
2-Chlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
1,3-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
1,4-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Benzyl Alcohol	330.00 U	330.00 U	330.00 U	330.00 U
1,2-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
2-Methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
bis(2-Chloroisopropyl)Ether	330.00 U	330.00 U	330.00 U	330.00 U
4-Methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
N-Nitroso-di-n-propylamine	330.00 U	330.00 U	330.00 U	330.00 U
Hexachloroethane	330.00 U	330.00 U	330.00 U	330.00 U
Nitrobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Isophorone	330.00 U	330.00 U	330.00 U	330.00 U
2-Nitrophenol	330.00 U	330.00 U	330.00 U	330.00 U
2,4-Dimethylphenol	330.00 U	330.00 U	330.00 U	330.00 U
Benzoic Acid	1600.00 U	1600.00 U	1600.00 U	1600.00 U
bis(2-Chloroethoxy)Methane	330.00 U	330.00 U	330.00 U	330.00 U
2,4-Dichlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
1,2,4-Trichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Naphthalene	330.00 U	330.00 U	330.00 U	330.00 U
4-Chloroaniline	330.00 U	330.00 U	330.00 U	330.00 U
Hexachlororbutadiene	330.00 U	330.00 U	330.00 U	330.00 U
4-Chloro-3-methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
2-Methylnaphthalene	330.00 U	330.00 U	330.00 U	330.00 U
Hexachlorocyclopentadiene	330.00 U	330.00 U	330.00 U	330.00 U
2,4,6-Trichlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
2,4,5-Trichlorophenol	1600.00 U	1600.00 U	1600.00 U	1600.00 U
2-Chloronaphthalene	330.00 U	330.00 U	330.00 U	330.00 U
2-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	1600.00 U
Dimethyl Phthalate	330.00 U	330.00 U	330.00 U	330.00 U
Acenaphthylene	330.00 U	330.00 U	330.00 U	330.00 U
3-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	1600.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-014-0040	8706-014-0080	8706-014-0160	8706-002-0050
Customer ID:	BH08870007	BH088707CT	BH088710BR	BH09870010
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Analytes

Acenaphthene	330.00	U	330.00	U	330.00	U	57	J
2,4-Dinitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4-Nitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Dibenzofuran	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
2,6-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
Diethylphthalate	330.00	U	330.00	U	330.00	U	330.00	U
4-Chlorophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Fluorene	330.00	U	330.00	U	330.00	U	54	J
4-Nitroaniline	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4,6-Dinitro-2-methylphenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
N-Nitrosodiphenylamine	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4-Bromophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Hexachlorobenzene	330.00	U	330.00	U	330.00	U	330.00	U
Pentachlorophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Phenanthrene	330.00	U	330.00	U	330.00	U	310	J
Anthracene	330.00	U	330.00	U	330.00	U	74	J
di-n-Butyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
Fluoranthene	330.00	U	330.00	U	330.00	U	240	J
Pyrene	330.00	U	330.00	U	330.00	U	250	J
Butyl Benzyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
3,3'-Dichlorobenzidine	660.00	U	660.00	U	660.00	U	660.00	U
Benzo(a)Anthracene	330.00	U	330.00	U	330.00	U	84	J
bis(2-Ethylhexyl)Phthalate	3800		3100		3700		3000	
Chrysene	330.00	U	330.00	U	330.00	U	91	J
di-n-Octyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(b)Fluoranthene	330.00	U	330.00	U	330.00	U	61	J
Benzo(k)Fluoranthene	330.00	U	330.00	U	330.00	U	78	J
Benzo(a)Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Indeno(1,2,3-cd)Pyrene	330.00	U	330.00	U	330.00	U	47	J
Dibenz(a,h)Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(g,h,i)Perylene	330.00	U	330.00	U	330.00	U	50	J

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8706-002-0030	3122-471-009	8706-002-0020	8706-005-0060
Customer ID:	BH098706WT	BH098711CT	BH098714BR	BH10870010
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	10	1.0	1.0

Surrogate Recovery

2-Fluorophenol:	124 %	40 %	123 %	108 %
Phenol-d5:	115 %	62 %	112 %	101 %
2,4,6-Br3-Phenol:	110 %	35 %	102 %	96 %
Nitrobenzene-d5:	109 %	70 %	106 %	90 %
2-Fluorobiphenyl:	98 %	56 %	91 %	85 %
p-Terphenyl-d14:	109 %	76 %	109 %	83 %

Analytes

Phenol	330.00	U	150	U	330.00	U	330.00	U
bis(2-Chloroethyl)Ether	330.00	U	150	U	330.00	U	330.00	U
2-Chlorophenol	330.00	U	200	U	330.00	U	330.00	U
1,3-Dichlorobenzene	330.00	U	200	U	330.00	U	330.00	U
1,4-Dichlorobenzene	330.00	U	200	U	330.00	U	330.00	U
Benzyl Alcohol	330.00	U	NR		330.00	U	330.00	U
1,2-Dichlorobenzene	330.00	U	200	U	330.00	U	330.00	U
2-Methylphenol	330.00	U	NR		330.00	U	330.00	U
bis(2-Chloroisopropyl)Ether	330.00	U	150	U	330.00	U	330.00	U
4-Methylphenol	330.00	U	NR		330.00	U	330.00	U
N-Nitroso-di-n-propylamine	330.00	U	200	U	330.00	U	330.00	U
Hexachloroethane	330.00	U	500	U	330.00	U	330.00	U
Nitrobenzene	330.00	U	200	U	330.00	U	330.00	U
Isophorone	330.00	U	100	U	330.00	U	330.00	U
2-Nitrophenol	330.00	U	400	U	330.00	U	330.00	U
2,4-Dimethylphenol	330.00	U	400	U	330.00	U	330.00	U
Benzoic Acid	1600.00	U	1600	U	1600.00	U	1600.00	U
bis(2-Chloroethoxy)Methane	330.00	U	200	U	330.00	U	330.00	U
2,4-Dichlorophenol	330.00	U	400	U	330.00	U	330.00	U
1,2,4-Trichlorobenzene	330.00	U	300	U	330.00	U	330.00	U
Naphthalene	330.00	U	100	U	330.00	U	330.00	U
4-Chloroaniline	330.00	U	NR		330.00	U	330.00	U
Hexachlororbutadiene	330.00	U	800	U	330.00	U	330.00	U
4-Chloro-3-methylphenol	330.00	U	330	U	330.00	U	330.00	U
2-Methylnaphthalene	330.00	U	NR		330.00	U	330.00	U
Hexachlorocyclopentadiene	330.00	U	800	U	330.00	U	330.00	U
2,4,6-Trichlorophenol	330.00	U	800	U	330.00	U	330.00	U
2,4,5-Trichlorophenol	1600.00	U	NR		1600.00	U	1600.00	U
2-Chloronaphthalene	330.00	U	200	U	330.00	U	330.00	U
2-Nitroaniline	1600.00	U	NR		1600.00	U	1600.00	U
Dimethyl Phthalate	330.00	U	200	U	330.00	U	330.00	U
Acenaphthylene	330.00	U	100	U	330.00	U	330.00	U
3-Nitroaniline	1600.00	U	NR		1600.00	U	1600.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-002-0030	3122-471-009	8706-002-0020	8706-005-0060
Customer ID:	BH098706WT	BH098711CT	BH098714BR	BH10870010
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	10	1.0	1.0

Analytes

Acenaphthene	330.00	U	150	U	330.00	U	330.00	U
2,4-Dinitrophenol	1600.00	U	700	U	1600.00	U	1600.00	U
4-Nitrophenol	1600.00	U	350	U	1600.00	U	1600.00	U
Dibenzofuran	330.00	U	NR	U	330.00	U	330.00	U
2,4-Dinitrotoluene	330.00	U	350	U	330.00	U	330.00	U
2,6-Dinitrotoluene	330.00	U	800	U	330.00	U	330.00	U
Diethylphthalate	330.00	U	28		330.00	U	330.00	U
4-Chlorophenyl-phenylether	330.00	U	150	U	330.00	U	330.00	U
Fluorene	330.00	U	150	U	330.00	U	330.00	U
4-Nitroaniline	1600.00	U	NR	U	1600.00	U	1600.00	U
4,6-Dinitro-2-methylphenol	1600.00	U	NR	U	1600.00	U	1600.00	U
N-Nitrosodiphenylamine	1600.00	U	350	U	1600.00	U	1600.00	U
4-Bromophenyl-phenylether	330.00	U	350	U	330.00	U	330.00	U
Hexachlorobenzene	330.00	U	350	U	330.00	U	330.00	U
Pentachlorophenol	1600.00	U	350	U	1600.00	U	1600.00	U
Phenanthrene	35	J	100	U	330.00	U	330.00	U
Anthracene	330.00	U	100	U	330.00	U	330.00	U
di-n-Butyl Phthalate	35	J	1493		330.00	U	330.00	U
Fluoranthene	330.00	U	100	U	330.00	U	330.00	U
Pyrene	330.00	U	100	U	330.00	U	330.00	U
Butyl Benzyl Phthalate	330.00	U	150	U	330.00	U	330.00	U
3,3'-Dichlorobenzidine	660.00	U	700	U	660.00	U	660.00	U
Benzo(a)Anthracene	330.00	U	100	U	330.00	U	330.00	U
bis(2-Ethylhexyl)Phthalate	1900		3591		1000		1000	
Chrysene	330.00	U	100	U	330.00	U	330.00	U
di-n-Octyl Phthalate	330.00	U	100	U	330.00	U	330.00	U
Benzo(b)Fluoranthene	330.00	U	200	U	330.00	U	330.00	U
Benzo(k)Fluoranthene	330.00	U	200	U	330.00	U	330.00	U
Benzo(a)Pyrene	330.00	U	600	U	330.00	U	330.00	U
Indeno(1,2,3-cd)Pyrene	330.00	U	300	U	330.00	U	330.00	U
Dibenz(a,h)Anthracene	330.00	U	350	U	330.00	U	330.00	U
Benzo(g,h,i)Perylene	330.00	U	300	U	330.00	U	330.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8706-005-0040	8706-005-0080	8706-005-0020	8706-010-0060
Customer ID:	BH10871020	BH108720CT	BH108723BR	BH11870010
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Surrogate Recovery

2-Fluorophenol:	136 %	133 %	120 %	127 %
Phenol-d5:	128 %	120 %	113 %	108 %
2,4,6-Br3-Phenol:	122 %	113 %	104 %	90 %
Nitrobenzene-d5:	112 %	109 %	100 %	97 %
2-Fluorobiphenyl:	101 %	96 %	89 %	98 %
p-Terphenyl-d14:	99 %	93 %	82 %	88 %

Analytes

Phenol	330.00 U	330.00 U	330.00 U	330.00 U
bis(2-Chloroethyl)Ether	330.00 U	330.00 U	330.00 U	330.00 U
2-Chlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
1,3-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
1,4-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Benzyl Alcohol	330.00 U	330.00 U	330.00 U	330.00 U
1,2-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
2-Methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
bis(2-Chloroisopropyl)Ether	330.00 U	330.00 U	330.00 U	330.00 U
4-Methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
N-Nitroso-di-n-propylamine	330.00 U	330.00 U	330.00 U	330.00 U
Hexachloroethane	330.00 U	330.00 U	330.00 U	330.00 U
Nitrobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Isophorone	330.00 U	330.00 U	330.00 U	330.00 U
2-Nitrophenol	330.00 U	330.00 U	330.00 U	330.00 U
2,4-Dimethylphenol	330.00 U	330.00 U	330.00 U	330.00 U
Benzoic Acid	1600.00 U	1600.00 U	1600.00 U	1600.00 U
bis(2-Chloroethoxy)Methane	330.00 U	330.00 U	330.00 U	330.00 U
2,4-Dichlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
1,2,4-Trichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Naphthalene	330.00 U	330.00 U	330.00 U	330.00 U
4-Chloroaniline	330.00 U	330.00 U	330.00 U	330.00 U
Hexachlororbutadiene	330.00 U	330.00 U	330.00 U	330.00 U
4-Chloro-3-methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
2-Methylnaphthalene	330.00 U	330.00 U	330.00 U	330.00 U
Hexachlorocyclopentadiene	330.00 U	330.00 U	330.00 U	330.00 U
2,4,6-Trichlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
2,4,5-Trichlorophenol	1600.00 U	1600.00 U	1600.00 U	1600.00 U
2-Chloronaphthalene	330.00 U	330.00 U	330.00 U	330.00 U
2-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	1600.00 U
Dimethyl Phthalate	330.00 U	330.00 U	330.00 U	330.00 U
Acenaphthylene	330.00 U	330.00 U	330.00 U	330.00 U
3-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	1600.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8706-005-0040	8706-005-0080	8706-005-0020	8706-010-0060
Customer ID:	8H10871020	8H108720CT	8H108723BR	8H11870010
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Analytes

Acenaphthene	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dinitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4-Nitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Dibenzofuran	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
2,6-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
Diethylphthalate	330.00	U	330.00	U	330.00	U	330.00	U
4-Chlorophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Fluorene	330.00	U	330.00	U	330.00	U	330.00	U
4-Nitroaniline	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4,6-Dinitro-2-methylphenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
N-Nitrosodiphenylamine	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4-Bromophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Hexachlorobenzene	330.00	U	330.00	U	330.00	U	330.00	U
Pentachlorophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Phenanthrene	330.00	U	330.00	U	330.00	U	330.00	U
Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
di-n-Butyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Butyl Benzyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
3,3'-Dichlorobenzidine	660.00	U	660.00	U	660.00	U	660.00	U
Benzo(a)Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
bis(2-Ethylhexyl)Phthalate	820		590		730		880	
Chrysene	330.00	U	330.00	U	330.00	U	330.00	U
di-n-Octyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(b)Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(k)Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(a)Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Indeno(1,2,3-cd)Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Dibenz(a,h)Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(g,h,i)Perylene	330.00	U	330.00	U	330.00	U	330.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8706-010-0020	8706-010-0040	8705-059-0020	8705-059-0040
Customer ID:	BH118711CT	BH118714WT	BH128702CT	BH128705BR
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Surrogate Recovery

2-Fluorophenol:	132 %	118 %	78 %	66 %
Phenol-d5:	121 %	107 %	77 %	63 %
2,4,6-Br3-Phenol:	116 %	100 %	80 %	62 %
Nitrobenzene-d5:	110 %	99 %	72 %	59 %
2-Fluorobiphenyl:	96 %	90 %	73 %	56 %
p-Terphenyl-d14:	92 %	90 %	67 %	49 %

Analytes

Phenol	330.00 U	330.00 U	330.00 U	330.00 U
bis(2-Chloroethyl)Ether	330.00 U	330.00 U	330.00 U	330.00 U
2-Chlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
1,3-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
1,4-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Benzyl Alcohol	330.00 U	330.00 U	330.00 U	330.00 U
1,2-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
2-Methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
bis(2-Chloroisopropyl)Ether	330.00 U	330.00 U	330.00 U	330.00 U
4-Methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
N-Nitroso-di-n-propylamine	330.00 U	330.00 U	330.00 U	330.00 U
Hexachloroethane	330.00 U	330.00 U	330.00 U	330.00 U
Nitrobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Isophorone	330.00 U	330.00 U	330.00 U	330.00 U
2-Nitrophenol	330.00 U	330.00 U	330.00 U	330.00 U
2,4-Dimethylphenol	330.00 U	330.00 U	330.00 U	330.00 U
Benzoic Acid	1600.00 U	1600.00 U	1600.00 U	1600.00 U
bis(2-Chloroethoxy)Methane	330.00 U	330.00 U	330.00 U	330.00 U
2,4-Dichlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
1,2,4-Trichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Naphthalene	330.00 U	330.00 U	330.00 U	330.00 U
4-Chloroaniline	330.00 U	330.00 U	330.00 U	330.00 U
Hexachlororbutadiene	330.00 U	330.00 U	330.00 U	330.00 U
4-Chloro-3-methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
2-Methylnaphthalene	330.00 U	330.00 U	330.00 U	330.00 U
Hexachlorocyclopentadiene	330.00 U	330.00 U	330.00 U	330.00 U
2,4,6-Trichlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
2,4,5-Trichlorophenol	1600.00 U	1600.00 U	1600.00 U	1600.00 U
2-Chloronaphthalene	330.00 U	330.00 U	330.00 U	330.00 U
2-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	1600.00 U
Dimethyl Phthalate	330.00 U	330.00 U	330.00 U	330.00 U
Acenaphthylene	330.00 U	330.00 U	330.00 U	330.00 U
3-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	1600.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8706-010-0020	8706-010-0040	8705-059-0020	8705-059-0040
Customer ID:	BH118711CT	BH118714WT	BH128702CT	BH128705BR
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Analytes

Acenaphthene	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dinitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4-Nitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Dibenzofuran	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
2,6-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
Diethylphthalate	330.00	U	330.00	U	330.00	U	330.00	U
4-Chlorophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Fluorene	330.00	U	330.00	U	330.00	U	330.00	U
4-Nitroaniline	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4,6-Dinitro-2-methylphenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
N-Nitrosodiphenylamine	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4-Bromophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Hexachlorobenzene	330.00	U	330.00	U	330.00	U	330.00	U
Pentachlorophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Phenanthrene	330.00	U	330.00	U	92.00	J	330.00	U
Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
di-n-Butyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
Fluoranthene	330.00	U	330.00	U	110.00	J	330.00	U
Pyrene	330.00	U	330.00	U	110.00	J	330.00	U
Butyl Benzyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
3,3'-Dichlorobenzidine	660.00	U	660.00	U	660.00	U	660.00	U
Benzo(a)Anthracene	330.00	U	330.00	U	36.00	J	330.00	U
bis(2-Ethylhexyl)Phthalate	760		1000		490.00		600.00	
Chrysene	330.00	U	330.00	U	42.00	J	330.00	U
di-n-Octyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(b)Fluoranthene	330.00	U	330.00	U	34.00	J	330.00	U
Benzo(k)Fluoranthene	330.00	U	330.00	U	35.00	J	330.00	U
Benzo(a)Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Indeno(1,2,3-cd)Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Dibenz(a,h)Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(g,h,i)Perylene	330.00	U	330.00	U	330.00	U	330.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8706-004-0020	3122-471-004	8706-004-0040	3122-471-007
Customer ID:	BH13870010	BH138711CT	BH1387148R	BH148703W1
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	10	1.0	10

Surrogate Recovery

2-Fluorophenol:	127 %	19 %	128 %	44 %
Phenol-d5:	114 %	50 %	117 %	72 %
2,4,6-Br3-Phenol:	108 %	22 %	108 %	51 %
Nitrobenzene-d5:	105 %	62 %	102 %	62 %
2-Fluorobiphenyl:	97 %	51 %	96 %	51 %
p-Terphenyl-d14:	107 %	84 %	112 %	75 %

Analytes

Phenol	330.00 U	150 U	330.00 U	150 U
bis(2-Chloroethyl)Ether	330.00 U	150 U	330.00 U	150 U
2-Chlorophenol	330.00 U	200 U	330.00 U	200 U
1,3-Dichlorobenzene	330.00 U	200 U	330.00 U	200 U
1,4-Dichlorobenzene	330.00 U	200 U	330.00 U	200 U
Benzyl Alcohol	330.00 U	NR	330.00 U	NR
1,2-Dichlorobenzene	330.00 U	200 U	330.00 U	200 U
2-Methylphenol	330.00 U	NR	330.00 U	NR
bis(2-Chloroisopropyl)Ether	330.00 U	150 U	330.00 U	150 U
4-Methylphenol	330.00 U	NR	330.00 U	NR
N-Nitroso-di-n-propylamine	330.00 U	200 U	330.00 U	200 U
Hexachloroethane	330.00 U	500 U	330.00 U	500 U
Nitrobenzene	330.00 U	200 U	330.00 U	200 U
Isophorone	330.00 U	100 U	330.00 U	100 U
2-Nitrophenol	330.00 U	400 U	330.00 U	400 U
2,4-Dimethylphenol	330.00 U	400 U	330.00 U	400 U
Benzoic Acid	1600.00 U	1600 U	1600.00 U	1600 U
bis(2-Chloroethoxy)Methane	330.00 U	200 U	330.00 U	200 U
2,4-Dichlorophenol	330.00 U	400 U	330.00 U	400 U
1,2,4-Trichlorobenzene	330.00 U	300 U	330.00 U	300 U
Naphthalene	330.00 U	100 U	330.00 U	100 U
4-Chloroaniline	330.00 U	NR	330.00 U	NR
Hexachlororbutadiene	330.00 U	800 U	330.00 U	800 U
4-Chloro-3-methylphenol	330.00 U	330 U	330.00 U	330 U
2-Methylnaphthalene	330.00 U	NR	330.00 U	NR
Hexachlorocyclopentadiene	330.00 U	800 U	330.00 U	800 U
2,4,6-Trichlorophenol	330.00 U	800 U	330.00 U	800 U
2,4,5-Trichlorophenol	1600.00 U	NR	1600.00 U	NR
2-Chloronaphthalene	330.00 U	200 U	330.00 U	200 U
2-Nitroaniline	1600.00 U	NR	1600.00 U	NR
Dimethyl Phthalate	330.00 U	200 U	330.00 U	200 U
Acenaphthylene	330.00 U	100 U	330.00 U	100 U
3-Nitroaniline	1600.00 U	NR	1600.00 U	NR

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8706-004-0020	3122-471-004	8706-004-0040	3122-471-007
Customer ID:	BH13870010	BH138711CT	BH1387148R	BH148703W1
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	10	1.0	10

Analytes

Acenaphthene	330.00	U	150	U	330.00	U	150	U
2,4-Dinitrophenol	1600.00	U	700	U	1600.00	U	700	U
4-Nitrophenol	1600.00	U	350	U	1600.00	U	350	U
Dibenzofuran	330.00	U	NR	U	330.00	U	NR	U
2,4-Dinitrotoluene	330.00	U	350	U	330.00	U	350	U
2,6-Dinitrotoluene	330.00	U	800	U	330.00	U	800	U
Diethylphthalate	330.00	U	26		330.00	U	29	
4-Chlorophenyl-phenylether	330.00	U	150	U	330.00	U	150	U
Fluorene	330.00	U	150	U	330.00	U	150	U
4-Nitroaniline	1600.00	U	NR	U	1600.00	U	NR	U
4,6-Dinitro-2-methylphenol	1600.00	U	NR	U	1600.00	U	NR	U
N-Nitrosodiphenylamine	1600.00	U	350	U	1600.00	U	350	U
4-Bromophenyl-phenylether	330.00	U	350	U	330.00	U	350	U
Hexachlorobenzene	330.00	U	350	U	330.00	U	350	U
Pentachlorophenol	1600.00	U	350	U	1600.00	U	350	U
Phenanthrene	330.00	U	100	U	330.00	U	100	U
Anthracene	330.00	U	100	U	330.00	U	100	U
di-n-Butyl Phthalate	330.00	U	2016		41	J	1375	
Fluoranthene	330.00	U	100	U	330.00	U	100	U
Pyrene	330.00	U	100	U	330.00	U	100	U
Butyl Benzyl Phthalate	330.00	U	150	U	330.00	U	150	U
3,3'-Dichlorobenzidine	660.00	U	700	U	660.00	U	700	U
Benzo(a)Anthracene	330.00	U	100	U	330.00	U	100	U
bis(2-Ethylhexyl)Phthalate	1000		1185		3500		150	U
Chrysene	330.00	U	100	U	330.00	U	100	U
di-n-Octyl Phthalate	170	J	265		330.00	U	100	U
Benzo(b)Fluoranthene	330.00	U	200	U	330.00	U	200	U
Benzo(k)Fluoranthene	330.00	U	200	U	330.00	U	200	U
Benzo(a)Pyrene	330.00	U	600	U	330.00	U	600	U
Indeno(1,2,3-cd)Pyrene	330.00	U	300	U	330.00	U	300	U
Dibenz(a,h)Anthracene	330.00	U	350	U	330.00	U	350	U
Benzo(g,h,i)Perylene	330.00	U	300	U	330.00	U	300	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	3122-471-003	3122-471-002	3122-471-008	8706-014-0140
Customer ID:	BH148706CT	BH148708W2	BH148709BR	BH15870005
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	10	10	10	1.0

Surrogate Recovery

2-Fluorophenol:	60 %	52 %	61 %	113 %
Phenol-d5:	53 %	59 %	78 %	110 %
2,4,6-Br3-Phenol:	72 %	49 %	60 %	142 %
Nitrobenzene-d5:	25 %	41 %	79 %	98 %
2-Fluorobiphenyl:	22 %	33 %	63 %	100 %
p-Terphenyl-d14:	88 %	94 %	92 %	84 %

Analytes

Phenol	150 U	150 U	150 U	330.00 U
bis(2-Chloroethyl)Ether	150 U	150 U	150 U	330.00 U
2-Chlorophenol	200 U	200 U	200 U	330.00 U
1,3-Dichlorobenzene	200 U	200 U	200 U	330.00 U
1,4-Dichlorobenzene	200 U	200 U	200 U	330.00 U
Benzyl Alcohol	NR	NR	NR	330.00 U
1,2-Dichlorobenzene	200 U	200 U	200 U	330.00 U
2-Methylphenol	NR	NR	NR	330.00 U
bis(2-Chloroisopropyl)Ether	150 U	150 U	150 U	330.00 U
4-Methylphenol	NR	NR	NR	330.00 U
N-Nitroso-di-n-propylamine	200 U	200 U	200 U	330.00 U
Hexachloroethane	500 U	500 U	500 U	330.00 U
Nitrobenzene	200 U	200 U	200 U	330.00 U
Isophorone	100 U	100 U	100 U	330.00 U
2-Nitrophenol	400 U	400 U	400 U	330.00 U
2,4-Dimethylphenol	400 U	400 U	400 U	330.00 U
Benzoic Acid	1600 U	1600 U	1600 U	1600.00 U
bis(2-Chloroethoxy)Methane	200 U	200 U	200 U	330.00 U
2,4-Dichlorophenol	400 U	400 U	400 U	330.00 U
1,2,4-Trichlorobenzene	300 U	300 U	300 U	330.00 U
Naphthalene	100 U	100 U	100 U	330.00 U
4-Chloroaniline	NR	NR	NR	330.00 U
Hexachlororbutadiene	800 U	800 U	800 U	330.00 U
4-Chloro-3-methylphenol	330 U	330 U	330 U	330.00 U
2-Methylnaphthalene	NR	NR	NR	330.00 U
Hexachlorocyclopentadiene	800 U	800 U	800 U	330.00 U
2,4,6-Trichlorophenol	800 U	800 U	800 U	330.00 U
2,4,5-Trichlorophenol	NR	NR	NR	1600.00 U
2-Chloronaphthalene	200 U	200 U	200 U	330.00 U
2-Nitroaniline	NR	NR	NR	1600.00 U
Dimethyl Phthalate	200 U	200 U	200 U	330.00 U
Acenaphthylene	100 U	100 U	100 U	330.00 U
3-Nitroaniline	NR	NR	NR	1600.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	3122-471-003	3122-471-002	3122-471-008	8706-014-0140
Customer ID:	BH148706CT	BH148708W2	BH148709BR	BH15870005
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	10	10	10	1.0

Analytes

Acenaphthene	150	U	150	U	150	U	57	J
2,4-Dinitrophenol	700	U	700	U	700	U	1600.00	U
4-Nitrophenol	350	U	350	U	350	U	1600.00	U
Dibenzofuran	NR	U	NR	U	NR	U	330.00	U
2,4-Dinitrotoluene	350	U	350	U	350	U	330.00	U
2,6-Dinitrotoluene	800	U	800	U	800	U	330.00	U
Diethylphthalate	150	U	150	U	31		330.00	U
4-Chlorophenyl-phenylether	150	U	150	U	150	U	330.00	U
Fluorene	150	U	150	U	150	U	55	J
4-Nitroaniline	NR	U	NR	U	NR	U	1600.00	U
4,6-Dinitro-2-methylphenol	NR	U	NR	U	NR	U	1600.00	U
N-Nitrosodiphenylamine	350	U	350	U	350	U	1600.00	U
4-Bromophenyl-phenylether	350	U	350	U	350	U	330.00	U
Hexachlorobenzene	350	U	350	U	350	U	330.00	U
Pentachlorophenol	350	U	350	U	350	U	1600.00	U
Phenanthrene	100	U	100	U	100	U	370	
Anthracene	100	U	100	U	100	U	81	J
di-n-Butyl Phthalate	2424		2059		2702		330.00	U
Fluoranthene	100	U	100	U	100	U	350	
Pyrene	100	U	100	U	100	U	270	J
Butyl Benzyl Phthalate	150	U	150	U	150	U	330.00	U
3,3'-Dichlorobenzidine	700	U	700	U	700	U	660.00	U
Benzo(a)Anthracene	100	U	100	U	100	U	110	J
bis(2-Ethylhexyl)Phthalate	275		514		350		1900	
Chrysene	100	U	100	U	100	U	150	J
di-n-Octyl Phthalate	100	U	100	U	100	U	330.00	U
Benzo(b)Fluoranthene	200	U	200	U	200	U	86	J
Benzo(k)Fluoranthene	200	U	200	U	200	U	180	J
Benzo(a)Pyrene	600	U	600	U	600	U	130	J
Indeno(1,2,3-cd)Pyrene	300	U	300	U	300	U	330.00	U
Dibenz(a,h)Anthracene	350	U	350	U	350	U	330.00	U
Benzo(g,h,i)Perylene	300	U	300	U	300	U	330.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8706-014-0180	8706-014-0120	8706-010-0120	8706-010-0100
Customer ID:	8H15870510	8H158726BR	8H16870206	8H168702CT
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Surrogate Recovery

2-Fluorophenol:	103 %	118 %	125 %	136 %
Phenol-d5:	100 %	117 %	114 %	124 %
2,4,6-Br3-Phenol:	138 %	148 %	112 %	116 %
Nitrobenzene-d5:	90 %	101 %	105 %	109 %
2-Fluorobiphenyl:	93 %	101 %	92 %	101 %
p-Terphenyl-d14:	82 %	92 %	90 %	95 %

Analytes

Phenol	330.00 U	330.00 U	330.00 U	330.00 U
bis(2-Chloroethyl)Ether	330.00 U	330.00 U	330.00 U	330.00 U
2-Chlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
1,3-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
1,4-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Benzyl Alcohol	330.00 U	330.00 U	330.00 U	330.00 U
1,2-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
2-Methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
bis(2-Chloroisopropyl)Ether	330.00 U	330.00 U	330.00 U	330.00 U
4-Methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
N-Nitroso-di-n-propylamine	330.00 U	330.00 U	330.00 U	330.00 U
Hexachloroethane	330.00 U	330.00 U	330.00 U	330.00 U
Nitrobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Isophorone	330.00 U	330.00 U	330.00 U	330.00 U
2-Nitrophenol	330.00 U	330.00 U	330.00 U	330.00 U
2,4-Dimethylphenol	330.00 U	330.00 U	330.00 U	330.00 U
Benzoic Acid	1600.00 U	1600.00 U	1600.00 U	1600.00 U
bis(2-Chloroethoxy)Methane	330.00 U	330.00 U	330.00 U	330.00 U
2,4-Dichlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
1,2,4-Trichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Naphthalene	330.00 U	330.00 U	330.00 U	330.00 U
4-Chloroaniline	330.00 U	330.00 U	330.00 U	330.00 U
Hexachlororbutadiene	330.00 U	330.00 U	330.00 U	330.00 U
4-Chloro-3-methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
2-Methylnaphthalene	330.00 U	330.00 U	330.00 U	330.00 U
Hexachlorocyclopentadiene	330.00 U	330.00 U	330.00 U	330.00 U
2,4,6-Trichlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
2,4,5-Trichlorophenol	1600.00 U	1600.00 U	1600.00 U	1600.00 U
2-Chloronaphthalene	330.00 U	330.00 U	330.00 U	330.00 U
2-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	1600.00 U
Dimethyl Phthalate	330.00 U	330.00 U	330.00 U	330.00 U
Acenaphthylene	330.00 U	330.00 U	330.00 U	330.00 U
3-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	1600.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8706-014-0180	8706-014-0120	8706-010-0120	8706-010-0100
Customer ID:	BH15870510	BH1587268R	BH16870206	BH168702CT
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Analytes

Acenaphthene	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dinitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4-Nitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Dibenzofuran	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
2,6-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
Diethylphthalate	330.00	U	330.00	U	330.00	U	330.00	U
4-Chlorophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Fluorene	330.00	U	330.00	U	330.00	U	330.00	U
4-Nitroaniline	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4,6-Dinitro-2-methylphenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
N-Nitrosodiphenylamine	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4-Bromophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Hexachlorobenzene	330.00	U	330.00	U	330.00	U	330.00	U
Pentachlorophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Phenanthrene	330.00	U	330.00	U	330.00	U	330.00	U
Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
di-n-Butyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Butyl Benzyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
3,3'-Dichlorobenzidine	660.00	U	660.00	U	660.00	U	660.00	U
Benzo(a)Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
bis(2-Ethylhexyl)Phthalate	1000		850		800		800	
Chrysene	330.00	U	330.00	U	330.00	U	330.00	U
di-n-Octyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(b)Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(k)Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(a)Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Indeno(1,2,3-cd)Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Dibenz(a,h)Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(g,h,i)Perylene	330.00	U	330.00	U	330.00	U	330.00	U

Modifiers: U=Analyzed; not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8706-010-0080	8706-014-0100	8706-014-0060	8706-014-0020
Customer ID:	BH168706BR	BH17870005	BH178705CT	BH178708BR
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Surrogate Recovery

2-Fluorophenol:	129 %	113 %	120 %	118 %
Phenol-d5:	118 %	110 %	120 %	117 %
2,4,6-Br3-Phenol:	114 %	142 %	143 %	140 %
Nitrobenzene-d5:	106 %	98 %	104 %	100 %
2-Fluorobiphenyl:	96 %	100 %	105 %	102 %
p-Terphenyl-d14:	92 %	84 %	90 %	88 %

Analytes

Phenol	330.00 U	330.00 U	330.00 U	330.00 U
bis(2-Chloroethyl)Ether	330.00 U	330.00 U	330.00 U	330.00 U
2-Chlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
1,3-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
1,4-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Benzyl Alcohol	330.00 U	330.00 U	330.00 U	330.00 U
1,2-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
2-Methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
bis(2-Chloroisopropyl)Ether	330.00 U	330.00 U	330.00 U	330.00 U
4-Methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
N-Nitroso-di-n-propylamine	330.00 U	330.00 U	330.00 U	330.00 U
Hexachloroethane	330.00 U	330.00 U	330.00 U	330.00 U
Nitrobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Isophorone	330.00 U	330.00 U	330.00 U	330.00 U
2-Nitrophenol	330.00 U	330.00 U	330.00 U	330.00 U
2,4-Dimethylphenol	330.00 U	330.00 U	330.00 U	330.00 U
Benzoic Acid	1600.00 U	1600.00 U	1600.00 U	1600.00 U
bis(2-Chloroethoxy)Methane	330.00 U	330.00 U	330.00 U	330.00 U
2,4-Dichlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
1,2,4-Trichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Naphthalene	330.00 U	330.00 U	330.00 U	330.00 U
4-Chloroaniline	330.00 U	330.00 U	330.00 U	330.00 U
Hexachlororbutadiene	330.00 U	330.00 U	330.00 U	330.00 U
4-Chloro-3-methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
2-Methylnaphthalene	330.00 U	330.00 U	330.00 U	330.00 U
Hexachlorocyclopentadiene	330.00 U	330.00 U	330.00 U	330.00 U
2,4,6-Trichlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
2,4,5-Trichlorophenol	1600.00 U	1600.00 U	1600.00 U	1600.00 U
2-Chloronaphthalene	330.00 U	330.00 U	330.00 U	330.00 U
2-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	1600.00 U
Dimethyl Phthalate	330.00 U	330.00 U	330.00 U	330.00 U
Acenaphthylene	330.00 U	330.00 U	330.00 U	330.00 U
3-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	1600.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-010-0080	8706-014-0100	8706-014-0060	8706-014-0020
Customer ID:	BH168706BR	BH17870005	BH178705CT	BH1787088R
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Analytes

Acenaphthene	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dinitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4-Nitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Dibenzofuran	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
2,6-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
Diethylphthalate	330.00	U	330.00	U	330.00	U	330.00	U
4-Chlorophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Fluorene	330.00	U	330.00	U	330.00	U	330.00	U
4-Nitroaniline	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4,6-Dinitro-2-methylphenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
N-Nitrosodiphenylamine	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4-Bromophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Hexachlorobenzene	330.00	U	330.00	U	330.00	U	330.00	U
Pentachlorophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Phenanthrene	330.00	U	180	J	330.00	U	330.00	U
Anthracene	330.00	U	46	J	330.00	U	330.00	U
di-n-Butyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
Fluoranthene	330.00	U	200	J	330.00	U	330.00	U
Pyrene	330.00	U	140	J	330.00	U	330.00	U
Butyl Benzyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
3,3'-Dichlorobenzidine	660.00	U	660.00	U	660.00	U	660.00	U
Benzo(a)Anthracene	330.00	U	66	J	330.00	U	330.00	U
bis(2-Ethylhexyl)Phthalate	750		1200		1300		1500	
Chrysene	330.00	U	72	J	330.00	U	330.00	U
di-n-Octyl Phthalate	330.00	U	250	J	330.00	U	330.00	U
Benzo(b)Fluoranthene	330.00	U	89	J	330.00	U	330.00	U
Benzo(k)Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(a)Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Indeno(1,2,3-cd)Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Dibenz(a,h)Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(g,h,i)Perylene	330.00	U	330.00	U	330.00	U	330.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8710-025-0010	8710-025-0020	8710-025-0030	8710-025-0040
Customer ID:	BH578704DH	BH578708DH	BH578710UC	BH578712CT
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Surrogate Recovery

2-Fluorophenol:	65 %	71 %	78 %	68 %
Phenol-d5:	63 %	70 %	75 %	66 %
2,4,6-Br3-Phenol:	81 %	79 %	85 %	77 %
Nitrobenzene-d5:	68 %	74 %	79 %	70 %
2-Fluorobiphenyl:	69 %	77 %	86 %	73 %
p-Terphenyl-d14:	90 %	89 %	96 %	79 %

Analytes

Phenol	330.00 U	330.00 U	330.00 U	330.00 U
bis(2-Chloroethyl)Ether	330.00 U	330.00 U	330.00 U	330.00 U
2-Chlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
1,3-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
1,4-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Benzyl Alcohol	330.00 U	330.00 U	330.00 U	330.00 U
1,2-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
2-Methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
bis(2-Chloroisopropyl)Ether	330.00 U	330.00 U	330.00 U	330.00 U
4-Methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
N-Nitroso-di-n-propylamine	330.00 U	330.00 U	330.00 U	330.00 U
Hexachloroethane	330.00 U	330.00 U	330.00 U	330.00 U
Nitrobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Isophorone	330.00 U	330.00 U	330.00 U	330.00 U
2-Nitrophenol	330.00 U	330.00 U	330.00 U	330.00 U
2,4-Dimethylphenol	330.00 U	330.00 U	330.00 U	330.00 U
Benzoic Acid	1600.00 U	1600.00 U	1600.00 U	1600.00 U
bis(2-Chloroethoxy)Methane	330.00 U	330.00 U	330.00 U	330.00 U
2,4-Dichlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
1,2,4-Trichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Naphthalene	330.00 U	330.00 U	330.00 U	330.00 U
4-Chloroaniline	330.00 U	330.00 U	330.00 U	330.00 U
Hexachlororbutadiene	330.00 U	330.00 U	330.00 U	330.00 U
4-Chloro-3-methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
2-Methylnaphthalene	330.00 U	330.00 U	330.00 U	330.00 U
Hexachlorocyclopentadiene	330.00 U	330.00 U	330.00 U	330.00 U
2,4,6-Trichlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
2,4,5-Trichlorophenol	1600.00 U	1600.00 U	1600.00 U	1600.00 U
2-Chloronaphthalene	330.00 U	330.00 U	330.00 U	330.00 U
2-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	1600.00 U
Dimethyl Phthalate	330.00 U	330.00 U	330.00 U	330.00 U
Acenaphthylene	330.00 U	330.00 U	330.00 U	330.00 U
3-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	1600.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8710-025-0010	8710-025-0020	8710-025-0030	8710-025-0040
Customer ID:	BH578704DH	BH578708DH	BH578710UC	BH578712CT
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Analytes

Acenaphthene	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dinitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4-Nitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Dibenzofuran	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
2,6-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
Diethylphthalate	330.00	U	330.00	U	330.00	U	330.00	U
4-Chlorophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Fluorene	330.00	U	330.00	U	330.00	U	330.00	U
4-Nitroaniline	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4,6-Dinitro-2-methylphenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
N-Nitrosodiphenylamine	1600.00	U	160.00	J	1600.00	U	45.00	J
4-Bromophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Hexachlorobenzene	330.00	U	330.00	U	330.00	U	330.00	U
Pentachlorophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Phenanthrene	330.00	U	330.00	U	330.00	U	330.00	U
Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
di-n-Butyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Butyl Benzyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
3,3'-Dichlorobenzidine	660.00	U	660.00	U	660.00	U	660.00	U
Benzo(a)Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
bis(2-Ethylhexyl)Phthalate	250.00	JB	480.00	B	300.00	JB	250.00	JB
Chrysene	330.00	U	330.00	U	330.00	U	330.00	U
di-n-Octyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(b)Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(k)Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(a)Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Indeno(1,2,3-cd)Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Dibenz(a,h)Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(g,h,i)Perylene	330.00	U	330.00	U	330.00	U	330.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8710-032-0010	8710-032-0020	8710-032-0030	8710-032-0040
Customer ID:	BH578714BR	BH578716DH	BH578718DH	BH578720DH
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Surrogate Recovery

2-Fluorophenol:	71 %	81 %	86 %	88 %
Phenol-d5:	68 %	73 %	82 %	88 %
2,4,6-Br3-Phenol:	81 %	68 %	90 %	101 %
Nitrobenzene-d5:	69 %	87 %	85 %	96 %
2-Fluorobiphenyl:	76 %	87 %	87 %	93 %
p-Terphenyl-d14:	90 %	93 %	92 %	110 %

Analytes

Phenol	330.00 U	330.00 U	330.00 U	330.00 U
bis(2-Chloroethyl)Ether	330.00 U	330.00 U	330.00 U	330.00 U
2-Chlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
1,3-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
1,4-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Benzyl Alcohol	330.00 U	330.00 U	330.00 U	330.00 U
1,2-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
2-Methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
bis(2-Chloroisopropyl)Ether	330.00 U	330.00 U	330.00 U	330.00 U
4-Methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
N-Nitroso-di-n-propylamine	330.00 U	330.00 U	330.00 U	330.00 U
Hexachloroethane	330.00 U	330.00 U	330.00 U	330.00 U
Nitrobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Isophorone	330.00 U	330.00 U	330.00 U	330.00 U
2-Nitrophenol	330.00 U	330.00 U	330.00 U	330.00 U
2,4-Dimethylphenol	330.00 U	330.00 U	330.00 U	330.00 U
Benzoic Acid	1600.00 U	1600.00 U	1600.00 U	1600.00 U
bis(2-Chloroethoxy)Methane	330.00 U	330.00 U	330.00 U	330.00 U
2,4-Dichlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
1,2,4-Trichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Naphthalene	330.00 U	330.00 U	330.00 U	330.00 U
4-Chloroaniline	330.00 U	330.00 U	330.00 U	330.00 U
Hexachlororbutadiene	330.00 U	330.00 U	330.00 U	330.00 U
4-Chloro-3-methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
2-Methylnaphthalene	330.00 U	330.00 U	330.00 U	330.00 U
Hexachlorocyclopentadiene	330.00 U	330.00 U	330.00 U	330.00 U
2,4,6-Trichlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
2,4,5-Trichlorophenol	1600.00 U	1600.00 U	1600.00 U	1600.00 U
2-Chloronaphthalene	330.00 U	330.00 U	330.00 U	330.00 U
2-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	1600.00 U
Dimethyl Phthalate	330.00 U	330.00 U	330.00 U	330.00 U
Acenaphthylene	330.00 U	330.00 U	330.00 U	330.00 U
3-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	1600.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8710-032-0010	8710-032-0020	8710-032-0030	8710-032-0040
Customer ID:	BH5787148R	BH578716DH	BH578718DH	BH578720DH
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Analytes

Acenaphthene	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dinitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4-Nitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Dibenzofuran	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
2,6-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
Diethylphthalate	330.00	U	330.00	U	330.00	U	330.00	U
4-Chlorophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Fluorene	330.00	U	330.00	U	330.00	U	330.00	U
4-Nitroaniline	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4,6-Dinitro-2-methylphenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
N-Nitrosodiphenylamine	77.00	J	36.00	J	130.00	J	38.00	J
4-Bromophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Hexachlorobenzene	330.00	U	330.00	U	330.00	U	330.00	U
Pentachlorophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Phenanthrene	330.00	U	330.00	U	330.00	U	330.00	U
Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
di-n-Butyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Butyl Benzyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
3,3'-Dichlorobenzidine	660.00	U	660.00	U	660.00	U	660.00	U
Benzo(a)Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
bis(2-Ethylhexyl)Phthalate	460.00	B	590.00	B	540.00	B	510.00	B
Chrysene	330.00	U	330.00	U	330.00	U	330.00	U
di-n-Octyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(b)Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(k)Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(a)Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Indeno(1,2,3-cd)Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Dibenz(a,h)Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(g,h,i)Perylene	330.00	U	330.00	U	330.00	U	330.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8710-032-0050	8710-032-0060	8710-032-0070	8710-032-0080
Customer ID:	BH578722DH	BH578724DH	BH578726DH	BH578728DH
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Surrogate Recovery

2-Fluorophenol:	84 %	76 %	72 %	81 %
Phenol-d5:	72 %	65 %	59 %	69 %
2,4,6-Br3-Phenol:	54 %	51 %	47 %	52 %
Nitrobenzene-d5:	102 %	94 %	87 %	99 %
2-Fluorobiphenyl:	104 %	92 %	87 %	96 %
p-Terphenyl-d14:	115 %	104 %	111 %	105 %

Analytes

Phenol	330.00 U	330.00 U	330.00 U	330.00 U
bis(2-Chloroethyl)Ether	330.00 U	330.00 U	330.00 U	330.00 U
2-Chlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
1,3-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
1,4-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Benzyl Alcohol	330.00 U	330.00 U	330.00 U	330.00 U
1,2-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
2-Methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
bis(2-Chloroisopropyl)Ether	330.00 U	330.00 U	330.00 U	330.00 U
4-Methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
N-Nitroso-di-n-propylamine	330.00 U	330.00 U	330.00 U	330.00 U
Hexachloroethane	330.00 U	330.00 U	330.00 U	330.00 U
Nitrobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Isophorone	330.00 U	330.00 U	330.00 U	330.00 U
2-Nitrophenol	330.00 U	330.00 U	330.00 U	330.00 U
2,4-Dimethylphenol	330.00 U	330.00 U	330.00 U	330.00 U
Benzoic Acid	1600.00 U	1600.00 U	1600.00 U	1600.00 U
bis(2-Chloroethoxy)Methane	330.00 U	330.00 U	330.00 U	330.00 U
2,4-Dichlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
1,2,4-Trichlorobenzene	330.00 U	330.00 U	330.00 U	330.00 U
Naphthalene	330.00 U	330.00 U	330.00 U	330.00 U
4-Chloroaniline	330.00 U	330.00 U	330.00 U	330.00 U
Hexachlororbutadiene	330.00 U	330.00 U	330.00 U	330.00 U
4-Chloro-3-methylphenol	330.00 U	330.00 U	330.00 U	330.00 U
2-Methylnaphthalene	330.00 U	330.00 U	330.00 U	330.00 U
Hexachlorocyclopentadiene	330.00 U	330.00 U	330.00 U	330.00 U
2,4,6-Trichlorophenol	330.00 U	330.00 U	330.00 U	330.00 U
2,4,5-Trichlorophenol	1600.00 U	1600.00 U	1600.00 U	1600.00 U
2-Chloronaphthalene	330.00 U	330.00 U	330.00 U	330.00 U
2-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	1600.00 U
Dimethyl Phthalate	330.00 U	330.00 U	330.00 U	330.00 U
Acenaphthylene	330.00 U	330.00 U	330.00 U	330.00 U
3-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	1600.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8710-032-0050	8710-032-0060	8710-032-0070	8710-032-0080
Customer ID:	BH578722DH	BH578724DH	BH578726DH	BH578728DH
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Analytes

Acenaphthene	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dinitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4-Nitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Dibenzofuran	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
2,6-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
Diethylphthalate	330.00	U	330.00	U	330.00	U	330.00	U
4-Chlorophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Fluorene	330.00	U	330.00	U	330.00	U	330.00	U
4-Nitroaniline	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4,6-Dinitro-2-methylphenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
N-Nitrosodiphenylamine	140.00	J	52.00	J	120.00	J	77.00	J
4-Bromophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Hexachlorobenzene	330.00	U	330.00	U	330.00	U	330.00	U
Pentachlorophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Phenanthrene	330.00	U	330.00	U	330.00	U	330.00	U
Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
di-n-Butyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Butyl Benzyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
3,3'-Dichlorobenzidine	660.00	U	660.00	U	660.00	U	660.00	U
Benzo(a)Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
bis(2-Ethylhexyl)Phthalate	280.00	JB	830.00	B	1000.00	B	150.00	JB
Chrysene	330.00	U	330.00	U	330.00	U	330.00	U
di-n-Octyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(b)Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(k)Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(a)Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Indeno(1,2,3-cd)Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Dibenz(a,h)Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(g,h,i)Perylene	330.00	U	330.00	U	330.00	U	330.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8710-032-0090	8710-032-0100	8710-032-0110	8710-016-0010
Customer ID:	BH588700UC	BH588702CT	BH5887048R	BH598704UC
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Analytes

Acenaphthene	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dinitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4-Nitrophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Dibenzofuran	330.00	U	330.00	U	330.00	U	330.00	U
2,4-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
2,6-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330.00	U
Diethylphthalate	330.00	U	330.00	U	330.00	U	330.00	U
4-Chlorophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Fluorene	330.00	U	330.00	U	330.00	U	330.00	U
4-Nitroaniline	1600.00	U	1600.00	U	1600.00	U	1600.00	U
4,6-Dinitro-2-methylphenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
N-Nitrosodiphenylamine	97.00	J	84.00	J	1600.00	U	66.00	JB
4-Bromophenyl-phenylether	330.00	U	330.00	U	330.00	U	330.00	U
Hexachlorobenzene	330.00	U	330.00	U	330.00	U	330.00	U
Pentachlorophenol	1600.00	U	1600.00	U	1600.00	U	1600.00	U
Phenanthrene	330.00	U	330.00	U	330.00	U	330.00	U
Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
di-n-Butyl Phthalate	330.00	U	60.00	J	650.00		330.00	U
Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Butyl Benzyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
3,3'-Dichlorobenzidine	660.00	U	660.00	U	660.00	U	660.00	U
Benzo(a)Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
bis(2-Ethylhexyl)Phthalate	130.00	JB	85.00	JB	160.00	JB	1300.00	B
Chrysene	330.00	U	330.00	U	330.00	U	330.00	U
di-n-Octyl Phthalate	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(b)Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(k)Fluoranthene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(a)Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Indeno(1,2,3-cd)Pyrene	330.00	U	330.00	U	330.00	U	330.00	U
Dibenz(a,h)Anthracene	330.00	U	330.00	U	330.00	U	330.00	U
Benzo(g,h,i)Perylene	330.00	U	330.00	U	330.00	U	330.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8710-016-0020	8710-016-0030	8710-040-0010	8710-051-004
Customer ID:	BH598707CT	BH598709BR	BH618707DH	BH618709CT
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	33

Surrogate Recovery

2-Fluorophenol:	100 %	58 %	73 %	78 %
Phenol-d5:	94 %	56 %	73 %	70 %
2,4,6-Br3-Phenol:	85 %	55 %	82 %	78 %
Nitrobenzene-d5:	101 %	59 %	78 %	87 %
2-Fluorobiphenyl:	102 %	59 %	75 %	85 %
p-Terphenyl-d14:	107 %	61 %	88 %	130 %

Analytes

Phenol	330.00 U	330.00 U	330.00 U	330 U
bis(2-Chloroethyl)Ether	330.00 U	330.00 U	330.00 U	330 U
2-Chlorophenol	330.00 U	330.00 U	330.00 U	330 U
1,3-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330 U
1,4-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330 U
Benzyl Alcohol	330.00 U	330.00 U	330.00 U	330 U
1,2-Dichlorobenzene	330.00 U	330.00 U	330.00 U	330 U
2-Methylphenol	330.00 U	330.00 U	330.00 U	330 U
bis(2-Chloroisopropyl)Ether	330.00 U	330.00 U	330.00 U	330 U
4-Methylphenol	330.00 U	330.00 U	330.00 U	330 U
N-Nitroso-di-n-propylamine	330.00 U	330.00 U	330.00 U	330 U
Hexachloroethane	330.00 U	330.00 U	330.00 U	330 U
Nitrobenzene	330.00 U	330.00 U	330.00 U	330 U
Isophorone	330.00 U	330.00 U	330.00 U	330 U
2-Nitrophenol	330.00 U	330.00 U	330.00 U	330 U
2,4-Dimethylphenol	330.00 U	330.00 U	330.00 U	330 U
Benzoic Acid	1600.00 U	1600.00 U	1600.00 U	1600 U
bis(2-Chloroethoxy)Methane	330.00 U	330.00 U	330.00 U	330 U
2,4-Dichlorophenol	330.00 U	330.00 U	330.00 U	330 U
1,2,4-Trichlorobenzene	330.00 U	330.00 U	330.00 U	330 U
Naphthalene	330.00 U	330.00 U	330.00 U	330 U
4-Chloroaniline	330.00 U	330.00 U	330.00 U	330 U
Hexachlororbutadiene	330.00 U	330.00 U	330.00 U	330 U
4-Chloro-3-methylphenol	330.00 U	330.00 U	330.00 U	330 U
2-Methylnaphthalene	330.00 U	330.00 U	330.00 U	330 U
Hexachlorocyclopentadiene	330.00 U	330.00 U	330.00 U	330 U
2,4,6-Trichlorophenol	330.00 U	330.00 U	330.00 U	330 U
2,4,5-Trichlorophenol	1600.00 U	1600.00 U	1600.00 U	1600 U
2-Chloronaphthalene	330.00 U	330.00 U	330.00 U	330 U
2-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	1600 U
Dimethyl Phthalate	330.00 U	330.00 U	330.00 U	330 U
Acenaphthylene	330.00 U	330.00 U	330.00 U	330 U
3-Nitroaniline	1600.00 U	1600.00 U	1600.00 U	1600 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8710-016-0020	8710-016-0030	8710-040-0010	8710-051-004
Customer ID:	BH598707CT	BH5987098R	BH618707DH	BH618709CT
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	33

Analytes

Acenaphthene	330.00	U	330.00	U	330.00	U	330	U
2,4-Dinitrophenol	1600.00	U	1600.00	U	1600.00	U	1600	U
4-Nitrophenol	1600.00	U	1600.00	U	1600.00	U	1600	U
Dibenzofuran	330.00	U	330.00	U	330.00	U	330	U
2,4-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330	U
2,6-Dinitrotoluene	330.00	U	330.00	U	330.00	U	330	U
Diethylphthalate	330.00	U	330.00	U	330.00	U	330	U
4-Chlorophenyl-phenylether	330.00	U	330.00	U	330.00	U	330	U
Fluorene	330.00	U	330.00	U	330.00	U	330	U
4-Nitroaniline	1600.00	U	1600.00	U	1600.00	U	1600	U
4,6-Dinitro-2-methylphenol	1600.00	U	1600.00	U	1600.00	U	1600	U
N-Nitrosodiphenylamine	56.00	JB	1600.00	U	1600.00	U	100.00	J
4-Bromophenyl-phenylether	330.00	U	330.00	U	330.00	U	330	U
Hexachlorobenzene	330.00	U	330.00	U	330.00	U	330	U
Pentachlorophenol	1600.00	U	1600.00	U	1600.00	U	1600	U
Phenanthrene	330.00	U	330.00	U	330.00	U	330	U
Anthracene	330.00	U	330.00	U	330.00	U	330	U
di-n-Butyl Phthalate	330.00	U	330.00	U	280.00	J	120.00	J
Fluoranthene	330.00	U	330.00	U	330.00	U	330	U
Pyrene	330.00	U	330.00	U	330.00	U	330	U
Butyl Benzyl Phthalate	330.00	U	330.00	U	330.00	U	330	U
3,3'-Dichlorobenzidine	660.00	U	660.00	U	660.00	U	660	U
Benzo(a)Anthracene	330.00	U	330.00	U	330.00	U	330	U
bis(2-Ethylhexyl)Phthalate	1500.00	B	680.00	B	120.00	JB	240.00	JB
Chrysene	330.00	U	330.00	U	330.00	U	330	U
di-n-Octyl Phthalate	330.00	U	330.00	U	330.00	U	330	U
Benzo(b)Fluoranthene	330.00	U	330.00	U	330.00	U	330	U
Benzo(k)Fluoranthene	330.00	U	330.00	U	330.00	U	330	U
Benzo(a)Pyrene	330.00	U	330.00	U	330.00	U	330	U
Indeno(1,2,3-cd)Pyrene	330.00	U	330.00	U	330.00	U	330	U
Dibenz(a,h)Anthracene	330.00	U	330.00	U	330.00	U	330	U
Benzo(g,h,i)Perylene	330.00	U	330.00	U	330.00	U	330	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8710-051-005	8710-073-003	8710-073-004	8710-073-009
Customer ID:	BH618712BR	BH62870008	BH6287008D	BH628702DH
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	33	33	33	33

Surrogate Recovery

2-Fluorophenol:	78 %	73 %	71 %	72 %
Phenol-d5:	74 %	75 %	71 %	72 %
2,4,6-Br3-Phenol:	78 %	123 %	129 %	108 %
Nitrobenzene-d5:	91 %	71 %	69 %	72 %
2-Fluorobiphenyl:	89 %	88 %	85 %	94 %
p-Terphenyl-d14:	125 %	130 %	130 %	140 %

Analytes

Phenol	330 U	330 U	330 U	330 U
bis(2-Chloroethyl)Ether	330 U	330 U	330 U	330 U
2-Chlorophenol	330 U	330 U	330 U	330 U
1,3-Dichlorobenzene	330 U	330 U	330 U	330 U
1,4-Dichlorobenzene	330 U	330 U	330 U	330 U
Benzyl Alcohol	330 U	330 U	330 U	330 U
1,2-Dichlorobenzene	330 U	330 U	330 U	330 U
2-Methylphenol	330 U	330 U	330 U	330 U
bis(2-Chloroisopropyl)Ether	330 U	330 U	330 U	330 U
4-Methylphenol	330 U	330 U	330 U	330 U
N-Nitroso-di-n-propylamine	330 U	330 U	330 U	330 U
Hexachloroethane	330 U	330 U	330 U	330 U
Nitrobenzene	330 U	330 U	330 U	330 U
Isophorone	330 U	330 U	330 U	330 U
2-Nitrophenol	330 U	330 U	330 U	330 U
2,4-Dimethylphenol	330 U	330 U	330 U	330 U
Benzoic Acid	1600 U	1600 U	1600 U	1600 U
bis(2-Chloroethoxy)Methane	330 U	330 U	330 U	330 U
2,4-Dichlorophenol	330 U	330 U	330 U	330 U
1,2,4-Trichlorobenzene	330 U	330 U	330 U	330 U
Naphthalene	330 U	330 U	330 U	330 U
4-Chloroaniline	330 U	330 U	330 U	330 U
Hexachlororbutadiene	330 U	330 U	330 U	330 U
4-Chloro-3-methylphenol	330 U	330 U	330 U	330 U
2-Methylnaphthalene	330 U	330 U	330 U	330 U
Hexachlorocyclopentadiene	330 U	330 U	330 U	330 U
2,4,6-Trichlorophenol	330 U	330 U	330 U	330 U
2,4,5-Trichlorophenol	1600 U	1600 U	1600 U	1600 U
2-Chloronaphthalene	330 U	330 U	330 U	330 U
2-Nitroaniline	1600 U	1600 U	1600 U	1600 U
Dimethyl Phthalate	330 U	330 U	330 U	330 U
Acenaphthylene	330 U	330 U	330 U	330 U
3-Nitroaniline	1600 U	1600 U	1600 U	1600 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8710-051-005	8710-073-003	8710-073-004	8710-073-009
Customer ID:	BH618712BR	BH62870008	BH6287008D	BH628702DH
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	33	33	33	33

Analytes

Acenaphthene	330	U	330	U	330	U	330	U
2,4-Dinitrophenol	1600	U	1600	U	1600	U	1600	U
4-Nitrophenol	1600	U	1600	U	1600	U	1600	U
Dibenzofuran	330	U	330	U	330	U	330	U
2,4-Dinitrotoluene	330	U	330	U	330	U	330	U
2,6-Dinitrotoluene	330	U	330	U	330	U	330	U
Diethylphthalate	330	U	330	U	330	U	330	U
4-Chlorophenyl-phenylether	330	U	330	U	330	U	330	U
Fluorene	330	U	330	U	330	U	330	U
4-Nitroaniline	1600	U	1600	U	1600	U	1600	U
4,6-Dinitro-2-methylphenol	1600	U	1600	U	1600	U	1600	U
N-Nitrosodiphenylamine	89.00	J	1600	U	64	J	83	J
4-Bromophenyl-phenylether	330	U	330	U	330	U	330	U
Hexachlorobenzene	330	U	330	U	330	U	330	U
Pentachlorophenol	1600	U	1600	U	1600	U	1600	U
Phenanthrene	330	U	330	U	330	U	330	U
Anthracene	330	U	330	U	330	U	330	U
di-n-Butyl Phthalate	48.00	J	43	J	38	J	44	J
Fluoranthene	330	U	330	U	330	U	330	U
Pyrene	330	U	330	U	330	U	330	U
Butyl Benzyl Phthalate	330	U	330	U	330	U	330	U
3,3'-Dichlorobenzidine	660	U	660	U	660	U	660	U
Benzo(a)Anthracene	330	U	330	U	330	U	330	U
bis(2-Ethylhexyl)Phthalate	410.00	B	900		1400		830	
Chrysene	330	U	330	U	330	U	330	U
di-n-Octyl Phthalate	330	U	330	U	330	U	330	U
Benzo(b)Fluoranthene	330	U	330	U	330	U	330	U
Benzo(k)Fluoranthene	330	U	330	U	330	U	330	U
Benzo(a)Pyrene	330	U	330	U	330	U	330	U
Indeno(1,2,3-cd)Pyrene	330	U	330	U	330	U	330	U
Dibenz(a,h)Anthracene	330	U	330	U	330	U	330	U
Benzo(g,h,i)Perylene	330	U	330	U	330	U	330	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8710-073-002	8710-073-001	8710-056-003	8710-056-004
Customer ID:	BH628712CT	BH628714BR	BH63870008	BH638712DH
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	33	33	33	33

Surrogate Recovery

2-Fluorophenol:	71 %	92 %	66 %	92 %
Phenol-d5:	70 %	93 %	63 %	83 %
2,4,6-Br3-Phenol:	118 %	109 %	73 %	94 %
Nitrobenzene-d5:	66 %	88 %	72 %	97 %
2-Fluorobiphenyl:	85 %	85 %	68 %	91 %
p-Terphenyl-d14:	117 %	118 %	93 %	125 %

Analytes

Phenol.....	330 U	330 U	330 U	330 U
bis(2-Chloroethyl)Ether.....	330 U	330 U	330 U	330 U
2-Chlorophenol.....	330 U	330 U	330 U	330 U
1,3-Dichlorobenzene.....	330 U	330 U	330 U	330 U
1,4-Dichlorobenzene.....	330 U	330 U	330 U	330 U
Benzyl Alcohol.....	330 U	330 U	330 U	330 U
1,2-Dichlorobenzene.....	330 U	330 U	330 U	330 U
2-Methylphenol.....	330 U	330 U	330 U	330 U
bis(2-Chloroisopropyl)Ether.....	330 U	330 U	330 U	330 U
4-Methylphenol.....	330 U	330 U	330 U	330 U
N-Nitroso-di-n-propylamine.....	330 U	330 U	330 U	330 U
Hexachloroethane.....	330 U	330 U	330 U	330 U
Nitrobenzene.....	330 U	330 U	330 U	330 U
Isophorone.....	330 U	330 U	330 U	330 U
2-Nitrophenol.....	330 U	330 U	330 U	330 U
2,4-Dimethylphenol.....	330 U	330 U	330 U	330 U
Benzoic Acid.....	1600 U	1600 U	1600 U	1600 U
bis(2-Chloroethoxy)Methane.....	330 U	330 U	330 U	330 U
2,4-Dichlorophenol.....	330 U	330 U	330 U	330 U
1,2,4-Trichlorobenzene.....	330 U	330 U	330 U	330 U
Naphthalene.....	330 U	330 U	330 U	330 U
4-Chloroaniline.....	330 U	330 U	330 U	330 U
Hexachlororbutadiene.....	330 U	330 U	330 U	330 U
4-Chloro-3-methylphenol.....	330 U	330 U	330 U	330 U
2-Methylnaphthalene.....	330 U	330 U	330 U	330 U
Hexachlorocyclopentadiene.....	330 U	330 U	330 U	330 U
2,4,6-Trichlorophenol.....	330 U	330 U	330 U	330 U
2,4,5-Trichlorophenol.....	1600 U	1600 U	1600 U	1600 U
2-Chloronaphthalene.....	330 U	330 U	330 U	330 U
2-Nitroaniline.....	1600 U	1600 U	1600 U	1600 U
Dimethyl Phthalate.....	330 U	330 U	330 U	330 U
Acenaphthylene.....	330 U	330 U	330 U	330 U
3-Nitroaniline.....	1600 U	1600 U	1600 U	1600 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8710-073-002	8710-073-001	8710-056-003	8710-056-004
Customer ID:	BH628712CT	BH6287148R	BH63870008	BH638712DH
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	33	33	33	33

Analytes

Acenaphthene	330	U	330	U	330	U	330	U
2,4-Dinitrophenol	1600	U	1600	U	1600	U	1600	U
4-Nitrophenol	1600	U	1600	U	1600	U	1600	U
Dibenzofuran	330	U	330	U	330	U	330	U
2,4-Dinitrotoluene	330	U	330	U	330	U	330	U
2,6-Dinitrotoluene	330	U	330	U	330	U	330	U
Diethylphthalate	330	U	330	U	330	U	330	U
4-Chlorophenyl-phenylether	330	U	330	U	330	U	330	U
Fluorene	330	U	330	U	330	U	330	U
4-Nitroaniline	1600	U	1600	U	1600	U	1600	U
4,6-Dinitro-2-methylphenol	1600	U	1600	U	1600	U	1600	U
N-Nitrosodiphenylamine	62	J	94	J	43.00	J	78.00	J
4-Bromophenyl-phenylether	330	U	330	U	330	U	330	U
Hexachlorobenzene	330	U	330	U	330	U	330	U
Pentachlorophenol	1600	U	1600	U	1600	U	1600	U
Phenanthrene	330	U	330	U	330	U	330	U
Anthracene	330	U	330	U	330	U	330	U
di-n-Butyl Phthalate	330	U	260	J	330	U	39.00	J
Fluoranthene	330	U	330	U	330	U	330	U
Pyrene	330	U	330	U	330	U	330	U
Butyl Benzyl Phthalate	330	U	330	U	330	U	330	U
3,3'-Dichlorobenzidine	660	U	660	U	660	U	660	U
Benzo(a)Anthracene	330	U	330	U	330	U	330	U
bis(2-Ethylhexyl)Phthalate	910		1300		200.00	JB	300.00	JB
Chrysene	330	U	330	U	330	U	330	U
di-n-Octyl Phthalate	330	U	330	U	330	U	330	U
Benzo(b)Fluoranthene	330	U	330	U	330	U	330	U
Benzo(k)Fluoranthene	330	U	330	U	330	U	330	U
Benzo(a)Pyrene	330	U	330	U	330	U	330	U
Indeno(1,2,3-cd)Pyrene	330	U	330	U	330	U	330	U
Dibenz(a,h)Anthracene	330	U	330	U	330	U	330	U
Benzo(g,h,i)Perylene	330	U	330	U	330	U	330	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8710-063-003	8710-063-004	8710-063-005
Customer ID:	BH638718UC	BH638722CT	BH638724BR
Matrix:	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG
Dilution Factor:	33	33	33

Surrogate Recovery

2-Fluorophenol:	98 %	88 %	88 %
Phenol-d5:	91 %	84 %	84 %
2,4,6-Br3-Phenol:	98 %	83 %	105 %
Nitrobenzene-d5:	107 %	101 %	94 %
2-Fluorobiphenyl:	100 %	98 %	90 %
p-Terphenyl-d14:	127 %	125 %	112 %

Analytes

Phenol	330 U	330 U	330 U
bis(2-Chloroethyl)Ether	330 U	330 U	330 U
2-Chlorophenol	330 U	330 U	330 U
1,3-Dichlorobenzene	330 U	330 U	330 U
1,4-Dichlorobenzene	330 U	330 U	330 U
Benzyl Alcohol	330 U	330 U	330 U
1,2-Dichlorobenzene	330 U	330 U	330 U
2-Methylphenol	330 U	330 U	330 U
bis(2-Chloroisopropyl)Ether	330 U	330 U	330 U
4-Methylphenol	330 U	330 U	330 U
N-Nitroso-di-n-propylamine	330 U	330 U	330 U
Hexachloroethane	330 U	330 U	330 U
Nitrobenzene	330 U	330 U	330 U
Isophorone	330 U	330 U	330 U
2-Nitrophenol	330 U	330 U	330 U
2,4-Dimethylphenol	330 U	330 U	330 U
Benzoic Acid	1600 U	1600 U	1600 U
bis(2-Chloroethoxy)Methane	330 U	330 U	330 U
2,4-Dichlorophenol	330 U	330 U	330 U
1,2,4-Trichlorobenzene	330 U	330 U	330 U
Naphthalene	330 U	330 U	330 U
4-Chloroaniline	330 U	330 U	330 U
Hexachlororbutadiene	330 U	330 U	330 U
4-Chloro-3-methylphenol	330 U	330 U	330 U
2-Methylnaphthalene	330 U	330 U	330 U
Hexachlorocyclopentadiene	330 U	330 U	330 U
2,4,6-Trichlorophenol	330 U	330 U	330 U
2,4,5-Trichlorophenol	1600 U	1600 U	1600 U
2-Chloronaphthalene	330 U	330 U	330 U
2-Nitroaniline	1600 U	1600 U	1600 U
Dimethyl Phthalate	330 U	330 U	330 U
Acenaphthylene	330 U	330 U	330 U
3-Nitroaniline	1600 U	1600 U	1600 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
GC/MS DATA SUMMARY
Semivolatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

Sample Information

RFW Batch ID:	8710-063-003	8710-063-004	8710-063-005
Customer ID:	BH638718UC	BH638722CT	BH6387248R
Matrix:	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG
Dilution Factor:	33	33	33

Analytes

Acenaphthene	330	U	330	U	330	U
2,4-Dinitrophenol	1600	U	1600	U	1600	U
4-Nitrophenol	1600	U	1600	U	1600	U
Dibenzofuran	330	U	330	U	330	U
2,4-Dinitrotoluene	330	U	330	U	330	U
2,6-Dinitrotoluene	330	U	330	U	330	U
Diethylphthalate	330	U	330	U	330	U
4-Chlorophenyl-phenylether	330	U	330	U	330	U
Fluorene	330	U	330	U	330	U
4-Nitroaniline	1600	U	1600	U	1600	U
4,6-Dinitro-2-methylphenol	1600	U	1600	U	1600	U
N-Nitrosodiphenylamine	54.00	JB	40.00		53.00	JB
4-Bromophenyl-phenylether	330	U	330	U	330	U
Hexachlorobenzene	330	U	330	U	330	U
Pentachlorophenol	1600	U	1600	U	1600	U
Phenanthrene	330	U	330	U	330	U
Anthracene	37.00	JB	330	U	330	U
di-n-Butyl Phthalate	330	U	43.00	JB	330	U
Fluoranthene	330	U	330	U	330	U
Pyrene	330	U	330	U	330	U
Butyl Benzyl Phthalate	330	U	330	U	330	U
3,3'-Dichlorobenzidine	660	U	660	U	660	U
Benzo(a)Anthracene	330	U	330	U	330	U
bis(2-Ethylhexyl)Phthalate	1000.00	B	1300.00		1500.00	B
Chrysene	330	U	330	U	330	U
di-n-Octyl Phthalate	330	U	330	U	330	U
Benzo(b)Fluoranthene	330	U	330	U	330	U
Benzo(k)Fluoranthene	330	U	330	U	330	U
Benzo(a)Pyrene	330	U	330	U	330	U
Indeno(1,2,3-cd)Pyrene	330	U	330	U	330	U
Dibenz(a,h)Anthracene	330	U	330	U	330	U
Benzo(g,h,i)Perylene	330	U	330	U	330	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

PESTICIDE/PCBs

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-022-0020	8706-022-0040	8706-022-0060	3122-471-005
Customer ID:	BH018701WT	BH018704WS	BH018710WS	BH02870012
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	160

Surrogate Recovery

Di-n-butylchlorendate:	78 %	80 %	78 %	91 %

Analytes

Alpha-BHC	2.00 U	2.00 U	2.00 U	8 U
Beta-BHC	2.00 U	2.00 U	2.00 U	8 U
Delta-BHC	2.00 U	2.00 U	2.00 U	8 U
Gamma-BHC (Lindane)	2.00 U	2.00 U	2.00 U	8 U
Heptachlor	2.00 U	2.00 U	2.00 U	8 U
Aldrin	2.00 U	2.00 U	2.00 U	8 U
Heptachlor Epoxide	2.00 U	2.00 U	2.00 U	8 U
Endosulfan I	2.00 U	2.00 U	2.00 U	8 U
Dieldrin	4.00 U	4.00 U	4.00 U	16 U
4,4'-DDE	4.00 U	4.00 U	4.00 U	16 U
Endrin	4.00 U	4.00 U	4.00 U	16 U
Endosulfan II	4.00 U	4.00 U	4.00 U	16 U
4,4'-DDD	4.00 U	4.00 U	4.00 U	16 U
Endosulfan Sulfate	4.00 U	4.00 U	4.00 U	16 U
4,4'-DDT	4.00 U	4.00 U	4.00 U	16 U
Methoxychlor	20.00 U	20.00 U	20.00 U	80 U
Endrin Ketone	4.00 U	4.00 U	4.00 U	16 U
Chlordane	20.00 U	20.00 U	20.00 U	80 U
Toxaphene	40.00 U	40.00 U	40.00 U	160 U
Aroclor-1016	20.00 U	20.00 U	20.00 U	80 U
Aroclor-1221	20.00 U	20.00 U	20.00 U	80 U
Aroclor-1232	20.00 U	20.00 U	20.00 U	80 U
Aroclor-1242	20.00 U	20.00 U	20.00 U	80 U
Aroclor-1248	20.00 U	20.00 U	20.00 U	80 U
Aroclor-1254	40.00 U	40.00 U	40.00 U	160 U
Aroclor-1260	40.00 U	40.00 U	40.00 U	160 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	3122-471-001	8705-057-0120	8705-057-0140	3122-471-006
Customer ID:	8H02871214	8H02871420	8H028714CT	8H028718BR
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	160	1.0	1.0	160

Surrogate Recovery

Di-n-butylchlorendate:	94 %	%	%	123 %

Analytes

Alpha-BHC	8 U	2.00 U	2.00 U	8 U
Beta-BHC	8 U	2.00 U	2.00 U	8 U
Delta-BHC	8 U	2.00 U	2.00 U	8 U
Gamma-BHC (Lindane)	8 U	2.00 U	2.00 U	8 U
Heptachlor	8 U	2.00 U	2.00 U	8 U
Aldrin	8 U	2.00 U	2.00 U	8 U
Heptachlor Epoxide	8 U	2.00 U	2.00 U	8 U
Endosulfan I	8 U	2.00 U	2.00 U	8 U
Dieldrin	16 U	4.00 U	4.00 U	16 U
4,4'-DDE	16 U	4.00 U	4.00 U	16 U
Endrin	16 U	4.00 U	4.00 U	16 U
Endosulfan II	16 U	4.00 U	4.00 U	16 U
4,4'-DDD	16 U	4.00 U	4.00 U	16 U
Endosulfan Sulfate	16 U	4.00 U	4.00 U	16 U
4,4'-DDT	16 U	4.00 U	4.00 U	16 U
Methoxychlor	80 U	20.00 U	20.00 U	80 U
Endrin Ketone	16 U	4.00 U	4.00 U	16 U
Chlordane	80 U	20.00 U	20.00 U	80 U
Toxaphene	160 U	40.00 U	40.00 U	160 U
Aroclor-1016	80 U	20.00 U	20.00 U	80 U
Aroclor-1221	80 U	20.00 U	20.00 U	80 U
Aroclor-1232	80 U	20.00 U	20.00 U	80 U
Aroclor-1242	80 U	20.00 U	20.00 U	80 U
Aroclor-1248	80 U	20.00 U	20.00 U	80 U
Aroclor-1254	160 U	40.00 U	40.00 U	160 U
Aroclor-1260	160 U	40.00 U	40.00 U	160 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8705-051-006	8705-051-005	8705-051-003	8705-051-004
Customer ID:	BH03870009	BH038702WT	BH038709CT	BH0387128R
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	0.006	0.006	0.006	0.006

Surrogate Recovery

Di-n-butylchlorendate:	%	%	%	%

Analytes

Alpha-BHC	0.05	U	0.05	U	0.05	U	0.05	U
Beta-BHC	0.05	U	0.05	U	0.05	U	0.05	U
Delta-BHC	0.05	U	0.05	U	0.05	U	0.05	U
Gamma-BHC (Lindane)	0.05	U	0.05	U	0.05	U	0.05	U
Heptachlor	0.05	U	0.05	U	0.05	U	0.05	U
Aldrin	0.05	U	0.05	U	0.05	U	0.05	U
Heptachlor Epoxide	0.05	U	0.05	U	0.05	U	0.05	U
Endosulfan I	0.05	U	0.05	U	0.05	U	0.05	U
Dieldrin	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDE	0.10	U	0.10	U	0.10	U	0.10	U
Endrin	0.10	U	0.10	U	0.10	U	0.10	U
Endosulfan II	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDD	0.10	U	0.10	U	0.10	U	0.10	U
Endosulfan Sulfate	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDT	0.10	U	0.10	U	0.10	U	0.10	U
Methoxychlor	0.5	U	0.5	U	0.5	U	0.5	U
Endrin Ketone	0.10	U	0.10	U	0.10	U	0.10	U
Chlordane	0.5	U	0.5	U	0.5	U	0.5	U
Toxaphene	1	U	1	U	1	U	1	U
Aroclor-1016	0.5	U	0.5	U	0.5	U	0.5	U
Aroclor-1221	0.5	U	0.5	U	0.5	U	0.5	U
Aroclor-1232	0.5	U	0.5	U	0.5	U	0.5	U
Aroclor-1242	0.5	U	0.5	U	0.5	U	0.5	U
Aroclor-1248	0.5	U	0.5	U	0.5	U	0.5	U
Aroclor-1254	1	U	1	U	1	U	1	U
Aroclor-1260	1	U	1	U	1	U	1	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-024-0060	8706-024-0080	8706-024-0040	8706-024-0020
Customer ID:	BH04870610	BH048710WT	BH048715CT	BH0487198R
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Surrogate Recovery

Di-n-butylchlorendate:	82 %	78 %	78 %	79 %

Analytes

Alpha-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Beta-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Delta-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Gamma-BHC (Lindane)	2.00 U	2.00 U	2.00 U	2.00 U
Heptachlor	2.00 U	2.00 U	2.00 U	2.00 U
Aldrin	2.00 U	2.00 U	2.00 U	2.00 U
Heptachlor Epoxide	2.00 U	2.00 U	2.00 U	2.00 U
Endosulfan I	2.00 U	2.00 U	2.00 U	2.00 U
Dieldrin	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDE	4.00 U	4.00 U	4.00 U	4.00 U
Endrin	4.00 U	4.00 U	4.00 U	4.00 U
Endosulfan II	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDD	4.00 U	4.00 U	4.00 U	4.00 U
Endosulfan Sulfate	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDT	4.00 U	4.00 U	4.00 U	4.00 U
Methoxychlor	20.00 U	20.00 U	20.00 U	20.00 U
Endrin Ketone	4.00 U	4.00 U	4.00 U	4.00 U
Chlordane	20.00 U	20.00 U	20.00 U	20.00 U
Toxaphene	40.00 U	40.00 U	40.00 U	40.00 U
Aroclor-1016	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1221	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1232	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1242	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1248	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1254	60	40.00 U	40.00 U	40.00 U
Aroclor-1260	40.00 U	40.00 U	40.00 U	40.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8705-051-012	8705-051-013	8705-051-011	8705-051-007
Customer ID:	8H05870005	8H058705CT	8H058708BR	8H06870010
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	0.006	0.006	0.006	0.006

Surrogate Recovery

Di-n-butylchlorendate:	%	%	%	%

Analytes

Alpha-BHC	0.05	U	0.05	U	0.05	U	0.05	U
Beta-BHC	0.05	U	0.05	U	0.05	U	0.05	U
Delta-BHC	0.05	U	0.05	U	0.05	U	0.05	U
Gamma-BHC (Lindane)	0.05	U	0.05	U	0.05	U	0.05	U
Heptachlor	0.05	U	0.05	U	0.05	U	0.05	U
Aldrin	0.05	U	0.05	U	0.05	U	0.05	U
Heptachlor Epoxide	0.05	U	0.05	U	0.05	U	0.05	U
Endosulfan I	0.05	U	0.05	U	0.05	U	0.05	U
Dieldrin	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDE	0.10	U	0.10	U	0.10	U	0.10	U
Endrin	0.10	U	0.10	U	0.10	U	0.10	U
Endosulfan II	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDD	0.10	U	0.10	U	0.10	U	0.10	U
Endosulfan Sulfate	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDT	0.10	U	0.10	U	0.10	U	0.10	U
Methoxychlor	0.5	U	0.5	U	0.5	U	0.5	U
Endrin Ketone	0.10	U	0.10	U	0.10	U	0.10	U
Chlordane	0.5	U	0.5	U	0.5	U	0.5	U
Toxaphene	1	U	1	U	1	U	1	U
Aroclor-1016	0.5	U	0.5	U	0.5	U	0.5	U
Aroclor-1221	0.5	U	0.5	U	0.5	U	0.5	U
Aroclor-1232	0.5	U	0.5	U	0.5	U	0.5	U
Aroclor-1242	0.5	U	0.5	U	0.5	U	0.5	U
Aroclor-1248	0.5	U	0.5	U	0.5	U	0.5	U
Aroclor-1254	1	U	1	U	1	U	1	U
Aroclor-1260	1	U	1	U	1	U	1	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8705-051-008	8705-051-010	8705-051-009	8705-057-0060
Customer ID:	BH06871020	BH068726CT	BH068730BR	BH07870510
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	0.006	0.006	0.006	1.0

Surrogate Recovery

Di-n-butylchlorendate:	%	%	%	%

Analytes

Alpha-BHC	0.05	U	0.05	U	0.05	U	2.00	U
Beta-BHC	0.05	U	0.05	U	0.05	U	2.00	U
Delta-BHC	0.05	U	0.05	U	0.05	U	2.00	U
Gamma-BHC (Lindane)	0.05	U	0.05	U	0.05	U	2.00	U
Heptachlor	0.05	U	0.05	U	0.05	U	2.00	U
Aldrin	0.05	U	0.05	U	0.05	U	2.00	U
Heptachlor Epoxide	0.05	U	0.05	U	0.05	U	2.00	U
Endosulfan I	0.05	U	0.05	U	0.05	U	2.00	U
Dieldrin	0.10	U	0.10	U	0.10	U	4.00	U
4,4'-DDE	0.10	U	0.10	U	0.10	U	4.00	U
Endrin	0.10	U	0.10	U	0.10	U	4.00	U
Endosulfan II	0.10	U	0.10	U	0.10	U	4.00	U
4,4'-DDD	0.10	U	0.10	U	0.10	U	4.00	U
Endosulfan Sulfate	0.10	U	0.10	U	0.10	U	4.00	U
4,4'-DDT	0.10	U	0.10	U	0.10	U	4.00	U
Methoxychlor	0.5	U	0.5	U	0.5	U	20.00	U
Endrin Ketone	0.10	U	0.10	U	0.10	U	4.00	U
Chlordane	0.5	U	0.5	U	0.5	U	20.00	U
Toxaphene	1	U	1	U	1	U	40.00	U
Aroclor-1016	0.5	U	0.5	U	0.5	U	20.00	U
Aroclor-1221	0.5	U	0.5	U	0.5	U	20.00	U
Aroclor-1232	0.5	U	0.5	U	0.5	U	20.00	U
Aroclor-1242	0.5	U	0.5	U	0.5	U	20.00	U
Aroclor-1248	0.5	U	0.5	U	0.5	U	20.00	U
Aroclor-1254	1	U	1	U	1	U	40.00	U
Aroclor-1260	1	U	1	U	1	U	40.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8705-057-0080	8705-057-0020	8705-057-0090	8705-057-0040
Customer ID:	BH078705CT	BH078708BR	BH07871013	BH078710WS
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Surrogate Recovery

Di-n-butylchlorendate:	%	%	%	%

Analytes

Alpha-BHC	2.00	U	2.00	U	2.00	U	2.00	U
Beta-BHC	2.00	U	2.00	U	2.00	U	2.00	U
Delta-BHC	2.00	U	2.00	U	2.00	U	2.00	U
Gamma-BHC (Lindane)	2.00	U	2.00	U	2.00	U	2.00	U
Heptachlor	2.00	U	2.00	U	2.00	U	2.00	U
Aldrin	2.00	U	2.00	U	2.00	U	2.00	U
Heptachlor Epoxide	2.00	U	2.00	U	2.00	U	2.00	U
Endosulfan I	2.00	U	2.00	U	2.00	U	2.00	U
Dieldrin	4.00	U	4.00	U	4.00	U	4.00	U
4,4'-DDE	4.00	U	4.00	U	4.00	U	4.00	U
Endrin	4.00	U	4.00	U	4.00	U	4.00	U
Endosulfan II	4.00	U	4.00	U	4.00	U	4.00	U
4,4'-DDD	4.00	U	4.00	U	4.00	U	4.00	U
Endosulfan Sulfate	4.00	U	4.00	U	4.00	U	4.00	U
4,4'-DDT	4.00	U	4.00	U	4.00	U	4.00	U
Methoxychlor	20.00	U	20.00	U	20.00	U	20.00	U
Endrin Ketone	4.00	U	4.00	U	4.00	U	4.00	U
Chlordane	20.00	U	20.00	U	20.00	U	20.00	U
Toxaphene	40.00	U	40.00	U	40.00	U	40.00	U
Aroclor-1016	20.00	U	20.00	U	20.00	U	20.00	U
Aroclor-1221	20.00	U	20.00	U	20.00	U	20.00	U
Aroclor-1232	20.00	U	20.00	U	20.00	U	20.00	U
Aroclor-1242	20.00	U	20.00	U	20.00	U	20.00	U
Aroclor-1248	20.00	U	20.00	U	20.00	U	20.00	U
Aroclor-1254	40.00	U	40.00	U	40.00	U	40.00	U
Aroclor-1260	40.00	U	40.00	U	40.00	U	40.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-014-0040	8706-014-0080	8706-014-0160	8706-002-0060
Customer ID:	BH08870007	BH088707CT	BH088710BR	BH09870010
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Surrogate Recovery

Di-n-butylchlorendate:	77 %	76 %	74 %	%

Analytes

Alpha-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Beta-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Delta-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Gamma-BHC (Lindane)	2.00 U	2.00 U	2.00 U	2.00 U
Heptachlor	2.00 U	2.00 U	2.00 U	2.00 U
Aldrin	2.00 U	2.00 U	2.00 U	2.00 U
Heptachlor Epoxide	2.00 U	2.00 U	2.00 U	2.00 U
Endosulfan I	2.00 U	2.00 U	2.00 U	2.00 U
Dieldrin	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDE	4.00 U	4.00 U	4.00 U	4.00 U
Endrin	4.00 U	4.00 U	4.00 U	4.00 U
Endosulfan II	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDD	4.00 U	4.00 U	4.00 U	4.00 U
Endosulfan Sulfate	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDT	4.00 U	4.00 U	4.00 U	4.00 U
Methoxychlor	20.00 U	20.00 U	20.00 U	20.00 U
Endrin Ketone	4.00 U	4.00 U	4.00 U	4.00 U
Chlordane	20.00 U	20.00 U	20.00 U	20.00 U
Toxaphene	40.00 U	40.00 U	40.00 U	40.00 U
Aroclor-1016	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1221	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1232	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1242	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1248	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1254	40.00 U	40.00 U	40.00 U	40.00 U
Aroclor-1260	40.00 U	40.00 U	40.00 U	40.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-002-0040	3122-471-009	8706-002-0020	8706-005-0060
Customer ID:	BH098706WT	BH098711CT	BH0987148R	BH10870010
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	160	1.0	1.0

Surrogate Recovery

Di-n-butylchlorendate:	%	80 %	%	77 %

Analytes

Alpha-BHC	2.00	U	8	U	2.00	U	2.00	U
Beta-BHC	2.00	U	8	U	2.00	U	2.00	U
Delta-BHC	2.00	U	8	U	2.00	U	2.00	U
Gamma-BHC (Lindane)	2.00	U	8	U	2.00	U	2.00	U
Heptachlor	2.00	U	8	U	2.00	U	2.00	U
Aldrin	2.00	U	8	U	2.00	U	2.00	U
Heptachlor Epoxide	2.00	U	8	U	2.00	U	2.00	U
Endosulfan I	2.00	U	8	U	2.00	U	2.00	U
Dieldrin	4.00	U	16	U	4.00	U	4.00	U
4,4'-DDE	4.00	U	16	U	4.00	U	4.00	U
Endrin	4.00	U	16	U	4.00	U	4.00	U
Endosulfan II	4.00	U	16	U	4.00	U	4.00	U
4,4'-DDD	4.00	U	16	U	4.00	U	4.00	U
Endosulfan Sulfate	4.00	U	16	U	4.00	U	4.00	U
4,4'-DDT	4.00	U	16	U	4.00	U	4.00	U
Methoxychlor	20.00	U	80	U	20.00	U	20.00	U
Endrin Ketone	4.00	U	16	U	4.00	U	4.00	U
Chlordane	20.00	U	80	U	20.00	U	20.00	U
Toxaphene	40.00	U	160	U	40.00	U	40.00	U
Aroclor-1016	20.00	U	80	U	20.00	U	20.00	U
Aroclor-1221	20.00	U	80	U	20.00	U	20.00	U
Aroclor-1232	20.00	U	80	U	20.00	U	20.00	U
Aroclor-1242	20.00	U	80	U	20.00	U	20.00	U
Aroclor-1248	20.00	U	80	U	20.00	U	20.00	U
Aroclor-1254	44		160	U	40.00	U	40.00	U
Aroclor-1260	40.00	U	160	U	40.00	U	40.00	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

Sample Information

RFW Batch ID:	8706-005-0040	8706-005-0080	8706-005-0020	8706-010-0060
Customer ID:	BH10871020	BH108720CT	BH1087238R	BH11870010
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Surrogate Recovery

Di-n-butylchlorendate:	75 %	76 %	77 %	72 %

Analytes

Alpha-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Beta-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Delta-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Gamma-BHC (Lindane)	2.00 U	2.00 U	2.00 U	2.00 U
Heptachlor	2.00 U	2.00 U	2.00 U	2.00 U
Aldrin	2.00 U	2.00 U	2.00 U	2.00 U
Heptachlor Epoxide	2.00 U	2.00 U	2.00 U	2.00 U
Endosulfan I	2.00 U	2.00 U	2.00 U	2.00 U
Dieldrin	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDE	4.00 U	4.00 U	4.00 U	4.00 U
Endrin	4.00 U	4.00 U	4.00 U	4.00 U
Endosulfan II	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDD	4.00 U	4.00 U	4.00 U	4.00 U
Endosulfan Sulfate	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDT	4.00 U	4.00 U	4.00 U	4.00 U
Methoxychlor	20.00 U	20.00 U	20.00 U	20.00 U
Endrin Ketone	4.00 U	4.00 U	4.00 U	4.00 U
Chlordane	20.00 U	20.00 U	20.00 U	20.00 U
Toxaphene	40.00 U	40.00 U	40.00 U	40.00 U
Aroclor-1016	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1221	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1232	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1242	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1248	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1254	40.00 U	40.00 U	40.00 U	43
Aroclor-1260	40.00 U	40.00 U	40.00 U	40.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-010-0020	8706-010-0040	8705-059-0020	8705-059-0040
Customer ID:	BH118711CT	BH118714WT	BH128702CT	BH128705BR
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Surrogate Recovery

Di-n-butylchlorendate:	76 %	75 %	%	%

Analytes

Alpha-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Beta-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Delta-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Gamma-BHC (Lindane)	2.00 U	2.00 U	2.00 U	2.00 U
Heptachlor	2.00 U	2.00 U	2.00 U	2.00 U
Aldrin	2.00 U	2.00 U	2.00 U	2.00 U
Heptachlor Epoxide	2.00 U	2.00 U	2.00 U	2.00 U
Endosulfan I	2.00 U	2.00 U	2.00 U	2.00 U
Dieldrin	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDE	4.00 U	4.00 U	4.00 U	4.00 U
Endrin	4.00 U	4.00 U	4.00 U	4.00 U
Endosulfan II	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDD	4.00 U	4.00 U	4.00 U	4.00 U
Endosulfan Sulfate	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDT	4.00 U	4.00 U	4.00 U	4.00 U
Methoxychlor	20.00 U	20.00 U	20.00 U	20.00 U
Endrin Ketone	4.00 U	4.00 U	4.00 U	4.00 U
Chlordane	20.00 U	20.00 U	20.00 U	20.00 U
Toxaphene	40.00 U	40.00 U	40.00 U	40.00 U
Aroclor-1016	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1221	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1232	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1242	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1248	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1254	40.00 U	40.00 U	70	40.00 U
Aroclor-1260	40.00 U	40.00 U	40.00 U	40.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-004-0020	8706-004-0020	3122-471-004	8706-004-0040
Customer ID:	BH13870010	BH13870010	BH138711CT	BH138714BR
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	160	1.0

Surrogate Recovery

Di-n-butylchlorendate:	%	%	71 %	%

Analytes

Alpha-BHC	2.00 U	2.00 U	8 U	2.00 U
Beta-BHC	2.00 U	2.00 U	8 U	2.00 U
Delta-BHC	2.00 U	2.00 U	8 U	2.00 U
Gamma-BHC (Lindane)	2.00 U	2.00 U	8 U	2.00 U
Heptachlor	2.00 U	2.00 U	8 U	2.00 U
Aldrin	2.00 U	2.00 U	8 U	2.00 U
Heptachlor Epoxide	2.00 U	2.00 U	8 U	2.00 U
Endosulfan I	2.00 U	2.00 U	8 U	2.00 U
Dieldrin	4.00 U	4.00 U	16 U	4.00 U
4,4'-DDE	4.00 U	4.00 U	16 U	4.00 U
Endrin	4.00 U	4.00 U	16 U	4.00 U
Endosulfan II	4.00 U	4.00 U	16 U	4.00 U
4,4'-DDD	4.00 U	4.00 U	16 U	4.00 U
Endosulfan Sulfate	4.00 U	4.00 U	16 U	4.00 U
4,4'-DDT	4.00 U	4.00 U	16 U	4.00 U
Methoxychlor	20.00 U	20.00 U	80 U	20.00 U
Endrin Ketone	4.00 U	4.00 U	16 U	4.00 U
Chlordane	20.00 U	20.00 U	80 U	20.00 U
Toxaphene	40.00 U	40.00 U	160 U	40.00 U
Aroclor-1016	20.00 U	20.00 U	80 U	20.00 U
Aroclor-1221	20.00 U	20.00 U	80 U	20.00 U
Aroclor-1232	20.00 U	20.00 U	80 U	20.00 U
Aroclor-1242	20.00 U	20.00 U	80 U	20.00 U
Aroclor-1248	20.00 U	20.00 U	80 U	20.00 U
Aroclor-1254	40.00 U	40.00 U	160 U	40.00 U
Aroclor-1260	40.00 U	40.00 U	160 U	40.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	3122-471-007	3122-471-002	3122-471-003	3122-471-008
Customer ID:	BH148703W1	BH148703W2	BH148706CT	BH148709BR
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	160	160	160	160

Surrogate Recovery

Di-n-butylchlorendate:	68 %	75 %	71 %	71 %

Analytes

Alpha-BHC	8 U	8 U	8 U	8 U
Beta-BHC	8 U	8 U	8 U	8 U
Delta-BHC	8 U	8 U	8 U	8 U
Gamma-BHC (Lindane)	8 U	8 U	8 U	8 U
Heptachlor	8 U	8 U	8 U	8 U
Aldrin	8 U	8 U	8 U	8 U
Heptachlor Epoxide	8 U	8 U	8 U	8 U
Endosulfan I	8 U	8 U	8 U	8 U
Dieldrin	16 U	16 U	16 U	16 U
4,4'-DDE	16 U	16 U	16 U	16 U
Endrin	16 U	16 U	16 U	16 U
Endosulfan II	16 U	16 U	16 U	16 U
4,4'-DDD	16 U	16 U	16 U	16 U
Endosulfan Sulfate	16 U	16 U	16 U	16 U
4,4'-DDT	16 U	16 U	16 U	16 U
Methoxychlor	80 U	80 U	80 U	80 U
Endrin Ketone	16 U	16 U	16 U	16 U
Chlordane	80 U	80 U	80 U	80 U
Toxaphene	160 U	160 U	160 U	160 U
Aroclor-1016	80 U	80 U	80 U	80 U
Aroclor-1221	80 U	80 U	80 U	80 U
Aroclor-1232	80 U	80 U	80 U	80 U
Aroclor-1242	80 U	80 U	80 U	80 U
Aroclor-1248	80 U	80 U	80 U	80 U
Aroclor-1254	160 U	160 U	160 U	160 U
Aroclor-1260	160 U	160 U	160 U	160 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

Sample Information

RFW Batch ID:	8706-014-0140	8706-014-0180	8706-014-0120	8706-010-0120
Customer ID:	BH15870005	BH15870510	BH1587268R	BH16870206
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Surrogate Recovery

Di-n-butylchlorendate:	101 %	76 %	74 %	76 %

Analytes

Alpha-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Beta-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Delta-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Gamma-BHC (Lindane)	2.00 U	2.00 U	2.00 U	2.00 U
Heptachlor	2.00 U	2.00 U	2.00 U	2.00 U
Aldrin	2.00 U	2.00 U	2.00 U	2.00 U
Heptachlor Epoxide	2.00 U	2.00 U	2.00 U	2.00 U
Endosulfan I	2.00 U	2.00 U	2.00 U	2.00 U
Dieldrin	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDE	4.00 U	4.00 U	4.00 U	4.00 U
Endrin	4.00 U	4.00 U	4.00 U	4.00 U
Endosulfan II	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDD	4.00 U	4.00 U	4.00 U	4.00 U
Endosulfan Sulfate	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDT	4.00 U	4.00 U	4.00 U	4.00 U
Methoxychlor	20.00 U	20.00 U	20.00 U	20.00 U
Endrin Ketone	4.00 U	4.00 U	4.00 U	4.00 U
Chlordane	20.00 U	20.00 U	20.00 U	20.00 U
Toxaphene	40.00 U	40.00 U	40.00 U	40.00 U
Aroclor-1016	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1221	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1232	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1242	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1248	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1254	40.00 U	40.00 U	40.00 U	40.00 U
Aroclor-1260	40.00 U	40.00 U	40.00 U	40.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-010-0100	8706-010-0080	8706-014-0100	8706-014-0060
Customer ID:	BH168702CT	BH168706BR	BH17870005	BH178705CT
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Surrogate Recovery

Di-n-butylchlorendate:	74 %	75 %	80 %	79 %

Analytes

Alpha-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Beta-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Delta-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Gamma-BHC (Lindane)	2.00 U	2.00 U	2.00 U	2.00 U
Heptachlor	2.00 U	2.00 U	2.00 U	2.00 U
Aldrin	2.00 U	2.00 U	2.00 U	2.00 U
Heptachlor Epoxide	2.00 U	2.00 U	2.00 U	2.00 U
Endosulfan I	2.00 U	2.00 U	2.00 U	2.00 U
Dieldrin	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDE	4.00 U	4.00 U	4.00 U	4.00 U
Endrin	4.00 U	4.00 U	4.00 U	4.00 U
Endosulfan II	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDD	4.00 U	4.00 U	4.00 U	4.00 U
Endosulfan Sulfate	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDT	4.00 U	4.00 U	4.00 U	4.00 U
Methoxychlor	20.00 U	20.00 U	20.00 U	20.00 U
Endrin Ketone	4.00 U	4.00 U	4.00 U	4.00 U
Chlordane	20.00 U	20.00 U	20.00 U	20.00 U
Toxaphene	40.00 U	40.00 U	40.00 U	40.00 U
Aroclor-1016	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1221	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1232	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1242	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1248	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1254	40.00 U	40.00 U	40.00 U	40.00 U
Aroclor-1260	40.00 U	40.00 U	40.00 U	40.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-014-0020	8710-032-0120	8710-025-0010	8710-025-0020
Customer ID:	BH178708BR	BH5787028D	BH578704DH	BH578708DH
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Surrogate Recovery

Di-n-butylchlorendate:	77 %	98 %	106 %	104 %

Analytes

Alpha-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Beta-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Delta-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Gamma-BHC (Lindane)	2.00 U	2.00 U	2.00 U	2.00 U
Heptachlor	2.00 U	2.00 U	2.00 U	2.00 U
Aldrin	2.00 U	2.00 U	2.00 U	2.00 U
Heptachlor Epoxide	2.00 U	2.00 U	2.00 U	2.00 U
Endosulfan I	2.00 U	2.00 U	2.00 U	2.00 U
Dieldrin	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDE	4.00 U	4.00 U	4.00 U	4.00 U
Endrin	4.00 U	4.00 U	4.00 U	4.00 U
Endosulfan II	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDD	4.00 U	4.00 U	4.00 U	4.00 U
Endosulfan Sulfate	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDT	4.00 U	4.00 U	4.00 U	4.00 U
Methoxychlor	20.00 U	20.00 U	20.00 U	20.00 U
Endrin Ketone	4.00 U	4.00 U	4.00 U	4.00 U
Chlordane	20.00 U	20.00 U	20.00 U	20.00 U
Toxaphene	40.00 U	40.00 U	40.00 U	40.00 U
Aroclor-1016	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1221	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1232	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1242	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1248	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1254	40.00 U	40.00 U	40.00 U	40.00 U
Aroclor-1260	40.00 U	40.00 U	40.00 U	40.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8710-025-0030	8710-025-0040	8710-032-0010	8710-032-0020
Customer ID:	8H578710UC	8H578712CT	8H578714BR	8H578716DH
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Surrogate Recovery

Di-n-butylchlorendate:	104 %	102 %	100 %	100 %

Analytes

Alpha-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Beta-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Delta-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Gamma-BHC (Lindane)	2.00 U	2.00 U	2.00 U	2.00 U
Heptachlor	2.00 U	2.00 U	2.00 U	2.00 U
Aldrin	2.00 U	2.00 U	2.00 U	2.00 U
Heptachlor Epoxide	2.00 U	2.00 U	2.00 U	2.00 U
Endosulfan I	2.00 U	2.00 U	2.00 U	2.00 U
Dieldrin	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDE	4.00 U	4.00 U	4.00 U	4.00 U
Endrin	4.00 U	4.00 U	4.00 U	4.00 U
Endosulfan II	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDD	4.00 U	4.00 U	4.00 U	4.00 U
Endosulfan Sulfate	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDT	4.00 U	4.00 U	4.00 U	4.00 U
Methoxychlor	20.00 U	20.00 U	20.00 U	20.00 U
Endrin Ketone	4.00 U	4.00 U	4.00 U	4.00 U
Chlordane	20.00 U	20.00 U	20.00 U	20.00 U
Toxaphene	40.00 U	40.00 U	40.00 U	40.00 U
Aroclor-1016	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1221	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1232	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1242	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1248	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1254	40.00 U	40.00 U	40.00 U	40.00 U
Aroclor-1260	40.00 U	40.00 U	40.00 U	40.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8710-032-0030	8710-032-0040	8710-032-0050	8710-032-0060
Customer ID:	BH578718DH	BH578720DH	BH578722DH	BH578724DH
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Surrogate Recovery

Di-n-butylchlorendate:	95 %	102 %	96 %	99 %

Analytes

Alpha-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Beta-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Delta-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Gamma-BHC (Lindane)	2.00 U	2.00 U	2.00 U	2.00 U
Heptachlor	2.00 U	2.00 U	2.00 U	2.00 U
Aldrin	2.00 U	2.00 U	2.00 U	2.00 U
Heptachlor Epoxide	2.00 U	2.00 U	2.00 U	2.00 U
Endosulfan I	2.00 U	2.00 U	2.00 U	2.00 U
Dieldrin	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDE	4.00 U	4.00 U	4.00 U	4.00 U
Endrin	4.00 U	4.00 U	4.00 U	4.00 U
Endosulfan II	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDD	4.00 U	4.00 U	4.00 U	4.00 U
Endosulfan Sulfate	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDT	4.00 U	4.00 U	4.00 U	4.00 U
Methoxychlor	20.00 U	20.00 U	20.00 U	20.00 U
Endrin Ketone	4.00 U	4.00 U	4.00 U	4.00 U
Chlordane	20.00 U	20.00 U	20.00 U	20.00 U
Toxaphene	40.00 U	40.00 U	40.00 U	40.00 U
Aroclor-1016	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1221	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1232	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1242	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1248	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1254	40.00 U	40.00 U	40.00 U	40.00 U
Aroclor-1260	40.00 U	40.00 U	40.00 U	40.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

Sample Information

RFW Batch ID:	8710-032-0070	8710-032-0090	8710-032-0100	8710-032-0110
Customer ID:	8H578726DH	8H588700UC	8H588702CT	8H5887048R
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	1.0

Surrogate Recovery

Di-n-butylchlorendate:	101 %	96 %	96 %	120 %

Analytes

Alpha-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Beta-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Delta-BHC	2.00 U	2.00 U	2.00 U	2.00 U
Gamma-BHC (Lindane)	2.00 U	2.00 U	2.00 U	2.00 U
Heptachlor	2.00 U	2.00 U	2.00 U	2.00 U
Aldrin	2.00 U	2.00 U	2.00 U	2.00 U
Heptachlor Epoxide	2.00 U	2.00 U	2.00 U	2.00 U
Endosulfan I	2.00 U	2.00 U	2.00 U	2.00 U
Dieldrin	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDE	4.00 U	4.00 U	4.00 U	4.00 U
Endrin	4.00 U	4.00 U	4.00 U	4.00 U
Endosulfan II	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDD	4.00 U	4.00 U	4.00 U	4.00 U
Endosulfan Sulfate	4.00 U	4.00 U	4.00 U	4.00 U
4,4'-DDT	4.00 U	4.00 U	4.00 U	4.00 U
Methoxychlor	20.00 U	20.00 U	20.00 U	20.00 U
Endrin Ketone	4.00 U	4.00 U	4.00 U	4.00 U
Chlordane	20.00 U	20.00 U	20.00 U	20.00 U
Toxaphene	40.00 U	40.00 U	40.00 U	40.00 U
Aroclor-1016	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1221	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1232	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1242	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1248	20.00 U	20.00 U	20.00 U	20.00 U
Aroclor-1254	40.00 U	40.00 U	40.00 U	40.00 U
Aroclor-1260	40.00 U	40.00 U	40.00 U	40.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8710-016-0010	8710-016-0020	8710-016-0030	8710-040-001
Customer ID:	BH598704UC	BH598707CT	BH5987098R	BH618707DH
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	1.0	1.0	1.0	0.25

Surrogate Recovery

Di-n-butylchlorendate:	105 %	108 %	109 %	95 %

Analytes

Alpha-BHC	2.00 U	2.00 U	2.00 U	2 U
Beta-BHC	2.00 U	2.00 U	2.00 U	2 U
Delta-BHC	2.00 U	2.00 U	2.00 U	2 U
Gamma-BHC (Lindane)	2.00 U	2.00 U	2.00 U	2 U
Heptachlor	2.00 U	2.00 U	2.00 U	2 U
Aldrin	2.00 U	2.00 U	2.00 U	2 U
Heptachlor Epoxide	2.00 U	2.00 U	2.00 U	2 U
Endosulfan I	2.00 U	2.00 U	2.00 U	2 U
Dieldrin	4.00 U	4.00 U	4.00 U	4 U
4,4'-DDE	4.00 U	4.00 U	4.00 U	4 U
Endrin	4.00 U	4.00 U	4.00 U	4 U
Endosulfan II	4.00 U	4.00 U	4.00 U	4 U
4,4'-DDD	4.00 U	4.00 U	4.00 U	4 U
Endosulfan Sulfate	4.00 U	4.00 U	4.00 U	4 U
4,4'-DDT	4.00 U	4.00 U	4.00 U	4 U
Methoxychlor	20.00 U	20.00 U	20.00 U	20 U
Endrin Ketone	4.00 U	4.00 U	4.00 U	4 U
Chlordane	20.00 U	20.00 U	20.00 U	20 U
Toxaphene	40.00 U	40.00 U	40.00 U	40 U
Aroclor-1016	20.00 U	20.00 U	20.00 U	20 U
Aroclor-1221	20.00 U	20.00 U	20.00 U	20 U
Aroclor-1232	20.00 U	20.00 U	20.00 U	20 U
Aroclor-1242	20.00 U	20.00 U	20.00 U	20 U
Aroclor-1248	20.00 U	20.00 U	20.00 U	20 U
Aroclor-1254	40.00 U	40.00 U	40.00 U	40 U
Aroclor-1260	40.00 U	40.00 U	40.00 U	40 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

Sample Information

RFW Batch ID:	8710-051-001	8710-051-002	8710-073-002	8710-073-005
Customer ID:	BH618709CT	BH6187128R	BH6287008D	BH628702DH
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	0.25	.25	0.25	0.25

Surrogate Recovery

Di-n-butylchlorendate:	102 %	88 %	73 %	71 %

Analytes

Alpha-BHC	2 U	2 U	2 U	2 U
Beta-BHC	2 U	2 U	2 U	2 U
Delta-BHC	2 U	2 U	2 U	2 U
Gamma-BHC (Lindane)	2 U	2 U	2 U	2 U
Heptachlor	2 U	2 U	2 U	2 U
Aldrin	2 U	2 U	2 U	2 U
Heptachlor Epoxide	2 U	2 U	2 U	2 U
Endosulfan I	2 U	2 U	2 U	2 U
Dieldrin	4 U	4 U	4 U	4 U
4,4'-DDE	4 U	4 U	4 U	4 U
Endrin	4 U	4 U	4 U	4 U
Endosulfan II	4 U	4 U	4 U	4 U
4,4'-DDD	4 U	4 U	4 U	4 U
Endosulfan Sulfate	4 U	4 U	4 U	4 U
4,4'-DDT	4 U	4 U	4 U	4 U
Methoxychlor	20 U	20 U	20 U	20 U
Endrin Ketone	4 U	4 U	4 U	4 U
Chlordane	20 U	20 U	20 U	20 U
Toxaphene	40 U	40 U	40 U	40 U
Aroclor-1016	20 U	20 U	20 U	20 U
Aroclor-1221	20 U	20 U	20 U	20 U
Aroclor-1232	20 U	20 U	20 U	20 U
Aroclor-1242	20 U	20 U	20 U	20 U
Aroclor-1248	20 U	20 U	20 U	20 U
Aroclor-1254	40 U	40 U	40 U	40 U
Aroclor-1260	40 U	40 U	40 U	40 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

Sample Information

RFW Batch ID:	8710-073-003	8710-073-004	8710-056-001	8710-056-002
Customer ID:	BH628712CT	BH6287148R	BH63870008	BH638712DH
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG
Dilution Factor:	0.25	0.25	.25	0.25

Surrogate Recovery

Di-n-butylchlorendate:	71 %	71 %	84 %	87 %

Analytes

Alpha-BHC	2 U	2 U	2 U	2 U
Beta-BHC	2 U	2 U	2 U	2 U
Delta-BHC	2 U	2 U	2 U	2 U
Gamma-BHC (Lindane)	2 U	2 U	2 U	2 U
Heptachlor	2 U	2 U	2 U	2 U
Aldrin	2 U	2 U	2 U	2 U
Heptachlor Epoxide	2 U	2 U	2 U	2 U
Endosulfan I	2 U	2 U	2 U	2 U
Dieldrin	4 U	4 U	4 U	4 U
4,4'-DDE	4 U	4 U	4 U	4 U
Endrin	4 U	4 U	4 U	4 U
Endosulfan II	4 U	4 U	4 U	4 U
4,4'-DDD	4 U	4 U	4 U	4 U
Endosulfan Sulfate	4 U	4 U	4 U	4 U
4,4'-DDT	4 U	4 U	4 U	4 U
Methoxychlor	20 U	20 U	20 U	20 U
Endrin Ketone	4 U	4 U	4 U	4 U
Chlordane	20 U	20 U	20 U	20 U
Toxaphene	40 U	40 U	40 U	40 U
Aroclor-1016	20 U	20 U	20 U	20 U
Aroclor-1221	20 U	20 U	20 U	20 U
Aroclor-1232	20 U	20 U	20 U	20 U
Aroclor-1242	20 U	20 U	20 U	20 U
Aroclor-1248	20 U	20 U	20 U	20 U
Aroclor-1254	40 U	40 U	40 U	40 U
Aroclor-1260	40 U	40 U	40 U	40 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

881 HILLSIDE BOREHOLE SAMPLES
PESTICIDES/PCB
CLP LIST

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8710-063-001	8710-063-002	8710-063-003
Customer ID:	BH638718UC	BH638722CT	BH638724BR
Matrix:	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG
Dilution Factor:	.25	0.25	0.25

Surrogate Recovery

Di-n-butylchlorendate:	76 %	76 %	73 %

Analytes

Alpha-BHC	2 U	2 U	2 U
Beta-BHC	2 U	2 U	2 U
Delta-BHC	2 U	2 U	2 U
Gamma-BHC (Lindane)	2 U	2 U	2 U
Heptachlor	2 U	2 U	2 U
Aldrin	2 U	2 U	2 U
Heptachlor Epoxide	2 U	2 U	2 U
Endosulfan I	2 U	2 U	2 U
Dieldrin	4 U	4 U	4 U
4,4'-DDE	4 U	4 U	4 U
Endrin	4 U	4 U	4 U
Endosulfan II	4 U	4 U	4 U
4,4'-DDD	4 U	4 U	4 U
Endosulfan Sulfate	4 U	4 U	4 U
4,4'-DDT	4 U	4 U	4 U
Methoxychlor	20 U	20 U	20 U
Endrin Ketone	4 U	4 U	4 U
Chlordane	20 U	20 U	20 U
Toxaphene	40 U	40 U	40 U
Aroclor-1016	20 U	20 U	20 U
Aroclor-1221	20 U	20 U	20 U
Aroclor-1232	20 U	20 U	20 U
Aroclor-1242	20 U	20 U	20 U
Aroclor-1248	20 U	20 U	20 U
Aroclor-1254	40 U	40 U	40 U
Aroclor-1260	40 U	40 U	40 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
8706-022-0020	BH018701WT	02
8706-022-0040	BH018704WS	04
8706-022-0060	BH018710WS	06
3122-471-005	BH02870012	
3122-471-001	BH02871214	
8705-057-0120	BH02871420	12
8705-057-0140	BH028714CT	14
3122-471-006	BH028718BR	
8705-051-006	BH03870009	
8705-051-005	BH038702WT	
8705-051-003	BH038709CT	
8705-051-004	BH038712BR	
8706-024-0060	BH04870610	06
8706-024-0080	BH048710WT	08
8706-024-0040	BH048715CT	04
8706-024-0020	BH048719BR	02
8705-051-012	BH05870005	
8705-051-013	BH058705CT	
8705-051-011	BH058708BR	
8705-051-007	BH06870010	
8705-051-008	BH06871020	
8705-051-010	BH068726CT	
8705-051-009	BH068730BR	
8705-057-0060	BH07870510	06
8705-057-0080	BH078705CT	08
8705-057-0020	BH078708BR	02
8705-057-0090	BH07871013	09
8705-057-0040	BH078710WS	04
8706-014-0040	BH08870007	04
8706-014-0080	BH088707CT	08
8706-014-0160	BH088710BR	16
8706-002-0060	BH09870010	06
8706-002-0040	BH098706WT	04
3122-471-009	BH098711CT	
8706-002-0020	BH098714BR	02
8706-005-0060	BH10870010	06
8706-005-0040	BH10871020	04
8706-005-0080	BH108720CT	08
8706-005-0020	BH108723BR	02
8706-010-0060	BH11870010	06
8706-010-0020	BH118711CT	02
8706-010-0040	BH118714WT	04
8705-059-0020	BH128702CT	02
8705-059-0040	BH128705BR	04
8706-004-0020	BH13870010	02
8706-004-0020	BH13870010	02
3122-471-004	BH138711CT	
8706-004-0040	BH138714BR	04
3122-471-007	BH148703W1	
3122-471-002	BH148703W2	
3122-471-003	BH148706CT	
3122-471-008	BH148709BR	

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
8706-014-0140	BH15870005	14
8706-014-0180	BH15870510	18
8706-014-0120	BH158726BR	12
8706-010-0120	BH16870206	12
8706-010-0100	BH168702CT	10
8706-010-0080	BH168706BR	08
8706-014-0100	BH17870005	10
8706-014-0060	BH178705CT	06
8706-014-0020	BH178708BR	02
8710-032-0120	BH5787028D	12
8710-025-0010	BH578704DH	01
8710-025-0020	BH578708DH	02
8710-025-0030	BH578710UC	03
8710-025-0040	BH578712CT	04
8710-032-0010	BH578714BR	01
8710-032-0020	BH578716DH	02
8710-032-0030	BH578718DH	03
8710-032-0040	BH578720DH	04
8710-032-0050	BH578722DH	05
8710-032-0060	BH578724DH	06
8710-032-0070	BH578726DH	07
8710-032-0090	BH588700UC	09
8710-032-0100	BH588702CT	10
8710-032-0110	BH588704BR	11
8710-016-0010	BH598704UC	01
8710-016-0020	BH598707CT	02
8710-016-0030	BH598709BR	03
8710-040-001	BH618707DH	01
8710-051-001	BH618709CT	01
8710-051-002	BH618712BR	04
8710-073-002	BH6287008D	04
8710-073-005	BH628702DH	09
8710-073-003	BH628712CT	02
8710-073-004	BH628714BR	01
8710-056-001	BH63870008	02
8710-056-002	BH638712DH	01
8710-063-001	BH638718UC	01
8710-063-002	BH638722CT	02
8710-063-003	BH638724BR	03

RADIONUCLIDES

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
1000-000-001	BH018701WT	24465-3
1000-000-002	BH018704WS	24465-1
1000-000-003	BH018710WS	24465-2
1000-000-004	BH02870012	24413-5
1000-000-005	BH02871214	24413-6
1000-000-006	BH02871420	24413-4
1000-000-007	BH028718BR	24413-3
1000-000-008	BH03870009	24378-1
1000-000-009	BH038702WT	24378-3
1000-000-010	BH038709CT	24378-2
1000-000-011	BH038712BR	24378-4
1000-000-012	BH04870610	24478-3
1000-000-013	BH048710WT	24478-4
1000-000-014	BH048715CT	24478-2
1000-000-015	BH048719BR	24478-1
1000-000-016	BH05870005	24378-5
1000-000-017	BH058705CT	24378-7
1000-000-018	BH058708BR	24378-6
1000-000-019	BH06870010	24378-9
1000-000-020	BH06871020	24378-11
1000-000-021	BH068726CT	24378-10
1000-000-022	BH068730BR	24378-8
1000-000-023	BH078708BR	24413-2
1000-000-024	BH07871013	24413-1
1000-000-025	BH08870007	24455-7
1000-000-026	BH088707CT	24455-8
1000-000-027	BH088710BR	24455-4
1000-000-028	BH09870010	24432-5
1000-000-029	BH098706WT	24432-4
1000-000-030	BH098711CT	24432-7
1000-000-031	BH098714BR	24432-6
1000-000-032	BH10870010	24433-2
1000-000-033	BH10871020	24433-3
1000-000-034	BH108720CT	24433-4
1000-000-035	BH108723BR	24433-1
1000-000-036	BH11870010	24444-5
1000-000-037	BH118711CT	24444-4
1000-000-038	BH118714WT	24444-2
1000-000-039	BH128702CT	24425-6-2
1000-000-040	BH128705BR	24425-6-1
1000-000-041	BH13870010	24432-3
1000-000-042	BH138711CT	24432-2
1000-000-043	BH138714BR	24432-1
1000-000-044	BH148703W1	24425-6-3
1000-000-046	BH148703W2	24425-6-4
1000-000-045	BH148706CT	24425-6-6
1000-000-047	BH148709BR	24425-6-5
1000-000-048	BH15870005	24455-3
1000-000-049	BH15870510	24455-5
1000-000-050	BH158726BR	24455-2
1000-000-051	BH16870206	24444-6
1000-000-052	BH168702CT	24444-1

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
1000-000-053	BH168706BR	24444-3
1000-000-054	BH17870005	24455-1
1000-000-055	BH178705CT	24455-6
1000-000-056	BH178708BR	24455-9
1000-000-526	BH578704DH	25502-4-1
1000-000-527	BH578708DH	25502-4-2
1000-000-528	BH578710UC	25502-4-3
1000-000-529	BH578712CT	25502-4-4
1000-000-426	BH578714BR	25527-11-1
1000-000-427	BH578716DH	25527-11-2
1000-000-428	BH578718DH	25527-11-3
1000-000-429	BH578720DH	25527-11-4
1000-000-430	BH578722DH	25527
1000-000-431	BH578724DH	25527-11-6
1000-000-432	BH578726DH	25527-11-7
1000-000-433	BH578728DH	25527-11-8
1000-000-434	BH588700UC	25527-11-9
1000-000-435	BH588702CT	25527-11-10
1000-000-436	BH588704BR	25527-11-11
1000-000-441	BH598704UC	25481-3-1
1000-000-442	BH598707CT	25481-3-2
1000-000-443	BH598709BR	25481-3-3
1000-000-530	BH618707DH	25547-1-1
1000-000-531	BH618709CT	25570-2-1
1000-000-532	BH618712BR	25570-2-2
1000-000-447	BH62870008	25628-5-4
1000-000-448	BH6287008D	25628-5-5
1000-000-446	BH628712CT	25628-5-3
1000-000-445	BH628714BR	25628-5-2
1000-000-534	BH63870008	25588-2-2
1000-000-533	BH638712DH	25588-2-1
1000-000-535	BH638718UC	25593-3-1
1000-000-536	BH638722CT	25593-3-2
1000-000-537	BH638724BR	25593-3-3

881 HILLSIDE BOREHOLE SAMPLES
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-001		1000-000-002		1000-000-003	
Customer ID:	BH018701WT		BH018704WS		BH018710WS	
Matrix:	Soil		Soil		Soil	
Radio Chemistry						
Gross Alpha	24 +/- 10	pci/g	22 +/- 10	pci/g	17 +/- 9	pci/g
Gross Beta	24 +/- 6	pci/g	19 +/- 6	pci/g	23 +/- 6	pci/g
Uranium 233, 234	0.42 +/- 0.13	pci/g	0.87 +/- 0.23	pci/g	0.87 +/- 0.18	pci/g
Uranium 235	NR		NR		NR	
Uranium 238	0.35 +/- 0.12	pci/g	0.58 +/- 0.19	pci/g	1.1 +/- 0.2	pci/g
Strontium 89, 90	0.1 +/- 0.6	pci/g	0.4 +/- 0.7	pci/g	-0.1 +/- 0.6	pci/g
Plutonium 239, 240	0.06 +/- 0.11	pci/g	-0.03 +/- 0.07	pci/g	0.03 +/- 0.08	pci/g
Americium 241	0.03 +/- 0.06	pci/g	0.00 +/- 0.04	pci/g	0.04 +/- 0.06	pci/g
Cesium 137	1.3 +/- 1.0	pci/g	0.7 +/- 1.0	pci/g	0.3 +/- 0.8	pci/g
Tritium	0.60 +/- 0.22	pci/ml	0.50 +/- 0.22	pci/ml	0.13 +/- 0.21	pci/ml

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-004		1000-000-005		1000-000-006	
Customer ID:	BH02870012		BH02871214		BH02871420	
Matrix:	Soil		Soil		Soil	
Radio Chemistry						
Gross Alpha	30 +/- 13	pci/g	46 +/- 16	pci/g	34 +/- 14	pci/g
Gross Beta	30 +/- 6	pci/g	27 +/- 6	pci/g	28 +/- 6	pci/g
Uranium 233, 234	0.83 +/- 0.19	pci/g	0.67 +/- 0.21	pci/g	1.1 +/- 0.3	pci/g
Uranium 235	NR		NR		NR	
Uranium 238	0.77 +/- 0.24	pci/g	0.64 +/- 0.26	pci/g	0.84 +/- 0.31	pci/g
Strontium 89, 90	-0.2 +/- 0.6	pci/g	0.2 +/- 0.5	pci/g	0.7 +/- 0.8	pci/g
Plutonium 239, 240	-0.10 +/- 0.15	pci/g	0.01 +/- 0.06	pci/g	0.10 +/- 0.18	pci/g
Americium 241	-0.01 +/- 0.06	pci/g	0.07 +/- 0.09	pci/g	0.03 +/- 0.07	pci/g
Cesium 137	0.1 +/- 0.7	pci/g	-0.2 +/- 0.7	pci/g	0.2 +/- 0.9	pci/g
Tritium	0.15 +/- 0.22	pci/ml	0.34 +/- 0.22	pci/ml	0.08 +/- 0.22	pci/ml

881 HILLSIDE BOREHOLE SAMPLES
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-007	1000-000-008	1000-000-009
Customer ID:	BH0287188R	BH03870009	BH038702WT
Matrix:	Soil	Soil	Soil

Radio Chemistry

Gross Alpha	35 +/- 14	pci/g	45 +/- 16	pci/g	40 +/- 16	pci/g
Gross Beta	28 +/- 6	pci/g	34 +/- 6	pci/g	41 +/- 6	pci/g
Uranium 233, 234	0.94 +/- 0.21	pci/g	0.81 +/- 0.18	pci/g	0.95 +/- 0.19	pci/g
Uranium 235	NR		NR		NR	
Uranium 238	0.66 +/- 0.24	pci/g	0.56 +/- 0.23	pci/g	1.1 +/- 0.2	pci/g
Strontium 89, 90	0.6 +/- 1.0	pci/g	0.9 +/- 0.8	pci/g	-0.3 +/- 0.7	pci/g
Plutonium 239, 240	0.03 +/- 0.09	pci/g	-0.09 +/- 0.15	pci/g	-0.09 +/- 0.14	pci/g
Americium 241	0.02 +/- 0.06	pci/g	-0.01 +/- 0.06	pci/g	0.04 +/- 0.09	pci/g
Cesium 137	-0.4 +/- 0.6	pci/g	0.0 +/- 0.7	pci/g	0.1 +/- 0.7	pci/g
Tritium	0.00 +/- 0.22	pci/ml	0.29 +/- 0.20	pci/ml	0.35 +/- 0.20	pci/ml

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-010	1000-000-011	1000-000-012
Customer ID:	BH038709CT	BH0387128R	BH04870610
Matrix:	Soil	Soil	Soil

Radio Chemistry

Gross Alpha	17 +/- 13	pci/g	36 +/- 15	pci/g	18 +/- 9	pci/g
Gross Beta	25 +/- 6	pci/g	29 +/- 6	pci/g	26 +/- 6	pci/g
Uranium 233, 234	0.68 +/- 0.19	pci/g	1.1 +/- 0.3	pci/g	0.66 +/- 0.15	pci/g
Uranium 235	NR		NR		NR	
Uranium 238	0.72 +/- 0.26	pci/g	1.0 +/- 0.3	pci/g	0.60 +/- 0.14	pci/g
Strontium 89, 90	0.4 +/- 0.6	pci/g	0.3 +/- 0.6	pci/g	0.2 +/- 0.5	pci/g
Plutonium 239, 240	-0.03 +/- 0.16	pci/g	-0.04 +/- 0.16	pci/g	0.05 +/- 0.10	pci/g
Americium 241	-0.01 +/- 0.06	pci/g	0.00 +/- 0.13	pci/g	0.10 +/- 0.07	pci/g
Cesium 137	0.3 +/- 0.8	pci/g	0.5 +/- 0.8	pci/g	0.6 +/- 0.7	pci/g
Tritium	0.13 +/- 0.20	pci/ml	0.41 +/- 0.20	pci/ml	0.22 +/- 0.21	pci/ml

881 HILLSIDE BOREHOLE SAMPLES
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-013	1000-000-014	1000-000-015
Customer ID:	BH048710WT	BH048715CT	BH048719BR
Matrix:	Soil	Soil	Soil

Radio Chemistry

Gross Alpha	28 +/- 10	pci/g	19 +/- 9	pci/g	20 +/- 10	pci/g
Gross Beta	22 +/- 6	pci/g	20 +/- 6	pci/g	19 +/- 6	pci/g
Uranium 233, 234	0.50 +/- 0.14	pci/g	0.55 +/- 0.14	pci/g	0.89 +/- 0.22	pci/g
Uranium 235	NR		NR		NR	
Uranium 238	0.51 +/- 0.14	pci/g	0.62 +/- 0.15	pci/g	1.0 +/- 0.2	pci/g
Strontium 89, 90	-0.1 +/- 0.6	pci/g	0.2 +/- 0.8	pci/g	-0.3 +/- 1.0	pci/g
Plutonium 239, 240	-0.04 +/- 0.08	pci/g	0.07 +/- 0.12	pci/g	0.03 +/- 0.09	pci/g
Americium 241	0.05 +/- 0.07	pci/g	0.02 +/- 0.06	pci/g	-0.03 +/- 0.08	pci/g
Cesium 137	2.3 +/- 0.9	pci/g	1.0 +/- 0.8	pci/g	0.3 +/- 0.9	pci/g
Tritium	0.18 +/- 0.21	pci/ml	0.08 +/- 0.21	pci/ml	0.08 +/- 0.21	pci/ml

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-016	1000-000-017	1000-000-018
Customer ID:	BH05870005	BH058705CT	BH058708BR
Matrix:	Soil	Soil	Soil

Radio Chemistry

Gross Alpha	27 +/- 14	pci/g	22 +/- 13	pci/g	35 +/- 15	pci/g
Gross Beta	25 +/- 6	pci/g	28 +/- 6	pci/g	20 +/- 6	pci/g
Uranium 233, 234	1.7 +/- 0.4	pci/g	0.90 +/- 0.25	pci/g	1.2 +/- 0.4	pci/g
Uranium 235	NR		NR		NR	
Uranium 238	1.9 +/- 0.5	pci/g	0.68 +/- 0.28	pci/g	0.85 +/- 0.38	pci/g
Strontium 89, 90	0.2 +/- 0.9	pci/g	0.7 +/- 0.6	pci/g	0.3 +/- 0.6	pci/g
Plutonium 239, 240	-0.06 +/- 0.15	pci/g	0.04 +/- 0.07	pci/g	0.02 +/- 0.17	pci/g
Americium 241	0.01 +/- 0.07	pci/g	0.03 +/- 0.07	pci/g	0.04 +/- 0.09	pci/g
Cesium 137	0.3 +/- 0.7	pci/g	0.3 +/- 0.6	pci/g	0.4 +/- 0.7	pci/g
Tritium	0.32 +/- 0.20	pci/ml	0.18 +/- 0.20	pci/ml	0.26 +/- 0.20	pci/ml

881 HILLSIDE BOREHOLE SAMPLES
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-019	1000-000-020	1000-000-021
Customer ID:	BH06870010	BH06871020	BH068726CT
Matrix:	Soil	Soil	Soil

Radio Chemistry

Gross Alpha	30 +/- 14	pci/g	22 +/- 13	pci/g	18 +/- 12	pci/g
Gross Beta	33 +/- 6	pci/g	38 +/- 6	pci/g	35 +/- 6	pci/g
Uranium 233, 234	1.0 +/- 0.2	pci/g	1.1 +/- 0.3	pci/g	0.55 +/- 0.18	pci/g
Uranium 235	NR		NR		NR	
Uranium 238	0.86 +/- 0.28	pci/g	0.63 +/- 0.27	pci/g	1.0 +/- 0.3	pci/g
Strontium 89, 90	-0.2 +/- 0.8	pci/g	1.3 +/- 1.1	pci/g	0.7 +/- 0.7	pci/g
Plutonium 239, 240	-0.04 +/- 0.16	pci/g	-0.06 +/- 0.15	pci/g	-0.01 +/- 0.19	pci/g
Americium 241	0.02 +/- 0.07	pci/g	-0.06 +/- 0.08	pci/g	-0.03 +/- 0.05	pci/g
Cesium 137	0.6 +/- 0.7	pci/g	0.4 +/- 0.7	pci/g	0.5 +/- 0.6	pci/g
Tritium	0.12 +/- 0.20	pci/ml	0.09 +/- 0.20	pci/ml	0.23 +/- 0.20	pci/ml

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-022	1000-000-023	1000-000-024
Customer ID:	BH068730BR	BH078708BR	BH07871013
Matrix:	Soil	Soil	Soil

Radio Chemistry

Gross Alpha	14 +/- 11	pci/g	28 +/- 13	pci/g	35 +/- 14	pci/g
Gross Beta	30 +/- 6	pci/g	32 +/- 6	pci/g	18 +/- 5	pci/g
Uranium 233, 234	0.96 +/- 0.35	pci/g	0.56 +/- 0.22	pci/g	0.77 +/- 0.41	pci/g
Uranium 235	NR		NR		NR	
Uranium 238	1.4 +/- 0.5	pci/g	0.49 +/- 0.28	pci/g	0.62 +/- 0.44	pci/g
Strontium 89, 90	0.0 +/- 0.8	pci/g	0.6 +/- 0.8	pci/g	1.2 +/- 1.3	pci/g
Plutonium 239, 240	0.01 +/- 0.15	pci/g	-0.12 +/- 0.14	pci/g	-0.08 +/- 0.15	pci/g
Americium 241	0.01 +/- 0.07	pci/g	0.07 +/- 0.10	pci/g	-0.01 +/- 0.06	pci/g
Cesium 137	0.4 +/- 0.6	pci/g	0.5 +/- 0.8	pci/g	2.6 +/- 0.9	pci/g
Tritium	0.11 +/- 0.20	pci/ml	0.46 +/- 0.23	pci/ml	0.01 +/- 0.22	pci/ml

881 HILLSIDE BOREHOLE SAMPLES
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-025	1000-000-026	1000-000-027
Customer ID:	BH08870007	BH088707CT	BH088710BR
Matrix:	Soil	Soil	Soil

Radio Chemistry

Gross Alpha	17 +/- 9	pci/g	26 +/- 10	pci/g	32 +/- 11	pci/g
Gross Beta	21 +/- 6	pci/g	20 +/- 6	pci/g	30 +/- 7	pci/g
Uranium 233, 234	0.43 +/- 0.14	pci/g	0.68 +/- 0.17	pci/g	1.3 +/- 0.3	pci/g
Uranium 235	NR		NR		NR	
Uranium 238	0.36 +/- 0.12	pci/g	0.79 +/- 0.18	pci/g	1.3 +/- 0.3	pci/g
Strontium 89, 90	-0.1 +/- 0.6	pci/g	0.2 +/- 0.4	pci/g	-0.4 +/- 0.8	pci/g
Plutonium 239, 240	0.08 +/- 0.09	pci/g	0.02 +/- 0.08	pci/g	-0.01 +/- 0.08	pci/g
Americium 241	0.06 +/- 0.06	pci/g	0.00 +/- 0.04	pci/g	0.00 +/- 0.07	pci/g
Cesium 137	1.1 +/- 0.8	pci/g	0.3 +/- 0.8	pci/g	0.4 +/- 0.7	pci/g
Tritium	0.09 +/- 0.21	pci/ml	0.14 +/- 0.21	pci/ml	0.12 +/- 0.21	pci/ml

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-028	1000-000-029	1000-000-030
Customer ID:	BH09870010	BH098706WT	BH098711CT
Matrix:	Soil	Soil	Soil

Radio Chemistry

Gross Alpha	23 +/- 10	pci/g	15 +/- 9	pci/g	15 +/- 9	pci/g
Gross Beta	21 +/- 6	pci/g	30 +/- 6	pci/g	20 +/- 6	pci/g
Uranium 233, 234	0.64 +/- 0.15	pci/g	0.91 +/- 0.17	pci/g	0.83 +/- 0.20	pci/g
Uranium 235	NR		NR		NR	
Uranium 238	0.63 +/- 0.16	pci/g	0.77 +/- 0.17	pci/g	0.82 +/- 0.21	pci/g
Strontium 89, 90	0.2 +/- 1.0	pci/g	0.1 +/- 0.5	pci/g	-0.1 +/- 1.0	pci/g
Plutonium 239, 240	-0.08 +/- 0.10	pci/g	-0.08 +/- 0.10	pci/g	-0.04 +/- 0.14	pci/g
Americium 241	0.03 +/- 0.08	pci/g	-0.03 +/- 0.08	pci/g	-0.05 +/- 0.06	pci/g
Cesium 137	0.0 +/- 0.8	pci/g	0.0 +/- 0.8	pci/g	-0.3 +/- 0.8	pci/g
Tritium	0.04 +/- 0.21	pci/ml	0.07 +/- 0.21	pci/ml	0.30 +/- 0.21	pci/ml

881 HILLSIDE BOREHOLE SAMPLES
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-031		1000-000-032		1000-000-033	
Customer ID:	BH098714BR		BH10870010		BH10871020	
Matrix:	Soil		Soil		Soil	
Radio Chemistry						
Gross Alpha	23 +/- 10	pci/g	20 +/- 10	pci/g	18 +/- 10	pci/g
Gross Beta	28 +/- 6	pci/g	21 +/- 6	pci/g	28 +/- 6	pci/g
Uranium 233, 234	0.71 +/- 0.17	pci/g	0.73 +/- 0.14	pci/g	0.99 +/- 0.34	pci/g
Uranium 235	NR		NR		NR	
Uranium 238	0.72 +/- 0.18	pci/g	0.62 +/- 0.14	pci/g	0.79 +/- 0.32	pci/g
Strontium 89, 90	0.8 +/- 1.2	pci/g	-0.1 +/- 0.7	pci/g	0.0 +/- 0.8	pci/g
Plutonium 239, 240	-0.04 +/- 0.12	pci/g	-0.06 +/- 0.11	pci/g	-0.09 +/- 0.10	pci/g
Americium 241	0.03 +/- 0.09	pci/g	-0.03 +/- 0.11	pci/g	0.01 +/- 0.08	pci/g
Cesium 137	0.1 +/- 0.8	pci/g	0.2 +/- 0.8	pci/g	0.4 +/- 0.7	pci/g
Tritium	0.08 +/- 0.21	pci/ml	0.25 +/- 0.21	pci/ml	0.12 +/- 0.21	pci/ml

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-034		1000-000-035		1000-000-036	
Customer ID:	BH108720CT		BH108723BR		BH11870010	
Matrix:	Soil		Soil		Soil	
Radio Chemistry						
Gross Alpha	17 +/- 10	pci/g	29 +/- 11	pci/g	22 +/- 10	pci/g
Gross Beta	21 +/- 6	pci/g	33 +/- 6	pci/g	27 +/- 6	pci/g
Uranium 233, 234	0.81 +/- 0.19	pci/g	0.86 +/- 0.19	pci/g	1.2 +/- 0.2	pci/g
Uranium 235	NR		NR		NR	
Uranium 238	0.68 +/- 0.18	pci/g	0.76 +/- 0.19	pci/g	0.78 +/- 0.18	pci/g
Strontium 89, 90	-0.2 +/- 0.6	pci/g	0.1 +/- 0.6	pci/g	0.3 +/- 0.5	pci/g
Plutonium 239, 240	-0.05 +/- 0.11	pci/g	-0.06 +/- 0.11	pci/g	-0.02 +/- 0.11	pci/g
Americium 241	0.04 +/- 0.09	pci/g	0.03 +/- 0.08	pci/g	0.09 +/- 0.10	pci/g
Cesium 137	0.9 +/- 0.9	pci/g	0.1 +/- 0.6	pci/g	0.1 +/- 0.7	pci/g
Tritium	-0.08 +/- 0.20	pci/ml	0.08 +/- 0.21	pci/ml	0.12 +/- 0.21	pci/ml

881 HILLSIDE BOREHOLE SAMPLES
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-037	1000-000-038	1000-000-039
Customer ID:	BH118711CT	BH118714WT	BH128702CT
Matrix:	Soil	Soil	Soil

Radio Chemistry

Gross Alpha.....	18 +/- 10	pci/g	17 +/- 9	pci/g	32 +/- 13	pci/g
Gross Beta.....	28 +/- 6	pci/g	32 +/- 6	pci/g	27 +/- 6	pci/g
Uranium 233, 234.....	0.44 +/- 0.11	pci/g	1.2 +/- 0.2	pci/g	0.98 +/- 0.18	pci/g
Uranium 235.....	NR		NR		NR	
Uranium 238.....	0.51 +/- 0.14	pci/g	1.0 +/- 0.2	pci/g	0.89 +/- 0.18	pci/g
Strontium 89, 90.....	0.6 +/- 1.1	pci/g	0.7 +/- 0.8	pci/g	-0.2 +/- 0.7	pci/g
Plutonium 239, 240.....	-0.02 +/- 0.11	pci/g	-0.08 +/- 0.11	pci/g	0.12 +/- 0.14	pci/g
Americium 241.....	0.06 +/- 0.11	pci/g	0.06 +/- 0.12	pci/g	0.15 +/- 0.13	pci/g
Cesium 137.....	-0.2 +/- 0.8	pci/g	-0.1 +/- 0.9	pci/g	0.8 +/- 0.9	pci/g
Tritium.....	0.12 +/- 0.21	pci/ml	-0.04 +/- 0.20	pci/ml	0.17 +/- 0.22	pci/ml

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-040	1000-000-041	1000-000-042
Customer ID:	BH128705BR	BH13870010	BH138711CT
Matrix:	Soil	Soil	Soil

Radio Chemistry

Gross Alpha.....	31 +/- 13	pci/g	18 +/- 10	pci/g	17 +/- 10	pci/g
Gross Beta.....	21 +/- 6	pci/g	27 +/- 6	pci/g	17 +/- 6	pci/g
Uranium 233, 234.....	0.96 +/- 0.18	pci/g	0.58 +/- 0.13	pci/g	0.67 +/- 0.17	pci/g
Uranium 235.....	NR		NR		NR	
Uranium 238.....	0.85 +/- 0.18	pci/g	0.60 +/- 0.14	pci/g	0.87 +/- 0.20	pci/g
Strontium 89, 90.....	0.1 +/- 0.7	pci/g	1.9 +/- 1.5	pci/g	1.2 +/- 1.2	pci/g
Plutonium 239, 240.....	0.03 +/- 0.13	pci/g	0.04 +/- 0.12	pci/g	0.00 +/- 0.12	pci/g
Americium 241.....	-0.01 +/- 0.07	pci/g	0.03 +/- 0.08	pci/g	0.03 +/- 0.08	pci/g
Cesium 137.....	1.7 +/- 0.9	pci/g	0.1 +/- 0.8	pci/g	-0.2 +/- 0.8	pci/g
Tritium.....	0.14 +/- 0.22	pci/ml	0.00 +/- 0.20	pci/ml	0.08 +/- 0.21	pci/ml

881 HILLSIDE BOREHOLE SAMPLES
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-043		1000-000-044		1000-000-046	
Customer ID:	BH1387148R		BH148703W1		BH148703W2	
Matrix:	Soil		Soil		Soil	

Radio Chemistry

Gross Alpha.....	34 +/- 11	pci/g	28 +/- 13	pci/g	22 +/- 12	pci/g
Gross Beta.....	26 +/- 6	pci/g	25 +/- 6	pci/g	29 +/- 6	pci/g
Uranium 233, 234.....	1.4 +/- 0.2	pci/g	0.69 +/- 0.20	pci/g	1.1 +/- 0.2	pci/g
Uranium 235.....	NR		NR		NR	
Uranium 238.....	1.2 +/- 0.2	pci/g	0.67 +/- 0.18	pci/g	0.96 +/- 0.21	pci/g
Strontium 89, 90.....	1.1 +/- 1.3	pci/g	-0.2 +/- 0.7	pci/g	-0.2 +/- 0.7	pci/g
Plutonium 239, 240.....	-0.04 +/- 0.11	pci/g	-0.03 +/- 0.12	pci/g	-0.09 +/- 0.10	pci/g
Americium 241.....	0.03 +/- 0.08	pci/g	0.10 +/- 0.11	pci/g	-0.01 +/- 0.08	pci/g
Cesium 137.....	-0.2 +/- 0.7	pci/g	0.6 +/- 1.0	pci/g	0.1 +/- 0.9	pci/g
Tritium.....	-0.11 +/- 0.20	pci/ml	-0.07 +/- 0.22	pci/ml	0.01 +/- 0.22	pci/ml

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-045		1000-000-047		1000-000-048	
Customer ID:	BH148706CT		BH148709BR		BH15870005	
Matrix:	Soil		Soil		Soil	

Radio Chemistry

Gross Alpha.....	31 +/- 13	pci/g	30 +/- 13	pci/g	25 +/- 10	pci/g
Gross Beta.....	30 +/- 6	pci/g	26 +/- 6	pci/g	22 +/- 6	pci/g
Uranium 233, 234.....	1.2 +/- 0.2	pci/g	0.52 +/- 0.12	pci/g	0.75 +/- 0.17	pci/g
Uranium 235.....	NR		NR		NR	
Uranium 238.....	0.80 +/- 0.16	pci/g	0.36 +/- 0.12	pci/g	0.71 +/- 0.16	pci/g
Strontium 89, 90.....	-0.3 +/- 0.6	pci/g	-0.4 +/- 0.7	pci/g	0.0 +/- 0.6	pci/g
Plutonium 239, 240.....	0.06 +/- 0.07	pci/g	-0.01 +/- 0.13	pci/g	0.09 +/- 0.13	pci/g
Americium 241.....	0.02 +/- 0.08	pci/g	0.01 +/- 0.08	pci/g	0.10 +/- 0.12	pci/g
Cesium 137.....	0.1 +/- 0.9	pci/g	0.4 +/- 1.6	pci/g	0.1 +/- 0.8	pci/g
Tritium.....	-0.01 +/- 0.22	pci/ml	0.11 +/- 0.22	pci/ml	0.34 +/- 0.21	pci/ml

881 HILLSIDE BOREHOLE SAMPLES
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-049		1000-000-050		1000-000-051	
Customer ID:	BH15870510		BH158726BR		BH16870206	
Matrix:	Soil		Soil		Soil	

Radio Chemistry

Gross Alpha.....	21 +/- 10	pci/g	19 +/- 9	pci/g	19 +/- 10	pci/g
Gross Beta.....	17 +/- 6	pci/g	19 +/- 6	pci/g	22 +/- 6	pci/g
Uranium 233, 234.....	0.86 +/- 0.20	pci/g	1.4 +/- 0.3	pci/g	0.97 +/- 0.24	pci/g
Uranium 235.....	NR		NR		NR	
Uranium 238.....	0.89 +/- 0.20	pci/g	0.83 +/- 0.23	pci/g	1.1 +/- 0.3	pci/g
Strontium 89, 90.....	-0.2 +/- 0.6	pci/g	-0.2 +/- 0.6	pci/g	0.4 +/- 0.7	pci/g
Plutonium 239, 240.....	-0.02 +/- 0.04	pci/g	0.07 +/- 0.14	pci/g	-0.02 +/- 0.11	pci/g
Americium 241.....	-0.02 +/- 0.03	pci/g	0.02 +/- 0.05	pci/g	-0.03 +/- 0.08	pci/g
Cesium 137.....	0.7 +/- 0.7	pci/g	0.3 +/- 0.7	pci/g	-0.3 +/- 0.8	pci/g
Tritium.....	0.12 +/- 0.21	pci/ml	0.01 +/- 0.21	pci/ml	0.13 +/- 0.21	pci/ml

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-052		1000-000-053		1000-000-054	
Customer ID:	BH168702CT		BH168706BR		BH17870005	
Matrix:	Soil		Soil		Soil	

Radio Chemistry

Gross Alpha.....	17 +/- 9	pci/g	21 +/- 10	pci/g	25 +/- 10	pci/g
Gross Beta.....	34 +/- 6	pci/g	30 +/- 6	pci/g	21 +/- 6	pci/g
Uranium 233, 234.....	0.58 +/- 0.15	pci/g	1.1 +/- 0.3	pci/g	0.86 +/- 0.30	pci/g
Uranium 235.....	NR		NR		NR	
Uranium 238.....	0.56 +/- 0.16	pci/g	0.81 +/- 0.26	pci/g	0.97 +/- 0.33	pci/g
Strontium 89, 90.....	0.9 +/- 0.8	pci/g	0.9 +/- 1.1	pci/g	0.2 +/- 0.6	pci/g
Plutonium 239, 240.....	0.91 +/- 0.38	pci/g	-0.04 +/- 0.11	pci/g	0.38 +/- 0.14	pci/g
Americium 241.....	0.02 +/- 0.08	pci/g	0.01 +/- 0.08	pci/g	0.06 +/- 0.07	pci/g
Cesium 137.....	-0.2 +/- 0.6	pci/g	-0.5 +/- 0.8	pci/g	0.9 +/- 0.4	pci/g
Tritium.....	-0.07 +/- 0.20	pci/ml	-0.11 +/- 0.20	pci/ml	0.26 +/- 0.21	pci/ml

881 HILLSIDE BOREHOLE SAMPLES
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-055		1000-000-056		1000-000-526	
Customer ID:	BH178705CT		BH178708BR		BH578704DH	
Matrix:	Soil		Soil		Soil	
Radio Chemistry						
Gross Alpha	26 +/- 10	pci/g	16 +/- 9	pci/g	26 +/- 11	pci/g
Gross Beta	24 +/- 6	pci/g	16 +/- 6	pci/g	31 +/- 6	pci/g
Uranium 233, 234	1.2 +/- 0.2	pci/g	1.5 +/- 0.4	pci/g	1.1 +/- 0.2	pci/g
Uranium 235	NR		NR		NR	
Uranium 238	0.83 +/- 0.20	pci/g	1.1 +/- 0.3	pci/g	1.1 +/- 0.2	pci/g
Strontium 89, 90	0.3 +/- 0.6	pci/g	0.0 +/- 0.6	pci/g	0.0 +/- 0.5	pci/g
Plutonium 239, 240	0.04 +/- 0.09	pci/g	-0.03 +/- 0.08	pci/g	-0.01 +/- 0.26	pci/g
Americium 241	0.01 +/- 0.04	pci/g	0.02 +/- 0.05	pci/g	0.01 +/- 0.09	pci/g
Cesium 137	0.9 +/- 0.7	pci/g	0.2 +/- 0.8	pci/g	0.0 +/- 0.1	pci/g
Tritium	0.11 +/- 0.21	pci/ml	-0.16 +/- 0.20	pci/ml	0.22 +/- 0.20	pci/ml

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-527		1000-000-528		1000-000-529	
Customer ID:	BH578708DH		BH578710UC		BH578712CT	
Matrix:	Soil		Soil		Soil	
Radio Chemistry						
Gross Alpha	27 +/- 11	pci/g	25 +/- 11	pci/g	27 +/- 11	pci/g
Gross Beta	31 +/- 6	pci/g	27 +/- 6	pci/g	21 +/- 6	pci/g
Uranium 233, 234	0.63 +/- 0.16	pci/g	0.48 +/- 0.14	pci/g	0.72 +/- 0.15	pci/g
Uranium 235	NR		NR		NR	
Uranium 238	0.82 +/- 0.18	pci/g	0.54 +/- 0.15	pci/g	0.81 +/- 0.16	pci/g
Strontium 89, 90	-0.2 +/- 0.5	pci/g	-0.2 +/- 0.5	pci/g	-0.1 +/- 0.5	pci/g
Plutonium 239, 240	0.02 +/- 0.10	pci/g	0.09 +/- 0.15	pci/g	-0.10 +/- 0.24	pci/g
Americium 241	-0.03 +/- 0.08	pci/g	-0.01 +/- 0.08	pci/g	-0.02 +/- 0.08	pci/g
Cesium 137	0.0 +/- 0.1	pci/g	0.0 +/- 0.1	pci/g	0.0 +/- 0.1	pci/g
Tritium	0.03 +/- 0.20	pci/ml	0.10 +/- 0.20	pci/ml	0.01 +/- 0.19	pci/ml

881 HILLSIDE BOREHOLE SAMPLES
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-426	1000-000-427	1000-000-428
Customer ID:	BH578714BR	BH578716DH	BH578718DH
Matrix:	Soil	Soil	Soil

Radio Chemistry

Gross Alpha	30 +/- 11	pci/g	35 +/- 12	pci/g	36 +/- 12	pci/g
Gross Beta	24 +/- 6	pci/g	35 +/- 7	pci/g	24 +/- 6	pci/g
Uranium 233, 234	1.6 +/- 0.2	pci/g	0.95 +/- 0.16	pci/g	0.80 +/- 0.16	pci/g
Uranium 235	NR		NR		NR	
Uranium 238	1.3 +/- 0.2	pci/g	1.4 +/- 0.2	pci/g	0.93 +/- 0.17	pci/g
Strontium 89, 90	-0.1 +/- 0.6	pci/g	0.4 +/- 0.6	pci/g	0.4 +/- 0.6	pci/g
Plutonium 239, 240	0.02 +/- 0.13	pci/g	0.02 +/- 0.13	pci/g	0.00 +/- 0.12	pci/g
Americium 241	-0.01 +/- 0.09	pci/g	0.00 +/- 0.12	pci/g	0.00 +/- 0.06	pci/g
Cesium 137	0.0 +/- 0.1	pci/g	0.0 +/- 0.1	pci/g	0.0 +/- 0.1	pci/g
Tritium	0.10 +/- 0.20	pci/ml	0.12 +/- 0.20	pci/ml	0.05 +/- 0.19	pci/ml

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-429	1000-000-430	1000-000-431
Customer ID:	BH578720DH	BH578722DH	BH578724DH
Matrix:	Soil	Soil	Soil

Radio Chemistry

Gross Alpha	28 +/- 11	pci/g	21 +/- 11	pci/g	22 +/- 11	pci/g
Gross Beta	31 +/- 6	pci/g	29 +/- 6	pci/g	34 +/- 6	pci/g
Uranium 233, 234	0.99 +/- 0.16	pci/g	1.2 +/- 0.2	pci/g	2.2 +/- 0.2	pci/g
Uranium 235	NR		NR		NR	
Uranium 238	1.0 +/- 0.2	pci/g	1.1 +/- 0.2	pci/g	1.8 +/- 0.2	pci/g
Strontium 89, 90	0.3 +/- 0.6	pci/g	-0.2 +/- 0.6	pci/g	0.0 +/- 0.5	pci/g
Plutonium 239, 240	-0.01 +/- 0.12	pci/g	-0.05 +/- 0.10	pci/g	0.00 +/- 0.12	pci/g
Americium 241	-0.02 +/- 0.09	pci/g	-0.01 +/- 0.09	pci/g	0.01 +/- 0.10	pci/g
Cesium 137	0.0 +/- 0.1	pci/g	0.0 +/- 0.1	pci/g	0.0 +/- 0.1	pci/g
Tritium	0.10 +/- 0.20	pci/ml	0.01 +/- 0.19	pci/ml	0.13 +/- 0.20	pci/ml

881 HILLSIDE BOREHOLE SAMPLES
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-432	1000-000-433	1000-000-434
Customer ID:	BH578726DH	BH578728DH	BH588700UC
Matrix:	Soil	Soil	Soil

Radio Chemistry

Gross Alpha.....	16 +/- 9	pci/g	16 +/- 9	pci/g	19 +/- 10	pci/g
Gross Beta.....	24 +/- 6	pci/g	32 +/- 6	pci/g	22 +/- 6	pci/g
Uranium 233, 234.....	1.5 +/- 0.2	pci/g	1.4 +/- 0.2	pci/g	0.85 +/- 0.15	pci/g
Uranium 235.....	NR		NR		NR	
Uranium 238.....	1.5 +/- 0.2	pci/g	1.2 +/- 0.2	pci/g	0.80 +/- 0.14	pci/g
Strontium 89, 90.....	-0.4 +/- 0.5	pci/g	0.1 +/- 0.6	pci/g	0.0 +/- 0.6	pci/g
Plutonium 239, 240.....	0.04 +/- 0.12	pci/g	0.02 +/- 0.12	pci/g	0.09 +/- 0.14	pci/g
Americium 241.....	-0.05 +/- 0.07	pci/g	-0.02 +/- 0.08	pci/g	0.02 +/- 0.11	pci/g
Cesium 137.....	0.0 +/- 0.1	pci/g	0.0 +/- 0.1	pci/g	0.0 +/- 0.1	pci/g
Tritium.....	-0.03 +/- 0.20	pci/ml	0.13 +/- 0.20	pci/ml	0.10 +/- 0.20	pci/ml

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-435	1000-000-436	1000-000-441
Customer ID:	BH588702CT	BH5887048R	BH598704UC
Matrix:	Soil	Soil	Soil

Radio Chemistry

Gross Alpha.....	24 +/- 10	pci/g	22 +/- 10	pci/g	16 +/- 10	pci/g
Gross Beta.....	19 +/- 6	pci/g	25 +/- 6	pci/g	15 +/- 6	pci/g
Uranium 233, 234.....	1.4 +/- 0.2	pci/g	1.1 +/- 0.2	pci/g	0.63 +/- 0.17	pci/g
Uranium 235.....	NR		NR			
Uranium 238.....	1.3 +/- 0.2	pci/g	1.1 +/- 0.2	pci/g	0.84 +/- 0.19	pci/g
Strontium 89, 90.....	-0.4 +/- 0.6	pci/g	0.0 +/- 0.5	pci/g	0.1 +/- 0.4	pci/g
Plutonium 239, 240.....	0.04 +/- 0.12	pci/g	-0.05 +/- 0.10	pci/g	-0.04 +/- 0.08	pci/g
Americium 241.....	0.00 +/- 0.10	pci/g	-0.02 +/- 0.10	pci/g	0.03 +/- 0.10	pci/g
Cesium 137.....	0.0 +/- 0.1	pci/g	0.0 +/- 0.1	pci/g	0.0 +/- 0.1	pci/g
Tritium.....	0.21 +/- 0.20	pci/ml	0.17 +/- 0.20	pci/ml	0.12 +/- 0.20	pci/ml

881 HILLSIDE BOREHOLE SAMPLES
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-442		1000-000-443		1000-000-530	
Customer ID:	8H598707CT		8H5987098R		8H618707DH	
Matrix:	Soil		Soil		Soil	

Radio Chemistry

Gross Alpha.....	22 +/- 10	pci/g	24 +/- 11	pci/g	26 +/- 10	pci/g
Gross Beta.....	22 +/- 6	pci/g	26 +/- 6	pci/g	24 +/- 6	pci/g
Uranium 233, 234.....	1.1 +/- 0.2	pci/g	0.92 +/- 0.20	pci/g	0.99 +/- 0.20	pci/g
Uranium 235.....					NR	
Uranium 238.....	1.1 +/- 0.2	pci/g	1.1 +/- 0.2	pci/g	0.68 +/- 0.20	pci/g
Strontium 89, 90.....	-0.1 +/- 0.5	pci/g	-0.1 +/- 0.5	pci/g	0.0 +/- 0.5	pci/g
Plutonium 239, 240.....	0.00 +/- 0.08	pci/g	0.07 +/- 0.29	pci/g	-0.06 +/- 0.25	pci/g
Americium 241.....	-0.04 +/- 0.07	pci/g	-0.01 +/- 0.09	pci/g	0.03 +/- 0.09	pci/g
Cesium 137.....	0.0 +/- 0.1	pci/g	0.0 +/- 0.1	pci/g	0.0 +/- 0.1	pci/g
Tritium.....	0.18 +/- 0.20	pci/g	0.05 +/- 0.20	pci/ml	0.22 +/- 0.20	pci/ml

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-531		1000-000-532		1000-000-447	
Customer ID:	8H618709CT		8H618712BR		8H62870008	
Matrix:	Soil		Soil		Soil	

Radio Chemistry

Gross Alpha.....	21 +/- 10	pci/g	13 +/- 9	pci/g	35 +/- 15	pci/g
Gross Beta.....	23 +/- 6	pci/g	25 +/- 6	pci/g	31 +/- 6	pci/g
Uranium 233, 234.....	1.1 +/- 0.2	pci/g	1.1 +/- 0.2	pci/g	0.77 +/- 0.15	pci/g
Uranium 235.....	NR		NR			
Uranium 238.....	0.91 +/- 0.20	pci/g	0.80 +/- 0.19	pci/g	0.68 +/- 0.14	pci/g
Strontium 89, 90.....	-0.1 +/- 0.6	pci/g	0.1 +/- 0.6	pci/g	0.3 +/- 0.6	pci/g
Plutonium 239, 240.....	-0.07 +/- 0.08	pci/g	0.06 +/- 0.14	pci/g	-0.07 +/- 0.24	pci/g
Americium 241.....	-0.01 +/- 0.06	pci/g	0.09 +/- 0.09	pci/g	-0.02 +/- 0.07	pci/g
Cesium 137.....	0.0 +/- 0.1	pci/g	0.0 +/- 0.1	pci/g	0.0 +/- 0.1	pci/g
Tritium.....	0.09 +/- 0.20	pci/ml	0.17 +/- 0.20	pci/ml	0.73 +/- 0.21	pci/g

881 HILLSIDE BOREHOLE SAMPLES
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-448		1000-000-446		1000-000-445	
Customer ID:	BH6287008D		BH628712CT		BH628714BR	
Matrix:	Soil		Soil		Soil	
Radio Chemistry						
Gross Alpha	30 +/- 14	pci/g	32 +/- 14	pci/g	22 +/- 13	pci/g
Gross Beta	27 +/- 6	pci/g	26 +/- 6	pci/g	23 +/- 6	pci/g
Uranium 233, 234	0.91 +/- 0.17	pci/g	1.3 +/- 0.2	pci/g	1.1 +/- 0.2	pci/g
Uranium 235						
Uranium 238	0.87 +/- 0.17	pci/g	1.2 +/- 0.2	pci/g	1.3 +/- 0.2	pci/g
Strontium 89, 90	-0.1 +/- 0.4	pci/g	-0.2 +/- 0.6	pci/g	-0.2 +/- 0.5	pci/g
Plutonium 239, 240	-0.04 +/- 0.25	pci/g	0.07 +/- 0.27	pci/g	-0.03 +/- 0.25	pci/g
Americium 241	-0.05 +/- 0.11	pci/g	-0.04 +/- 0.11	pci/g	-0.06 +/- 0.10	pci/g
Cesium 137	0.0 +/- 0.1	pci/g	0.0 +/- 0.1	pci/g	0.0 +/- 0.1	pci/g
Tritium	0.69 +/- 0.21	pci/ml	0.73 +/- 0.21	pci/ml	0.40 +/- 0.20	pci/ml

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-534		1000-000-533		1000-000-535	
Customer ID:	BH63870008		BH638712DH		BH638718UC	
Matrix:	Soil		Soil		Soil	
Radio Chemistry						
Gross Alpha	22 +/- 13	pci/g	14 +/- 11	pci/g	24 +/- 13	pci/g
Gross Beta	22 +/- 6	pci/g	21 +/- 6	pci/g	20 +/- 6	pci/g
Uranium 233, 234	1.4 +/- 0.2	pci/g	0.91 +/- 0.15	pci/g	0.50 +/- 0.12	pci/g
Uranium 235	NR		NR		NR	
Uranium 238	1.4 +/- 0.2	pci/g	0.96 +/- 0.16	pci/g	0.53 +/- 0.12	pci/g
Strontium 89, 90	0.2 +/- 0.5	pci/g	0.0 +/- 0.4	pci/g	0.0 +/- 0.4	pci/g
Plutonium 239, 240	-0.09 +/- 0.24	pci/g	0.00 +/- 0.25	pci/g	-0.06 +/- 0.26	pci/g
Americium 241	-0.01 +/- 0.10	pci/g	-0.02 +/- 0.07	pci/g	0.05 +/- 0.09	pci/g
Cesium 137	0.1 +/- 0.1	pci/g	0.0 +/- 0.1	pci/g	0.0 +/- 0.1	pci/g
Tritium	0.03 +/- 0.20	pci/ml	0.25 +/- 0.20	pci/ml	0.15 +/- 0.20	pci/ml

881 HILLSIDE BOREHOLE SAMPLES
RADIOCHEMISTRY
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	1000-000-536	1000-000-537
Customer ID:	8H638722CT	8H6387248R
Matrix:	Soil	Soil

Radio Chemistry

Gross Alpha.....	28 +/- 14	pci/g	42 +/- 16	pci/g
Gross Beta.....	20 +/- 6	pci/g	33 +/- 7	pci/g
Uranium 233, 234.....	0.80 +/- 0.16	pci/g	2.0 +/- 0.2	pci/g
Uranium 235.....	NR		NR	
Uranium 238.....	1.1 +/- 0.2	pci/g	1.9 +/- 0.2	pci/g
Strontium 89, 90.....	-0.1 +/- 0.4	pci/g	0.3 +/- 0.4	pci/g
Plutonium 239, 240.....	0.04 +/- 0.25	pci/g	0.14 +/- 0.30	pci/g
Americium 241.....	0.01 +/- 0.08	pci/g	-0.05 +/- 0.07	pci/g
Cesium 137.....	0.0 +/- 0.1	pci/g	0.0 +/- 0.1	pci/g
Tritium.....	0.16 +/- 0.20	pci/ml	0.22 +/- 0.20	pci/ml

INORGANICS

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
8706-022-002	BH018701WT	
8706-022-004	BH018704WS	
8706-022-006	BH018710WS	
3122-471-005	BH02870012	
3122-471-001	BH02871214	
8705-057-012	BH02871420	
8705-057-014	BH028714CT	
3122-471-006	BH028718BR	
8705-051-004	BH03870009	
8705-051-003	BH038702WT	
8705-051-001	BH038709CT	
8705-051-006	BH038712BR	
8706-024-006	BH04870010	
8706-024-008	BH048710WT	
8706-024-004	BH048715CT	
8706-024-002	BH048719BR	
8705-051-016	BH05870005	
8705-051-017	BH058705CT	
8705-051-015	BH058708BR	
8705-051-009	BH06870010	
8705-051-011	BH06871020	
8705-051-014	BH068726CT	
8705-051-013	BH068730BR	
8705-057-006	BH07850510	
8705-057-008	BH078705CT	
8705-057-002	BH078708BR	
8705-057-009	BH07871013	
8705-057-004	BH078710WS	
8706-014-004	BH08870007	
8706-014-008	BH088707CT	
8706-014-0016	BH088710BR	
8706-002-006	BH09870010	
8706-002-004	BH098706WT	
3122-471-009	BH098711CT	
8706-002-002	BH098714BR	
8706-005-006	BH10870010	
8706-005-004	BH10871020	
8706-005-008	BH108720CT	
8706-005-002	BH108723BR	
8706-010-006	BH11870010	
8706-010-002	BH118711CT	
8706-010-004	BH118714WT	
8705-059-002	BH128702CT	
8705-059-004	BH128705BR	
8706-004-002	BH13870010	
3122-471-004	BH138711CT	
8706-004-004	BH138714BR	
3122-471-007	BH148703WI	
3122-471-003	BH148706CT	
3122-471-002	BH148708W2	
3122-471-008	BH148709BR	
8706-014-0014	BH15870005	

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
8706-014-0018	BH15870510	
8706-014-0012	BH158726BR	
8706-010-0012	BH16870206	
8706-010-0010	BH168702CT	
8706-010-008	BH168706BR	
8706-014-0010	BH17870005	
8706-014-006	BH178705CT	
8706-014-002	BH178708BR	
8710-025-001	BH578704DH	
8710-025-002	BH578708DH	
8710-025-004	BH578712CT	
8710-032-001	BH578714BR	
8710-032-002	BH578716DH	
8710-032-003	BH578718DH	
8710-032-004	BH578720DH	
8710-032-005	BH578722DH	
8710-032-006	BH578724DH	
8710-032-007	BH578726DH	
8710-032-008	BH578728DH	
8710-032-009	BH588700UC	
8710-032-0010	BH588702CT	
8710-032-0011	BH588704BR	
8710-016-001	BH598704UC	
8710-016-002	BH598707CT	
8710-016-003	BH598709BR	
8710-040-001	BH618707DH	
8710-051-002	BH618709CT	
8710-051-005	BH618712BR	
8710-073-003	BH62870008	
8710-073-004	BH6287008D	
8710-073-002	BH628712CT	
8710-073-001	BH628714BR	
8710-056-002	BH63870008	
8710-056-001	BH638712DH	
8710-063-001	BH638718UC	
8710-063-002	BH638722CT	
8710-063-003	BH638724BR	
8710-025-003	BH758710UC	

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-022-002	8706-022-004	8706-022-006
Customer ID:	8H018701WT	8H018704WS	8H018710WS
Matrix:	Soil	Soil	Soil

Inorganics

Chloride									
Cyanide, Total	1.2	U	mg/kg	1.2	U	mg/kg	1.2	U	mg/kg
Fluoride									
Nitrate-Nitrite-Nitrogen									
Total Organic Carbon									
pH	8.85		phunit	8.70		phunit	8.80		phunit
Sulfate									
Specific Conductance									
Turbidity									
Sulfide	200	U	mg/kg	200	U	mg/kg	200	U	mg/kg
Oil and Grease	1.7	U	mg/kg	1.7	U	mg/kg	1.7	U	mg/kg
Ignitability (Degrees)	>230		f	>230		f	>230		f
% Solids	89.2		%	84.0		%	86.1		%
Total Dissolved Solids									
HCO3-									
CO3=									
Suspended Solids									
Hexavalent Chromium (Cr+6)									

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS) Page: 2

Sample Information

RFW Batch ID:	3122-471-005	3122-471-001	8705-057-012
Customer ID:	BH02870012	BH02871214	BH02871420
Matrix:	Soil	Soil	Soil

Inorganics

Chloride	NR			NR					
Cyanide, Total	2.5	U	mg/kg	2.5	U	mg/kg	1.3	U	mg/kg
Fluoride	NR			NR					
Nitrate-Nitrite-Nitrogen	NR			NR					
Total Organic Carbon	NR			NR					
pH	8.1		phunit	8.1		phunit	8.98		phunit
Sulfate	NR			NR					
Specific Conductance	NR			NR					
Turbidity	NR			NR					
Sulfide	NEG		mg/kg	NEG		mg/kg	189	U	mg/kg
Oil and Grease	567		mg/kg	556		mg/kg	1.7	U	mg/kg
Ignitability (Degrees)	NR			NR					
% Solids	NR			NR		%	82.7		%
Total Dissolved Solids									
HCO3-									
CO3=									
Suspended Solids									
Hexavalent Chromium (Cr+6)									

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8705-057-014				3122-471-006				8705-051-004		
Customer ID:	BH028714CT				BH028718BR				BH03870009		
Matrix:	Soil				Soil				Soil		
Inorganics											
Chloride					NR						
Cyanide, Total	1.2	U	mg/kg		2.5	U	mg/kg				
Fluoride					NR						
Nitrate-Nitrite-Nitrogen					NR						
Total Organic Carbon					NR						
pH	9.04		phunit		8.0		phunit				
Sulfate					NR						
Specific Conductance					NR						
Turbidity					NR						
Sulfide	194	U	mg/kg		NEG		mg/kg				
Oil and Grease	1.7	U	mg/kg		518		mg/kg				
Ignitability (Degrees)					NR						
% Solids	87.9		%		NR				81.9		%
Total Dissolved Solids											
HCO3-											
CO3=											
Suspended Solids											
Hexavalent Chromium (Cr+6)											

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8705-051-003			8705-051-001			8705-051-006	
Customer ID:	BH038702WT			BH038709CT			BH038712BR	
Matrix:	Soil			Soil			Soil	
Inorganics								
Chloride								
Cyanide, Total							2.0	mg/kg
Fluoride								
Nitrate-Nitrite-Nitrogen								
Total Organic Carbon								
pH							8.51	phunit
Sulfate								
Specific Conductance								
Turbidity								
Sulfide							200 U	mg/kg
Oil and Grease							1.7 U	mg/kg
Ignitability (Degrees)							230 U	f
% Solids	84.0	%		79.3	%		79.2	%
Total Dissolved Solids								
HCO3-								
CO3=								
Suspended Solids								
Hexavalent Chromium (Cr+6)								

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-024-006	8706-024-008	8706-024-004
Customer ID:	BH04870010	BH048710WT	BH048715CT
Matrix:	Soil	Soil	Soil

Inorganics

Chloride									
Cyanide, Total	1.2	U	mg/kg	1.2	U	mg/kg	1.2	U	mg/kg
Fluoride									
Nitrate-Nitrite-Nitrogen									
Total Organic Carbon									
pH	8.35		phunit	9.20		phunit	8.45		phunit
Sulfate									
Specific Conductance									
Turbidity									
Sulfide	200	U	mg/kg	200	U	mg/kg	200	U	mg/kg
Oil and Grease	4.6		mg/kg	1.7	U	mg/kg	1.7	U	mg/kg
Ignitability (Degrees)	>230		f	>230		f	>230		f
% Solids	88.9		%	81.7		%	91.1		%
Total Dissolved Solids									
HCO3-									
CO3=									
Suspended Solids									
Hexavalent Chromium (Cr+6)									

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-024-002	8705-051-016	8705-051-017
Customer ID:	8H0487198R	8H05870005	8H058705CT
Matrix:	Soil	Soil	Soil

Inorganics

Chloride									
Cyanide, Total	1.2	U	mg/kg	1.3	U	mg/kg	1.1	U	mg/kg
Fluoride									
Nitrate-Nitrite-Nitrogen									
Total Organic Carbon									
pH	8.1	U	phunit	8.18		phunit	7.18		phunit
Sulfate									
Specific Conductance									
Turbidity									
Sulfide	200	U	mg/kg	200	U	mg/kg	200	U	mg/kg
Oil and Grease	1.7	U	mg/kg	1.7	U	mg/kg	1.7	U	mg/kg
Ignitability (Degrees)	>230		f	230	U	f	230	U	f
% Solids	78.2		%	83.3		%	82.3		%
Total Dissolved Solids									
HCO3-									
CO3=									
Suspended Solids									
Hexavalent Chromium (Cr+6)									

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8705-051-015	8705-051-009	8705-051-011
Customer ID:	8H0587088R	8H06870010	8H06871020
Matrix:	Soil	Soil	Soil

Inorganics

Chloride								
Cyanide, Total	1.2	U	mg/kg	1.2	U	mg/kg	1.3	U	mg/kg
Fluoride								
Nitrate-Nitrite-Nitrogen								
Total Organic Carbon								
pH	7.38		phunit	7.22		phunit	8.47		phunit
Sulfate								
Specific Conductance								
Turbidity								
Sulfide	200	U	mg/kg	200	U	mg/kg	200	U	mg/kg
Oil and Grease	1.7	U	mg/kg	1.7	U	mg/kg	1.7	U	mg/kg
Ignitability (Degrees)	230	U	f	230	U	f	230	U	f
% Solids	79.6		%	79.3		%	83.6		%
Total Dissolved Solids								
HCO3-								
CO3=								
Suspended Solids								
Hexavalent Chromium (Cr+6)								

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8705-051-014	8705-051-013	8705-057-006
Customer ID:	8H068726CT	8H0687308R	8H07850510
Matrix:	Soil	Soil	Soil

Inorganics

Chloride								
Cyanide, Total	1.1	U	mg/kg	1.3		mg/kg	1.2	U	mg/kg
Fluoride								
Nitrate-Nitrite-Nitrogen								
Total Organic Carbon								
pH	6.63		phunit	7.52		phunit	8.49		phunit
Sulfate								
Specific Conductance								
Turbidity								
Sulfide	200	U	mg/kg	200	U	mg/kg	198	U	mg/kg
Oil and Grease	1.7	U	mg/kg	1.7	U	mg/kg	1.7	U	mg/kg
Ignitability (Degrees)	230	U	f	230	U	f			
% Solids	84.3		%	83.4		%	82.8		%
Total Dissolved Solids								
HCO3-								
CO3=								
Suspended Solids								
Hexavalent Chromium (Cr+6)								

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8705-057-008	8705-057-002	8705-057-009
Customer ID:	8H078705CT	8H078708BR	8H07871013
Matrix:	Soil	Soil	Soil

Inorganics

Chloride								
Cyanide, Total	1.2	U	mg/kg	1.3	U	mg/kg	1.3	U	mg/kg
Fluoride								
Nitrate-Nitrite-Nitrogen								
Total Organic Carbon								
pH	8.23		phunit	8.35		phunit	8.84		phunit
Sulfate								
Specific Conductance								
Turbidity								
Sulfide	196	U	mg/kg	187	U	mg/kg	192	U	mg/kg
Oil and Grease	1.7	U	mg/kg	1.7	U	mg/kg	1.7	U	mg/kg
Ignitability (Degrees)								
% Solids	83.5		%	83.3		%	84.8		%
Total Dissolved Solids								
HCO3-								
CO3=								
Suspended Solids								
Hexavalent Chromium (Cr+6)								

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8705-057-004			8706-014-004			8706-014-008		
Customer ID:	BH078710WS			BH08870007			BH088707CT		
Matrix:	Soil			Soil			Soil		
Inorganics									
Chloride									
Cyanide, Total	1.1	U	mg/kg	1.2	U	mg/kg	1.2	U	mg/kg
Fluoride									
Nitrate-Nitrite-Nitrogen									
Total Organic Carbon									
pH	8.30		phunit	8.10		phunit	9.10		phunit
Sulfate									
Specific Conductance									
Turbidity									
Sulfide	200	U	mg/kg	200	U	mg/kg	200	U	mg/kg
Oil and Grease	1.7	U	mg/kg	1.7	U	mg/kg	1.7	U	mg/kg
Ignitability (Degrees)				>230		f	>230		f
% Solids	83.5		%	87.1		%	84.7		%
Total Dissolved Solids									
HCO3-									
CO3=									
Suspended Solids									
Hexavalent Chromium (Cr+6)									

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8706-014-0016	8706-002-006	8706-002-004
Customer ID:	BH088710BR	BH09870010	BH098706WT
Matrix:	Soil	Soil	Soil

Inorganics

Chloride								
Cyanide, Total	1.2	U	mg/kg	1.1	U	mg/kg	1.3	U	mg/kg
Fluoride								
Nitrate-Nitrite-Nitrogen								
Total Organic Carbon								
pH	8.55		phunit	7.37		phunit	6.78		phunit
Sulfate								
Specific Conductance								
Turbidity								
Sulfide	200	U	mg/kg	180	U	mg/kg	183	U	mg/kg
Oil and Grease	1.7	U	mg/kg	1.7	U	mg/kg	1.7	U	mg/kg
Ignitability (Degrees)	>230		f	>230		f	>230		f
% Solids	82.4		%	82.5		%	80.8		%
Total Dissolved Solids								
HCO3-								
CO3=								
Suspended Solids								
Hexavalent Chromium (Cr+6)								

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	3122-471-009	8706-002-002	8706-005-006
Customer ID:	BH098711CT	BH0987148R	BH10870010
Matrix:	Soil	Soil	Soil

Inorganics

Chloride	NR								
Cyanide, Total	2.5	U	mg/kg	1.3	U	mg/kg	1.2	U	mg/kg
Fluoride	NR								
Nitrate-Nitrite-Nitrogen	NR								
Total Organic Carbon	NR								
pH	8.1		phunit	6.55		phunit	8.39		phunit
Sulfate	NR								
Specific Conductance	NR								
Turbidity	NR								
Sulfide	NEG		mg/kg	213	U	mg/kg	187	U	mg/kg
Oil and Grease	263		mg/kg	1.7	U	mg/kg	1.7	U	mg/kg
Ignitability (Degrees)	NR			>230		f	>230		f
% Solids	NR			85.2		%	87.7		%
Total Dissolved Solids									
HCO3-									
CO3=									
Suspended Solids									
Hexavalent Chromium (Cr+6)									

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8706-005-004	8706-005-008	8706-005-002
Customer ID:	BH10871020	BH108720CT	BH1087238R
Matrix:	Soil	Soil	Soil

Inorganics

Chloride								
Cyanide, Total	1.2	U	mg/kg	1.2	U	mg/kg	1.2	U	mg/kg
Fluoride								
Nitrate-Nitrite-Nitrogen								
Total Organic Carbon								
pH	8.46		phunit	7.72		phunit	8.3		phunit
Sulfate								
Specific Conductance								
Turbidity								
Sulfide	194	U	mg/kg	189	U	mg/kg	190	U	mg/kg
Oil and Grease	1.7	U	mg/kg	1.7	U	mg/kg	1.7	U	mg/kg
Ignitability (Degrees)	>230		f	>230		f	>230		f
% Solids	80.4		%	83.2		%	84.5		%
Total Dissolved Solids								
HCO3-								
CO3=								
Suspended Solids								
Hexavalent Chromium (Cr+6)								

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-010-006	8706-010-002	8706-010-004
Customer ID:	BH11870010	BH118711CT	BH118714WT
Matrix:	Soil	Soil	Soil

Inorganics

Chloride									
Cyanide, Total	1.1	U	mg/kg	1.2	U	mg/kg	1.3	U	mg/kg
Fluoride									
Nitrate-Nitrite-Nitrogen									
Total Organic Carbon									
pH	8.65		phunit	5.65		phunit	8.16		phunit
Sulfate									
Specific Conductance									
Turbidity									
Sulfide	202	U	mg/kg	204	U	mg/kg	190	U	mg/kg
Oil and Grease	1.7	U	mg/kg	1.7	U	mg/kg	1.7	U	mg/kg
Ignitability (Degrees)	>230		f	>230		f	>230		f
% Solids	86.1		%	82.6		%	86.1		%
Total Dissolved Solids									
HCO3-									
CO3=									
Suspended Solids									
Hexavalent Chromium (Cr+6)									

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8705-059-002	8705-059-004	8706-004-002
Customer ID:	BH128702CT	BH128705BR	BH13870010
Matrix:	Soil	Soil	Soil

Inorganics

Chloride								
Cyanide, Total	2.0	U	mg/kg	1.1	U	mg/kg	1.3	mg/kg
Fluoride								
Nitrate-Nitrite-Nitrogen								
Total Organic Carbon								
pH	7.08		phunit	8.68		phunit	8.65	phunit
Sulfate								
Specific Conductance								
Turbidity								
Sulfide	187	U	mg/kg	194	U	mg/kg	192	U mg/kg
Oil and Grease	1.7	U	mg/kg	1.7	U	mg/kg	1.7	U mg/kg
Ignitability (Degrees)							>230	f
% Solids	86.6		%	86.0		%	81.1	%
Total Dissolved Solids								
HCO3-								
CO3=								
Suspended Solids								
Hexavalent Chromium (Cr+6)								

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	3122-471-004			8706-004-004				3122-471-007			
Customer ID:	8H138711CT			8H138714BR				8H148703WI			
Matrix:	Soil			Soil				Soil			

Inorganics

Chloride	NR								NR		
Cyanide, Total	2.5	U	mg/kg	1.1	U	mg/kg			2.5	U	mg/kg
Fluoride	NR								NR		
Nitrate-Nitrite-Nitrogen	NR								NR		
Total Organic Carbon	NR								NR		
pH	8.6		phunit	8.01		phunit			8.1		phunit
Sulfate	NR								NR		
Specific Conductance	NR								NR		
Turbidity	NR								NR		
Sulfide	NEG		mg/kg	200	U	mg/kg			NEG		mg/kg
Oil and Grease	316		mg/kg	1.7	U	mg/kg			265		mg/kg
Ignitability (Degrees)	NR			>230		f			NR		
% Solids	NR			85.8		%			NR		
Total Dissolved Solids											
HCO3-											
CO3=											
Suspended Solids											
Hexavalent Chromium (Cr+6)											

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	3122-471-003	3122-471-002	3122-471-008
Customer ID:	8H148706CT	8H148708W2	8H148709BR
Matrix:	Soil	Soil	Soil

Inorganics

Chloride	NR			NR			NR		
Cyanide, Total	2.5	U	mg/kg	2.5	U	mg/kg	2.5	U	mg/kg
Fluoride	NR			NR			NR		
Nitrate-Nitrite-Nitrogen	NR			NR			NR		
Total Organic Carbon	NR			NR			NR		
pH	8.0		phunit	8.3		phunit	7.9		phunit
Sulfate	NR			NR			NR		
Specific Conductance	NR			NR			NR		
Turbidity	NR			NR			NR		
Sulfide	NEG		mg/kg	NEG		mg/kg	NEG		mg/kg
Oil and Grease	513		mg/kg	563		mg/kg	113		mg/kg
Ignitability (Degrees)	NR			NR			NR		
% Solids	NR			NR			NR		
Total Dissolved Solids									
HCO3-									
CO3=									
Suspended Solids									
Hexavalent Chromium (Cr+6)									

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8706-014-0014			8706-014-0018				8706-014-0012			
Customer ID:	BH15870005			BH15870510				BH158726BR			
Matrix:	Soil			Soil				Soil			
Inorganics											
Chloride											
Cyanide, Total	1.2	U	mg/kg	1.2	U	mg/kg		1.2	U	mg/kg	
Fluoride											
Nitrate-Nitrite-Nitrogen											
Total Organic Carbon											
pH	8.80		phunit	9.00		phunit		8.60		phunit	
Sulfate											
Specific Conductance											
Turbidity											
Sulfide	200	U	mg/kg	200	U	mg/kg		200	U	mg/kg	
Oil and Grease	1.7	U	mg/kg	1.7	U	mg/kg		1.7	U	mg/kg	
Ignitability (Degrees)	>230		f	>230		f		>230		f	
% Solids	86.0		%	85.4		%		83.9		%	
Total Dissolved Solids											
HCO3-											
CO3=											
Suspended Solids											
Hexavalent Chromium (Cr+6)											

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8706-010-0012	8706-010-0010	8706-010-008
Customer ID:	BH16870206	BH168702CT	BH168706BR
Matrix:	Soil	Soil	Soil

Inorganics

Chloride								
Cyanide, Total	1.2	U	mg/kg	1.0	U	mg/kg	1.1	mg/kg
Fluoride								
Nitrate-Nitrite-Nitrogen								
Total Organic Carbon								
pH	7.04		phunit	7.66		phunit	7.49	phunit
Sulfate								
Specific Conductance								
Turbidity								
Sulfide	204	U	mg/kg	196	U	mg/kg	189	U mg/kg
Oil and Grease	1.7	U	mg/kg	1.7	U	mg/kg	1.7	U mg/kg
Ignitability (Degrees)	>230		f	>230		f	>230	f
% Solids	81.4		%	86.6		%	84.0	%
Total Dissolved Solids								
HCO3-								
CO3=								
Suspended Solids								
Hexavalent Chromium (Cr+6)								

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8706-014-0010	8706-014-006	8706-014-002
Customer ID:	8H17870005	8H178705CT	8H1787088R
Matrix:	Soil	Soil	Soil

Inorganics

Chloride								
Cyanide, Total	1.2	U	mg/kg	1.2	U	mg/kg	1.2	U	mg/kg
Fluoride								
Nitrate-Nitrite-Nitrogen								
Total Organic Carbon								
pH	8.50		phunit	8.40		phunit	8.45		phunit
Sulfate								
Specific Conductance								
Turbidity								
Sulfide	200	U	mg/kg	200	U	mg/kg	200	U	mg/kg
Oil and Grease	1.7	U	mg/kg	1.7	U	mg/kg	1.7	U	mg/kg
Ignitability (Degrees)	>230		f	>230		f	>230		f
% Solids	85.6		%	81.4		%	86.0		%
Total Dissolved Solids								
HCO3-								
CO3=								
Suspended Solids								
Hexavalent Chromium (Cr+6)								

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8710-025-001		8710-025-002		8710-025-004	
Customer ID:	8H578704DH		8H578708DH		8H578712CT	
Matrix:	Soil		Soil		Soil	
Inorganics						
Chloride						
Cyanide, Total	4.2	mg/kg	ND	mg/kg	ND	mg/kg
Fluoride						
Nitrate-Nitrite-Nitrogen						
Total Organic Carbon						
pH	7.95	phunit	7.87	phunit	7.68	phunit
Sulfate						
Specific Conductance						
Turbidity						
Sulfide	ND	mg/kg	ND	mg/kg	ND	mg/kg
Oil and Grease	ND	mg/kg	ND	mg/kg	ND	mg/kg
Ignitability (Degrees)	>230	f	>230	f	>230	f
% Solids						
Total Dissolved Solids						
HCO3-						
CO3=						
Suspended Solids						
Hexavalent Chromium (Cr+6)						

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8710-032-001		8710-032-002		8710-032-003	
Customer ID:	BH5787148R		BH578716DH		BH578718DH	
Matrix:	Soil		Soil		Soil	

Inorganics

Chloride						
Cyanide, Total	ND	mg/kg	ND	mg/kg	ND	mg/kg
Fluoride						
Nitrate-Nitrite-Nitrogen						
Total Organic Carbon						
pH	7.51	phunit	7.50	phunit	7.72	phunit
Sulfate						
Specific Conductance						
Turbidity						
Sulfide	ND	mg/kg	ND	mg/kg	ND	mg/kg
Oil and Grease	ND	mg/kg	ND	mg/kg	ND	mg/kg
Ignitability (Degrees)	>230	f	>230	f	>230	f
% Solids	81.2	%	81.6	%	87.4	%
Total Dissolved Solids						
HCO3-						
CO3=						
Suspended Solids						
Hexavalent Chromium (Cr+6)						

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8710-032-004	8710-032-005	8710-032-006
Customer ID:	BH578720DH	BH578722DH	BH578724DH
Matrix:	Soil	Soil	Soil

Inorganics

Chloride						
Cyanide, Total	ND	mg/kg	ND	mg/kg	ND	mg/kg
Fluoride						
Nitrate-Nitrite-Nitrogen						
Total Organic Carbon						
pH	7.67	phunit	8.15	phunit	7.70	phunit
Sulfate						
Specific Conductance						
Turbidity						
Sulfide	ND	mg/kg	ND	mg/kg	ND	mg/kg
Oil and Grease	ND	mg/kg	ND	mg/kg	ND	mg/kg
Ignitability (Degrees)	>230	f	>230	f	>230	f
% Solids	87.4	%	84.7	%	83.7	%
Total Dissolved Solids						
HCO3-						
CO3=						
Suspended Solids						
Hexavalent Chromium (Cr+6)						

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8710-032-007	8710-032-008	8710-032-009
Customer ID:	BH578726DH	BH578728DH	BH588700UC
Matrix:	Soil	Soil	Soil

Inorganics

Chloride						
Cyanide, Total	ND	mg/kg	ND	mg/kg	ND	mg/kg
Fluoride						
Nitrate-Nitrite-Nitrogen						
Total Organic Carbon						
pH	7.82	phunit	7.82	phunit	8.28	phunit
Sulfate						
Specific Conductance						
Turbidity						
Sulfide	ND	mg/kg	ND	mg/kg	ND	mg/kg
Oil and Grease	ND	mg/kg	10.3	mg/kg	4.3	mg/kg
Ignitability (Degrees)	>230	f	>230	f	>230	f
% Solids	83.0	%	82.3	%	85.2	%
Total Dissolved Solids						
HCO3-						
CO3=						
Suspended Solids						
Hexavalent Chromium (Cr+6)						

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8710-032-0010		8710-032-0011		8710-016-001	
Customer ID:	BH588702CT		BH5887048R		BH598704UC	
Matrix:	Soil		Soil		Soil	

Inorganics

Chloride						
Cyanide, Total	ND	mg/kg	ND	mg/kg	6.8	mg/kg
Fluoride						
Nitrate-Nitrite-Nitrogen						
Total Organic Carbon						
pH	8.11	phunit	8.44	phunit	7.62	phunit
Sulfate						
Specific Conductance						
Turbidity						
Sulfide	ND	mg/kg	ND	mg/kg	ND	mg/kg
Oil and Grease	5.0	mg/kg	ND	mg/kg	ND	mg/kg
Ignitability (Degrees)	>230	f	>230	f	>230	f
% Solids	86.4	%	85.6	%		
Total Dissolved Solids						
HCO3-						
CO3=						
Suspended Solids						
Hexavalent Chromium (Cr+6)						

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8710-016-002		8710-016-003		8710-040-001	
Customer ID:	BH598707CT		BH598709BR		BH618707DH	
Matrix:	Soil		Soil		Soil	

Inorganics

Chloride						
Cyanide, Total	ND	mg/kg	ND	mg/kg	ND	mg/kg
Fluoride						
Nitrate-Nitrite-Nitrogen						
Total Organic Carbon						
pH	7.62	phunit	7.97	phunit	8.69	phunit
Sulfate						
Specific Conductance						
Turbidity						
Sulfide	ND	mg/kg	ND	mg/kg	<200	mg/kg
Oil and Grease	ND	mg/kg	ND	mg/kg	ND	mg/kg
Ignitability (Degrees)	>230	f	>230	f	>230	f
% Solids					86.2	%
Total Dissolved Solids						
HCO3-						
CO3=						
Suspended Solids						
Hexavalent Chromium (Cr+6)						

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8710-051-002		8710-051-005		8710-073-003	
Customer ID:	BH618709CT		BH6187128R		BH62870008	
Matrix:	Soil		Soil		Soil	

Inorganics

Chloride						
Cyanide, Total	2.82	mg/kg	ND	mg/kg	ND	mg/kg
Fluoride						
Nitrate-Nitrite-Nitrogen						
Total Organic Carbon						
pH	8.92	phunit	8.87	phunit	8.00	phunit
Sulfate						
Specific Conductance						
Turbidity						
Sulfide	<200	mg/kg	<200	mg/kg	<200	mg/kg
Oil and Grease	ND	mg/kg	259	mg/kg	149	mg/kg
Ignitability (Degrees)	>230	f	>230	f	>230	f
% Solids	88.7	%	87.6	%	83.1	%
Total Dissolved Solids						
HCO3-						
CO3=						
Suspended Solids						
Hexavalent Chromium (Cr+6)						

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8710-073-004		8710-073-002		8710-073-001	
Customer ID:	8H6287008D		8H628712CT		8H6287148R	
Matrix:	Soil		Soil		Soil	

Inorganics

Chloride						
Cyanide, Total	2.98	mg/kg	2.75	mg/kg	ND	mg/kg
Fluoride						
Nitrate-Nitrite-Nitrogen						
Total Organic Carbon						
pH	8.12	phunit	8.01	phunit	7.65	phunit
Sulfate						
Specific Conductance						
Turbidity						
Sulfide	<200	mg/kg	<200	mg/kg	<200	mg/kg
Oil and Grease	450	mg/kg	ND	mg/kg	ND	mg/kg
Ignitability (Degrees)	>230	f	>230	f	>230	f
% Solids	82.8	%	81.2	%	85.8	%
Total Dissolved Solids						
HCO3-						
CO3=						
Suspended Solids						
Hexavalent Chromium (Cr+6)						

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8710-056-002		8710-056-001		8710-063-001	
Customer ID:	BH63870008		BH638712DH		BH638718UC	
Matrix:	Soil		Soil		Soil	
Inorganics						
Chloride						
Cyanide, Total	4.85	mg/kg	3.54	mg/kg	ND	mg/kg
Fluoride						
Nitrate-Nitrite-Nitrogen						
Total Organic Carbon						
pH	7.90	phunit	8.20	phunit	7.18	phunit
Sulfate						
Specific Conductance						
Turbidity						
Sulfide	<200	mg/kg	<200	mg/kg	<200	mg/kg
Oil and Grease	ND	mg/kg	ND	mg/kg	ND	mg/kg
Ignitability (Degrees)	>230	f	>230	f	>230	f
% Solids	86.4	%	89.6	%	77.8	%
Total Dissolved Solids						
HCO3-						
CO3=						
Suspended Solids						
Hexavalent Chromium (Cr+6)						

881 HILSIDE BOREHOLE SAMPLES
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8710-063-002		8710-063-003		8710-025-003	
Customer ID:	8H638722CT		8H638724BR		8H758710UC	
Matrix:	Soil		Soil		Soil	

Inorganics

Chloride						
Cyanide, Total	ND	mg/kg	ND	mg/kg	4.5	mg/kg
Fluoride						
Nitrate-Nitrite-Nitrogen						
Total Organic Carbon						
pH	7.37	phunit	8.63	phunit	7.66	phunit
Sulfate						
Specific Conductance						
Turbidity						
Sulfide	<200	mg/kg	<200	mg/kg	ND	mg/kg
Oil and Grease	ND	mg/kg	ND	mg/kg	ND	mg/kg
Ignitability (Degrees)	>230	f	>230	f	>230	f
% Solids	76.6	%	72.2	%		
Total Dissolved Solids						
HCO3-						
CO3=						
Suspended Solids						
Hexavalent Chromium (Cr+6)						

METALS

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
8706-022-0020	BH018701WT	02
8706-022-0040	BH018704WS	04
8706-022-0060	BH018710WS	06
3122-471-005	BH02870012	
3122-471-001	BH02871214	
8705-057-0120	BH02871420	12
8705-057-0140	BH028714CT	14
3122-471-006	BH028718BR	
8705-051-008	BH03870009	
8705-051-007	BH038702WT	
8705-051-003	BH038709CT	
8705-051-005	BH038712BR	
8706-024-0060	BH04870610	06
8706-024-0080	BH048710WT	08
8706-024-0040	BH048715CT	04
8706-024-0020	BH048719BR	02
8705-051-015	BH05870005	
8705-051-016	BH058705CT	
8705-051-014	BH058708BR	
8705-051-009	BH06870010	
8705-051-011	BH06871020	
8705-051-013	BH068726CT	
8705-051-012	BH068730BR	
8705-057-0060	BH07870510	06
8705-057-0080	BH078705CT	08
8705-057-0020	BH078708BR	02
8705-057-0090	BH07871013	09
8705-057-0040	BH078710WS	04
8706-014-0040	BH08870007	04
8706-014-0080	BH088707CT	08
8706-014-0160	BH088710BR	16
8706-002-0060	BH09870010	06
8706-002-0040	BH098706WT	04
3122-471-009	BH098711CT	
8706-002-0020	BH098714BR	02
8706-005-0060	BH10870010	06
8706-005-0040	BH10871020	04
8706-005-0080	BH108720CT	08
8706-005-0020	BH108723BR	02
8706-010-0060	BH11870010	06
8706-010-0020	BH118711CT	02
8706-010-0040	BH118714WT	04
8705-059-0020	BH128702CT	02
8705-059-0040	BH128705BR	04
8706-004-0020	BH13870010	02
3122-471-004	BH138711CT	
8706-004-0040	BH138714BR	04
3122-471-007	BH148703W1	
3122-471-003	BH148706CT	
3122-471-002	BH148708W2	
3122-471-008	BH148709BR	
8706-014-0140	BH15870005	14

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
8706-014-0180	BH15870510	18
8706-014-0120	BH158726BR	12
8706-010-0120	BH16870206	12
8706-010-0100	BH168702CT	10
8706-010-0080	BH168706BR	08
8706-014-0100	BH17870005	10
8706-014-0060	BH178705CT	06
8706-014-0020	BH178708BR	02
8710-025-0010	BH578704DH	01
8710-025-0020	BH578708DH	02
8710-025-0030	BH578710UC	03
8710-025-0040	BH578712CT	04
8710-032-0010	BH578714BR	01
8710-032-0020	BH578716DH	02
8710-032-0030	BH578718DH	03
8710-032-0040	BH578720DH	04
8710-032-0050	BH578722DH	05
8710-032-0060	BH578724DH	06
8710-032-0070	BH578726DH	07
8710-032-0080	BH578728DH	08
8710-032-0090	BH588700UC	09
8710-032-0100	BH588702CT	10
8710-032-0110	BH588704BR	
8710-016-0010	BH598704UC	01
8710-016-0020	BH598707CT	02
8710-016-0030	BH598709BR	03
8710-040-0010	BH618707DH	01
8710-051-004	BH618709CT	
8710-051-005	BH618712BR	
8710-073-001	BH62870008	03
8710-073-005	BH628702DH	09
8710-073-004	BH628714BR	01
8710-056-001	BH63870008	02
8710-056-002	BH638712DH	01
8710-063-003	BH638718UC	01
8710-063-004	BH638722CT	02
8710-063-005	BH638724BR	03
8710-073-003	UH628712CT	02

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-022-0020	8706-022-0040	8706-022-0060	3122-471-005
Customer ID:	BH018701WT	BH018704WS	BH018710WS	BH02870012
Matrix:	Soil	Soil	Soil	Soil
Units:	MG/KG	MG/KG	MG/KG	MG/KG

Metals

Silver (Ag), total.....	2.00 U	2.1 U	2.00 U	0.4 U
Aluminum (Al), total.....	11100	13500	9660	9720
Arsenic (As), total.....	8.9	4.8	2.8	4.83
Barium (Ba), total.....	131	52	50	162.0
Beryllium (Be), total.....	0.8 J	0.8 J	0.8 J	1.00 U
Calcium (Ca), total.....	3160	4650	4200	5980
Cadmium (Cd), total.....	2.7	2.8	1.2	1.0 U
Cobalt (Co), total.....	10.00 U	10.00 U	10.00 U	8.40
Chromium (Cr), total.....	14	12	9.0	13.0
Cesium (Cs), total.....	NR	NR	NR	
Copper (Cu), total.....	4.8 J	14	13	18.4
Iron (Fe), total.....	9650	6360	3600	16500
Mercury (Hg), total.....	0.45	0.20	0.10	0.1 U
Potassium (K), total.....	810 J	957 J	777 J	1450
Lithium (Li), total.....				10.0 U
Magnesuim (Mg), total.....	2520	2210	1800	2950
Manganese (Mn), total.....	48	12	28	294.0
Molybdenum(Mo), total.....	NR	NR	NR	NR
Sodium (Na), total.....	510 J	581 J	521 J	372.0
Nickel (Ni), total.....	7.9 J	8.00 U	8.00 U	19.4
Lead (Pb), total.....	4.6	23	20	17.7
Antimony (Sb), total.....	12.00 U	12.00 U	12.00 U	4.0 U
Selenium (Se), total.....	1.00 U	1.00 U	1.00 U	1 U
Strontium (Sr), total.....	33	46	52	71.4
Thallium (Tl), total.....	2.00 U	2.00 U	2.00 U	2 U
Vanadium (V), total.....	19	23	18	27.2
Zinc (Zn), total.....	22	36	40	72.6

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	3122-471-001	8705-057-0120	8705-057-0140	3122-471-006
Customer ID:	BH02871214	BH02871420	BH028714CT	BH0287188R
Matrix:	Soil	Soil	Soil	Soil
Units:	MG/KG	MG/KG	MG/KG	MG/KG

Metals

Silver	(Ag), total.....	0.4	U	2.00	U	2.00	U	0.4	U
Aluminum	(Al), total.....	20000		8730		8690		9380	
Arsenic	(As), total.....	6.42		7.7		11		3.15	
Barium	(Ba), total.....	440.0		70		81		70.2	
Beryllium	(Be), total.....	1.00		0.7	J	0.9	J	1.00	U
Calcium	(Ca), total.....	312000.0		5680		7690		4180	
Cadmium	(Cd), total.....	1.0	U	1.00	U	1.00	U	1.0	U
Cobalt	(Co), total.....	11.2		10.00	U	10.00	U	4.0	U
Chromium	(Cr), total.....	24.4		7.8		10		13.8	
Cesium	(Cs), total.....			NR		NR			
Copper	(Cu), total.....	13.4		11		16		12.2	
Iron	(Fe), total.....	19600		19400		28300		13400	
Mercury	(Hg), total.....	0.1	U	0.1	U	0.08	U	0.1	U
Potassium	(K), total.....	1804		648	J	788	J	1208	
Lithium	(Li), total.....	15.2						10.0	U
Magnesuim	(Mg), total.....	5890		2000		2460		2310	
Manganese	(Mn), total.....	380.0		101		123		68.8	
Molybdenum	(Mo), total.....	NR		NR		NR		NR	
Sodium	(Na), total.....	654.0		814	J	1090		448.0	
Nickel	(Ni), total.....	20.6		8.00	U	8.00	U	11.0	
Lead	(Pb), total.....	15.0		11		14		19.8	
Antimony	(Sb), total.....	4.0	U	12.00	U	12.00	U	4.0	U
Selenium	(Se), total.....	1	U	1.1	U	1.00	U	1	U
Strontium	(Sr), total.....	106.0		78		78		77.4	
Thallium	(Tl), total.....	2	U	2.00	U	2.00	U	2	U
Vanadium	(V), total.....	43.8		17		38		26.0	
Zinc	(Zn), total.....	53.8		30		56		59.4	

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8705-051-008	8705-051-007	8705-051-003	8705-051-005
Customer ID:	8H03870009	8H038702WT	8H038709CT	8H038712BR
Matrix:	Soil	Soil	Soil	Soil
Units:	MG/KG	MG/KG	MG/KG	MG/KG

Metals

Silver (Ag), total.....	1.5 U	1.8 U	1.8 U	1.8 U
Aluminum (Al), total.....	17200	21200	17200	10800
Arsenic (As), total.....	14	14	10	12
Barium (Ba), total.....	140	147	99	62
Beryllium (Be), total.....	0.9	0.9	0.7	0.6
Calcium (Ca), total.....	8580	13600	66700	16300
Cadmium (Cd), total.....	4.7	4.5	4.0	2.8
Cobalt (Co), total.....	8.7	8.9	11	5.0
Chromium (Cr), total.....	19	22	14	11
Cesium (Cs), total.....				
Copper (Cu), total.....	10	12	8.8	13
Iron (Fe), total.....	18300	22800	13400	5780
Mercury (Hg), total.....	0.12	0.12	0.23	0.19
Potassium (K), total.....	1600	3040	1000	1140
Lithium (Li), total.....	38 U	46 U	47 U	47 U
Magnesuim (Mg), total.....	4220	6330	3600	3000
Manganese (Mn), total.....	283	496	116	43
Molybdenum(Mo), total.....				
Sodium (Na), total.....	788	941	547	519
Nickel (Ni), total.....	15	18	21	11
Lead (Pb), total.....	11	9.4	12	14
Antimony (Sb), total.....	8.9 U	11 U	11 U	11 U
Selenium (Se), total.....	0.9 U	1.0 U	0.9 U	0.9 U
Strontium (Sr), total.....	63	66	129	90
Thallium (Tl), total.....	0.9 U	1.0 U	0.9 U	0.9 U
Vanadium (V), total.....	40	44	39	22
Zinc (Zn), total.....	46	53	50	31

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-024-0060		8706-024-0080		8706-024-0040		8706-024-0020	
Customer ID:	BH04870610		BH048710WT		BH048715CT		BH0487198R	
Matrix:	Soil		Soil		Soil		Soil	
Units:	MG/KG		MG/KG		MG/KG		MG/KG	
Metals								
Silver (Ag), total.....	2.00	U	2.00	U	2.00	U	2.00	U
Aluminum (Al), total.....	9320		10300		7650		9380	
Arsenic (As), total.....	24		17		16		18	
Barium (Ba), total.....	47		85		36	J	151	
Beryllium (Be), total.....	1.0		1.1		0.6	J	0.8	J
Calcium (Ca), total.....	2920		2980		1790		4250	
Cadmium (Cd), total.....	1.4		1.5		1.5		1.9	
Cobalt (Co), total.....	10.00	U	4.3	J	10.00	U	10	
Chromium (Cr), total.....	9.0		9.8		7.8		7.8	
Cesium (Cs), total.....	NR		NR		NR		NR	
Copper (Cu), total.....	9.1		8.3		7.3		22	
Iron (Fe), total.....	12600		14200		11300		14600	
Mercury (Hg), total.....	0.24		0.08	U	0.20		0.23	
Potassium (K), total.....	510	J	952	J	882	J	819	J
Lithium (Li), total.....								
Magnesuim (Mg), total.....	1910		2650		1930		2490	
Manganese (Mn), total.....	101		434		96		438	
Molybdenum(Mo), total.....	NR		NR		NR		NR	
Sodium (Na), total.....	464	J	722	J	444	J	597	J
Nickel (Ni), total.....	6.9	J	10		5.8	J	16	
Lead (Pb), total.....	8.3		7.7		5.2		17	
Antimony (Sb), total.....	21		24		12.00	U	21	
Selenium (Se), total.....	1.00	U	1.00	U	1.00	U	1.00	U
Strontium (Sr), total.....	18	J	31		17	J	58	
Thallium (Tl), total.....	2.00	U	2.00	U	2.00	U	2.00	U
Vanadium (V), total.....	25		22		18		26	
Zinc (Zn), total.....	19		20		20		84	

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8705-051-015	8705-051-016	8705-051-014	8705-051-009
Customer ID:	8H05870005	8H058705CT	8H058708BR	8H06870010
Matrix:	Soil	Soil	Soil	Soil
Units:	MG/KG	MG/KG	MG/KG	MG/KG

Metals

Silver (Ag), total.....	1.6 U	1.6 U	1.6 U	1.7 U
Aluminum (Al), total.....	12700	12100	11600	16600
Arsenic (As), total.....	8.6	7.7	8.7	11
Barium (Ba), total.....	112	122	103	111
Beryllium (Be), total.....	0.6	0.6	0.7	0.8
Calcium (Ca), total.....	5040	10600	5250	7260
Cadmium (Cd), total.....	3.4	3.6	3.1	4.2
Cobalt (Co), total.....	9.1	13	17	9.2
Chromium (Cr), total.....	11	9.9	13	17
Cesium (Cs), total.....				
Copper (Cu), total.....	10	10	12	9.8
Iron (Fe), total.....	16500	13900	10100	17900
Mercury (Hg), total.....	0.10 U	0.17	0.18	0.12
Potassium (K), total.....	854	1030	1040	2120
Lithium (Li), total.....	41 U	41 U	42 U	42 U
Magnesuim (Mg), total.....	3220	3180	2470	3860
Manganese (Mn), total.....	144	528	557	337
Molybdenum(Mo), total.....				
Sodium (Na), total.....	691	683	572	782
Nickel (Ni), total.....	14	18	20	16
Lead (Pb), total.....	9.6	10	9.7	12
Antimony (Sb), total.....	9.8 U	9.8 U	9.9 U	10 U
Selenium (Se), total.....	1.0 U	1.0 U	1.0 U	1.0 U
Strontium (Sr), total.....	41	41	75	42
Thallium (Tl), total.....	1.0 U	1.0 U	1.0 U	1.0 U
Vanadium (V), total.....	21	22	26	36
Zinc (Zn), total.....	47	43	51	52

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8705-051-011		8705-051-013		8705-051-012		8705-057-0060	
Customer ID:	BH06871020		BH068726CT		BH068730BR		BH07870510	
Matrix:	Soil		Soil		Soil		Soil	
Units:	MG/KG		MG/KG		MG/KG		MG/KG	
Metals								
Silver (Ag), total.....	1.5	U	1.6	U	1.6	U	2.00	U
Aluminum (Al), total.....	15200		15300		6720		8750	
Arsenic (As), total.....	8.6		12		5.8		9.1	
Barium (Ba), total.....	165		59		56		124	
Beryllium (Be), total.....	0.9		0.8		0.6		0.6	J
Calcium (Ca), total.....	8270		3000		4440		4920	
Cadmium (Cd), total.....	4.8		3.5		3.4		1.00	U
Cobalt (Co), total.....	12		9.8		11		10.00	U
Chromium (Cr), total.....	20		12		9.0		8.5	
Cesium (Cs), total.....							NR	
Copper (Cu), total.....	20		5.8		23		14	
Iron (Fe), total.....	20000		13800		20600		6720	
Mercury (Hg), total.....	2.07		0.10	U	0.33		0.1	U
Potassium (K), total.....	2170		1300		643		765	J
Lithium (Li), total.....	39	U	40	U	42	U		
Magnesuim (Mg), total.....	5290		2880		2080		2020	
Manganese (Mn), total.....	563		128		163		291	
Molybdenum(Mo), total.....							NR	
Sodium (Na), total.....	900		666		918		556	J
Nickel (Ni), total.....	18		15		24		8.00	U
Lead (Pb), total.....	6.7		6.6		10		14	
Antimony (Sb), total.....	9.4	U	9.4	U	9.8	U	12.00	U
Selenium (Se), total.....	0.9	U	0.9	U	1.0	U	1.00	U
Strontium (Sr), total.....	49		28		59		56	
Thallium (Tl), total.....	0.9	U	0.9	U	1.0	U	2.00	U
Vanadium (V), total.....	38		25		25		15	
Zinc (Zn), total.....	49		27		93		36	

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8705-057-0080	8705-057-0020	8705-057-0090	8705-057-0040
Customer ID:	BH078705CT	BH0787088R	BH07871013	BH078710WS
Matrix:	Soil	Soil	Soil	Soil
Units:	MG/KG	MG/KG	MG/KG	MG/KG

Metals

Silver (Ag), total.....	2.00 U	2.00 U	2.00 U	2.00 U
Aluminum (Al), total.....	13800	9280	6360	8650
Arsenic (As), total.....	7.9	9.1	6.1	4.3
Barium (Ba), total.....	69	56	70	73
Beryllium (Be), total.....	0.9 J	0.5 J	0.9 J	0.5 J
Calcium (Ca), total.....	2280	4600	3990	5000
Cadmium (Cd), total.....	1.00 U	1.9	1.00 U	1.00 U
Cobalt (Co), total.....	10.00 U	10.00 U	10.00 U	10.00 U
Chromium (Cr), total.....	16	8.2	4.6	6.2
Cesium (Cs), total.....	NR	NR	NR	NR
Copper (Cu), total.....	6.8	9.2	12	16
Iron (Fe), total.....	14800	8560	2460	3560
Mercury (Hg), total.....	0.1 U	0.09 U	0.09 U	0.1 U
Potassium (K), total.....	605 J	873 J	402 J	692 J
Lithium (Li), total.....				
Magnesuim (Mg), total.....	1810	2330	1160	1840
Manganese (Mn), total.....	372	219	250	142
Molybdenum(Mo), total.....	NR	NR	NR	NR
Sodium (Na), total.....	574 J	579 J	367 J	456 J
Nickel (Ni), total.....	8.00 U	4.5 J	8.00 U	8.00 U
Lead (Pb), total.....	3.4	16	8.0	7.7
Antimony (Sb), total.....	12.00 U	12.00 U	12.00 U	12.00 U
Selenium (Se), total.....	1.00 U	1.00 U	1.00 U	1.00 U
Strontium (Sr), total.....	21	42	51	70
Thallium (Tl), total.....	2.00 U	2.00 U	2.00 U	2.00 U
Vanadium (V), total.....	22	13	11	10
Zinc (Zn), total.....	8.4	59	12	23

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-014-0040	8706-014-0080	8706-014-0160	8706-002-0060
Customer ID:	BH08870007	BH088707CT	BH088710BR	BH09870010
Matrix:	Soil	Soil	Soil	Soil
Units:	MG/KG	MG/KG	MG/KG	MG/KG

Metals

Silver (Ag), total.....	2.00 U	2.00 U	2.00 U	2.00 U
Aluminum (Al), total.....	17600	11800	20800	8430
Arsenic (As), total.....	12	6.5	9.8	4.1
Barium (Ba), total.....	76	43	78	88
Beryllium (Be), total.....	0.7 J	0.9 J	1.4	0.7 J
Calcium (Ca), total.....	2194	11000	4640	6590
Cadmium (Cd), total.....	4.3	2.1	4.1	1.00 U
Cobalt (Co), total.....	10.00 U	10	6.1 J	10.00 U
Chromium (Cr), total.....	14	11	20	9.7
Cesium (Cs), total.....	NR	NR	NR	NR
Copper (Cu), total.....	8.0	11	19	10
Iron (Fe), total.....	14100	14600	13500	11000
Mercury (Hg), total.....	0.27	0.09 U	0.29	0.1 U
Potassium (K), total.....	1550	1140	1780	983 J
Lithium (Li), total.....				
Magnesuim (Mg), total.....	2490	2680	3230	2360
Manganese (Mn), total.....	115	180	34	137
Molybdenum(Mo), total.....	NR	NR	NR	NR
Sodium (Na), total.....	736 J	1640	1570	504 J
Nickel (Ni), total.....	7.5 J	14	16	8.00 U
Lead (Pb), total.....	5.3	9.6	21	13
Antimony (Sb), total.....	12.00 U	12.00 U	12.00 U	12.00 U
Selenium (Se), total.....	1.00 U	1.00 U	1.00 U	1.00 U
Strontium (Sr), total.....	21	58	85	55
Thallium (Tl), total.....	2.00 U	2.00 U	2.00 U	2.00 U
Vanadium (V), total.....	28	33	49	21
Zinc (Zn), total.....	28	46	108	46

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-002-0040	3122-471-009	8706-002-0020	8706-005-0060
Customer ID:	BH098706WT	BH098711CT	BH0987148R	BH10870010
Matrix:	Soil	Soil	Soil	Soil
Units:	MG/KG	MG/KG	MG/KG	MG/KG

Metals

Silver (Ag), total.....	2.00 U	0.4 U	2.00 U	2.00 U
Aluminum (Al), total.....	18600	6880	8860	11900
Arsenic (As), total.....	15	2.2	11	11
Barium (Ba), total.....	128	213.0	66	97
Beryllium (Be), total.....	0.9 J	1.00	0.7 J	0.6 J
Calcium (Ca), total.....	3980	5180	4280	70800
Cadmium (Cd), total.....	1.00 U	1.0 U	1.00 U	1.7
Cobalt (Co), total.....	10.00 U	4.0 U	3.8 J	10.00 U
Chromium (Cr), total.....	16	3.20	9.0	10
Cesium (Cs), total.....	NR		NR	NR
Copper (Cu), total.....	7.7	23.2	13	7.4
Iron (Fe), total.....	17500	2220	8370	11200
Mercury (Hg), total.....	0.1 U	0.1 U	0.13	0.22
Potassium (K), total.....	1520	796	900 J	1510
Lithium (Li), total.....		10.0 U		
Magnesuim (Mg), total.....	2440	1550	2020	2660
Manganese (Mn), total.....	169	12.0	105	160
Molybdenum(Mo), total.....	NR	NR	NR	NR
Sodium (Na), total.....	709 J	484.0	405 J	466 J
Nickel (Ni), total.....	8.00 U	4.0 U	8.00 U	3.5 J
Lead (Pb), total.....	7.9	17.6	14	11
Antimony (Sb), total.....	12.00 U	4.0 U	12.00 U	12.00 U
Selenium (Se), total.....	1.00 U	1 U	1.00 U	1.00 U
Strontium (Sr), total.....	34	60.0	70	86
Thallium (Tl), total.....	2.00 U	2 U	2.00 U	2.00 U
Vanadium (V), total.....	35	5.00	17	26
Zinc (Zn), total.....	38	27.0	62	30

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8706-005-0040	8706-005-0080	8706-005-0020	8706-010-0060
Customer ID:	BH10871020	BH108720CT	BH108723BR	BH11870010
Matrix:	Soil	Soil	Soil	Soil
Units:	MG/KG	MG/KG	MG/KG	MG/KG

Metals

Silver (Ag), total.....	2.00 U	2.00 U	2.00 U	2.00 U
Aluminum (Al), total.....	14400	9050	8310	9900
Arsenic (As), total.....	19	9.4	9.4	8.2
Barium (Ba), total.....	192	120	186	77
Beryllium (Be), total.....	1.0	0.7 J	0.8 J	0.7 J
Calcium (Ca), total.....	21600	26200	7710	5790
Cadmium (Cd), total.....	3.0	2.9	3.1	1.9
Cobalt (Co), total.....	9.4 J	5.6 J	12	6.6 J
Chromium (Cr), total.....	14	9.7	10	10
Cesium (Cs), total.....	NR	NR	NR	NR
Copper (Cu), total.....	13	12	17	9.3
Iron (Fe), total.....	12800	16100	23700	11200
Mercury (Hg), total.....	0.08	0.16	0.19	0.09 U
Potassium (K), total.....	917 J	813 J	1060	1270
Lithium (Li), total.....				
Magnesuim (Mg), total.....	3350	2630	2470	2090
Manganese (Mn), total.....	124	113	536	135
Molybdenum(Mo), total.....	NR	NR	NR	NR
Sodium (Na), total.....	603 J	760 J	1130	534 J
Nickel (Ni), total.....	21	18	25	7.4 J
Lead (Pb), total.....	10	10	10	24
Antimony (Sb), total.....	12.00 U	12.00 U	12.00 U	12.00 U
Selenium (Se), total.....	1.00 U	1.00 U	1.00 U	1.00 U
Strontium (Sr), total.....	82	78	73	34
Thallium (Tl), total.....	2.00 U	2.00 U	2.00 U	2.00 U
Vanadium (V), total.....	38	28	30	28
Zinc (Zn), total.....	52	51	100	38

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8706-010-0020		8706-010-0040		8705-059-0020		8705-059-0040	
Customer ID:	8H118711CT		8H118714WT		8H128702CT		8H128705BR	
Matrix:	Soil		Soil		Soil		Soil	
Units:	MG/KG		MG/KG		MG/KG		MG/KG	
Metals								
Silver (Ag), total.....	2.00	U	2.00	U	2.00	U	2.00	U
Aluminum (Al), total.....	15000		9750		17400		9230	
Arsenic (As), total.....	13		9.4		14		3.9	
Barium (Ba), total.....	127		76		134		258	
Beryllium (Be), total.....	0.8	J	1.9		1.00		0.6	J
Calcium (Ca), total.....	2770		6920		24800		3880	
Cadmium (Cd), total.....	3.4		6.6		1.00	U	1.00	U
Cobalt (Co), total.....	6.2	J	36		10.00	U	10.00	U
Chromium (Cr), total.....	16		12		14		8.2	
Cesium (Cs), total.....	NR		NR		NR		NR	
Copper (Cu), total.....	9.1		9.9		12		17	
Iron (Fe), total.....	15400		67200		13000		13600	
Mercury (Hg), total.....	0.12		0.18		0.09	U	1.63	
Potassium (K), total.....	1760		944	J	1110		708	J
Lithium (Li), total.....								
Magnesuim (Mg), total.....	2460		2600		2730		1560	
Manganese (Mn), total.....	318		522		149		113	
Molybdenum(Mo), total.....	NR		NR		NR		NR	
Sodium (Na), total.....	617	J	2230		357	J	487	J
Nickel (Ni), total.....	11		71		8.00	U	8.00	U
Lead (Pb), total.....	9.4		12		17		14	
Antimony (Sb), total.....	12.00	U	12.00	U	12.00	U	12.00	U
Selenium (Se), total.....	1.1	U	1.00	U	1.00	U	1.00	U
Strontium (Sr), total.....	34		72		63		50	
Thallium (Tl), total.....	2.00	U	2.00	U	2.00	U	2.00	U
Vanadium (V), total.....	38		41		34		20	
Zinc (Zn), total.....	39		159		32		39	

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-004-0020	3122-471-004	8706-004-0040	3122-471-007
Customer ID:	8H13870010	8H138711CT	8H138714BR	8H148703W1
Matrix:	Soil	Soil	Soil	Soil
Units:	MG/KG	MG/KG	MG/KG	MG/KG

Metals

Silver	(Ag), total.....	2.00	U	0.4	U	2.00	U	0.4	U
Aluminum	(Al), total.....	10900	U	13400		7850		21000	
Arsenic	(As), total.....	12		7.79		6.5		6.61	
Barium	(Ba), total.....	124		811.0		231		294.0	
Beryllium	(Be), total.....	0.7	J	1.00	U	0.5	J	1.20	
Calcium	(Ca), total.....	56400		104000.0		4540		7870	
Cadmium	(Cd), total.....	2.7		1.0	U	4.1		6.40	
Cobalt	(Co), total.....	8.3	J	4.0	U	5.7	J	10.6	
Chromium	(Cr), total.....	7.4		15.6		9.8		27.8	
Cesium	(Cs), total.....	NR				NR			
Copper	(Cu), total.....	5.6		12.2		8.9		19.6	
Iron	(Fe), total.....	10200		12300		33600		23100	
Mercury	(Hg), total.....	0.18		0.1	U	0.1	U	0.1	U
Potassium	(K), total.....	459	J	1052		784	J	2174	
Lithium	(Li), total.....			10.8				18.4	
Magnesuim	(Mg), total.....	3680		5000		2170		6090	
Manganese	(Mn), total.....	116		159.0		533		459.0	
Molybdenum	(Mo), total.....	NR		NR		NR		NR	
Sodium	(Na), total.....	547	J	598.0		1100		308.0	
Nickel	(Ni), total.....	12		14.4		12		24.8	
Lead	(Pb), total.....	9.5		17.1		11		17.6	
Antimony	(Sb), total.....	12.00	U	4.0	U	12.00	U	4.0	U
Selenium	(Se), total.....	1.00	U	1	U	1.00	U	1	U
Strontium	(Sr), total.....	135		178.0		138		52.2	
Thallium	(Tl), total.....	2.00	U	2	U	2.00	U	2	U
Vanadium	(V), total.....	25		41.6		21		42.0	
Zinc	(Zn), total.....	34		60.2		43		63.2	

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	3122-471-003	3122-471-002	3122-471-008	8706-014-0140
Customer ID:	BH148706CT	BH148708W2	BH1487098R	BH15870005
Matrix:	Soil	Soil	Soil	Soil
Units:	MG/KG	MG/KG	MG/KG	MG/KG

Metals

Silver	(Ag), total.....	0.4	U	0.4	U	0.4	U	2.00	U
Aluminum	(Al), total.....	11400		13600		7160		16900	
Arsenic	(As), total.....	7.71		8.77		3.88		12	
Barium	(Ba), total.....	68.6		134.0		59.4		96	
Beryllium	(Be), total.....	1.00	U	1.00	U	1.00	U	0.9	J
Calcium	(Ca), total.....	6760		7460		5200		4110	
Cadmium	(Cd), total.....	1.0	U	1.0	U	9.00		3.5	
Cobalt	(Co), total.....	7.00		7.20		4.0	U	8.6	J
Chromium	(Cr), total.....	16.6		18.2		10.0		13	
Cesium	(Cs), total.....							NR	
Copper	(Cu), total.....	16.2		21.2		12.6		13	
Iron	(Fe), total.....	17300		13300		43300		16700	
Mercury	(Hg), total.....	0.1	U	0.1	U	0.1	U	0.60	
Potassium	(K), total.....	1172		1506		1006		1260	
Lithium	(Li), total.....	10.0	U	13.2		11.4			
Magnesuim	(Mg), total.....	3060		3600		2160		3330	
Manganese	(Mn), total.....	235.0		164.0		211.0		161	
Molybdenum	(Mo), total.....	NR		NR		NR		NR	
Sodium	(Na), total.....	262.0		586.0		420.0		810	J
Nickel	(Ni), total.....	17.4		20.4		7.60		13	
Lead	(Pb), total.....	6.33		18.8		18.1		6.5	
Antimony	(Sb), total.....	4.0	U	4.0	U	4.0	U	12.00	U
Selenium	(Se), total.....	1	U	1	U	1	U	1.00	U
Strontium	(Sr), total.....	29.8		103.0		61.8		52	
Thallium	(Tl), total.....	2	U	2	U	2	U	2.00	U
Vanadium	(V), total.....	39.0		29.6		35.8		31	
Zinc	(Zn), total.....	14.4		120.0		45.0		66	

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-014-0180	8706-014-0120	8706-010-0120	8706-010-0100
Customer ID:	8H15870510	8H158726BR	8H16870206	8H168702CT
Matrix:	Soil	Soil	Soil	Soil
Units:	MG/KG	MG/KG	MG/KG	MG/KG

Metals

Silver (Ag), total.....	2.00 U	2.00 U	2.00 U	2.00 U
Aluminum (Al), total.....	15300	15800	7540	8120
Arsenic (As), total.....	7.6	8.3	10	11
Barium (Ba), total.....	187	76	35 J	75
Beryllium (Be), total.....	0.9 J	1.00 U	0.6 J	0.6 J
Calcium (Ca), total.....	6910	4540	12700	3020
Cadmium (Cd), total.....	3.2	2.9	1.6	1.8
Cobalt (Co), total.....	5.0 J	21	10.00 U	4.3 J
Chromium (Cr), total.....	12	15	5.8	10
Cesium (Cs), total.....	NR	NR	NR	NR
Copper (Cu), total.....	10	16	15	8.5
Iron (Fe), total.....	11300	18800	7010	9390
Mercury (Hg), total.....	0.15	0.58	0.14	0.14
Potassium (K), total.....	1240	1350	624 J	1820
Lithium (Li), total.....				
Magnesuim (Mg), total.....	3240	2980	1800	1620
Manganese (Mn), total.....	88	165	9.8	202
Molybdenum(Mo), total.....	NR	NR	NR	NR
Sodium (Na), total.....	890 J	810 J	435 J	392 J
Nickel (Ni), total.....	8.3	48	7.1 J	5.5 J
Lead (Pb), total.....	14	13	12	10
Antimony (Sb), total.....	12.00 U	12.00 U	12.00 U	12.00 U
Selenium (Se), total.....	1.00 U	1.00 U	1.00 U	1.00 U
Strontium (Sr), total.....	53	63	53	23
Thallium (Tl), total.....	2.00 U	2.00 U	2.00 U	2.00 U
Vanadium (V), total.....	31	37	16	26
Zinc (Zn), total.....	55	102	39	35

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8706-010-0080	8706-014-0100	8706-014-0060	8706-014-0020
Customer ID:	BH168706BR	BH17870005	BH178705CT	BH178708BR
Matrix:	Soil	Soil	Soil	Soil
Units:	MG/KG	MG/KG	MG/KG	MG/KG

Metals

Silver	(Ag), total.....	2.00	U	2.00	U	2.1	U	2.1	U
Aluminum	(Al), total.....	6580		13400		21300		22000	
Arsenic	(As), total.....	9.4		10		12		8.7	
Barium	(Ba), total.....	49		87		63		85	
Beryllium	(Be), total.....	0.7	J	0.9	J	1.3		1.0	
Calcium	(Ca), total.....	5320		3240		3950		6010	
Cadmium	(Cd), total.....	1.0		3.8		5.9		4.1	
Cobalt	(Co), total.....	4.2	J	7.2	J	6.9	J	10.00	U
Chromium	(Cr), total.....	5.3		14		18		19	
Cesium	(Cs), total.....	NR		NR		NR		NR	
Copper	(Cu), total.....	16		9.8		11		9.3	
Iron	(Fe), total.....	3100		28700		26600		11500	
Mercury	(Hg), total.....	0.32		0.26		0.12		0.32	
Potassium	(K), total.....	688	J	1260		1910		1690	
Lithium	(Li), total.....								
Magnesuim	(Mg), total.....	1610		2480		3470		3000	
Manganese	(Mn), total.....	101		179		335		26	
Molybdenum	(Mo), total.....	NR		NR		NR		NR	
Sodium	(Na), total.....	417	J	1030		1390		674	J
Nickel	(Ni), total.....	9.8		22		19		4.1	J
Lead	(Pb), total.....	22		13		12		16	
Antimony	(Sb), total.....	12.00	U	12.00	U	12.00	U	12.00	U
Selenium	(Se), total.....	1.00	U	1.00	U	1.1	U	1.00	U
Strontium	(Sr), total.....	57		42		49		78	
Thallium	(Tl), total.....	2.00	U	2.00	U	2.1	U	2.00	U
Vanadium	(V), total.....	15		39		49		42	
Zinc	(Zn), total.....	50		66		61		39	

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8710-025-0010	8710-025-0020	8710-025-0030	8710-025-0040
Customer ID:	BH578704DH	BH578708DH	BH578710UC	BH578712CT
Matrix:	Soil	Soil	Soil	Soil
Units:	MG/KG	MG/KG	MG/KG	MG/KG

Metals

Silver	(Ag), total.....	2.00	U	2.00	U	2.00	U	2.00	U
Aluminum	(Al), total.....	16600		8050		11100		15400	
Arsenic	(As), total.....	3.0		3.9		7.5		5.0	
Barium	(Ba), total.....	319		62.5		40.00	U	116	
Beryllium	(Be), total.....	1.00	U	1.00	U	1.00	U	1.00	U
Calcium	(Ca), total.....	7460		6560		3950		10300	
Cadmium	(Cd), total.....	2.1		1.00	U	2.4		2.1	
Cobalt	(Co), total.....	12.4		12		11.8		13.1	
Chromium	(Cr), total.....	15.7		2.9		5.4		11.2	
Cesium	(Cs), total.....	NR		NR		NR		NR	
Copper	(Cu), total.....	7.6		7.9		8.6		7.6	
Iron	(Fe), total.....	17600		3060		26600		11400	
Mercury	(Hg), total.....	0.1	U	0.1	U	0.1	U	0.1	U
Potassium	(K), total.....	2250		1000.00	U	1000.00	U	1380	
Lithium	(Li), total.....								
Magnesuim	(Mg), total.....	5940		1900		2440		3000	
Manganese	(Mn), total.....	155		116		98.6		43.6	
Molybdenum	(Mo), total.....	NR		NR		NR		NR	
Sodium	(Na), total.....	1000.00	U	1000.00	U	1000.00	U	1000.00	U
Nickel	(Ni), total.....	10.7		8.00	U	8.00	U	8.00	U
Lead	(Pb), total.....	13.2		9.8		15.9		17	
Antimony	(Sb), total.....	12.00	U	12.00	U	12.00	U	12.00	U
Selenium	(Se), total.....	1.00	U	1.00	U	1.00	U	1.00	U
Strontium	(Sr), total.....	61.6		71		38.9		83.9	
Thallium	(Tl), total.....	2.00	U	2.00	U	2.00	U	2.00	U
Vanadium	(V), total.....	39.4		26.2		51.6		39	
Zinc	(Zn), total.....	56.9		37.2		77.2		52.7	

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8710-032-0010	8710-032-0020	8710-032-0030	8710-032-0040
Customer ID:	8H578714BR	8H578716DH	8H578718DH	8H578720DH
Matrix:	Soil	Soil	Soil	Soil
Units:	MG/KG	MG/KG	MG/KG	MG/KG

Metals

Silver (Ag), total.....	2.00 U	2.00 U	2.00 U	2.00 U
Aluminum (Al), total.....	11300	9360	7950	9140
Arsenic (As), total.....	2.8	4.2	5.1	2.00 U
Barium (Ba), total.....	158	108	71.8	78
Beryllium (Be), total.....	1.1	1.3	1.00 U	1.00 U
Calcium (Ca), total.....	6330	6600	3830	4370
Cadmium (Cd), total.....	3.0	2.8	2.0	2.1
Cobalt (Co), total.....	10.00 U	16.2	10.00 U	10.00 U
Chromium (Cr), total.....	8.4	11.4	7.6	9.0
Cesium (Cs), total.....	NR	NR	NR	NR
Copper (Cu), total.....	24.4	29.8	9.8	13.3
Iron (Fe), total.....	14600	6910	7300	7820
Mercury (Hg), total.....	0.1 U	0.1 U	0.1 U	0.1 U
Potassium (K), total.....	1000.00 U	1410	1000.00 U	1360
Lithium (Li), total.....				
Magnesuim (Mg), total.....	2670	3350	2460	2750
Manganese (Mn), total.....	95.7	120	60.3	62.2
Molybdenum(Mo), total.....	NR	NR	NR	NR
Sodium (Na), total.....	1000.00 U	1000.00 U	1000.00 U	1000.00 U
Nickel (Ni), total.....	9.0	28.8	9.3	8.00 U
Lead (Pb), total.....	22.1	20	10.9	15.4
Antimony (Sb), total.....	12.00 U	12.00 U	12.00 U	12.00 U
Selenium (Se), total.....	1.00 U	1.00 U	1.00 U	1.00 U
Strontium (Sr), total.....	149	108	67.9	83.1
Thallium (Tl), total.....	2.00 U	2.00 U	2.00 U	2.00 U
Vanadium (V), total.....	23.8	34.7	15.6	17.9
Zinc (Zn), total.....	67.9	138	66.7	52.6

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8710-032-0050		8710-032-0060		8710-032-0070		8710-032-0080	
Customer ID:	BH578722DH		BH578724DH		BH578726DH		BH578728DH	
Matrix:	Soil		Soil		Soil		Soil	
Units:	MG/KG		MG/KG		MG/KG		MG/KG	
Metals								
Silver (Ag), total.....	2.00	U	2.00	U	2.00	U	2.00	U
Aluminum (Al), total.....	9440		10800		9180		8810	
Arsenic (As), total.....	2.00	U	2.00	U	4.5		3.6	
Barium (Ba), total.....	64		79.7		80		74.9	
Beryllium (Be), total.....	1.00	U	1.7		1.00	U	1.00	U
Calcium (Ca), total.....	4920		5830		5360		5280	
Cadmium (Cd), total.....	2.6		6.6		2.4		2.6	
Cobalt (Co), total.....	10.00	U	33.1		10.00	U	10.00	U
Chromium (Cr), total.....	10.7		14.8		8.6		5.3	
Cesium (Cs), total.....	NR		NR		NR		NR	
Copper (Cu), total.....	21.7		25.4		22.6		23	
Iron (Fe), total.....	11800		57700		16100		12600	
Mercury (Hg), total.....	0.1	U	0.1	U	0.1	U	0.1	U
Potassium (K), total.....	1400		1500		1430		1180	
Lithium (Li), total.....								
Magnesuim (Mg), total.....	3360		3690		3380		2890	
Manganese (Mn), total.....	61.7		429		89.5		85.8	
Molybdenum(Mo), total.....	NR		NR		NR		NR	
Sodium (Na), total.....	1000.00	U	1890		1000.00	U	1000.00	U
Nickel (Ni), total.....	14		63.2		15.4		18	
Lead (Pb), total.....	13.2		11		20		12.8	
Antimony (Sb), total.....	12.00	U	12.00	U	12.00	U	12.00	U
Selenium (Se), total.....	1.00	U	1.00	U	1.00	U	1.00	U
Strontium (Sr), total.....	85.4		92.2		95.5		91.1	
Thallium (Tl), total.....	2.00	U	2.00	U	2.00	U	2.00	U
Vanadium (V), total.....	17.8		40.7		28		22.6	
Zinc (Zn), total.....	72.5		135		87.1		93.4	

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8710-032-0090		8710-032-0100		8710-032-0110		8710-016-0010	
Customer ID:	BH588700UC		BH588702CT		BH588704BR		BH598704UC	
Matrix:	Soil		Soil		Soil		Soil	
Units:	MG/KG		MG/KG		MG/KG		MG/KG	
Metals								
Silver (Ag), total.....	2.00	U	2.00	U	2.00	U	2.00	U
Aluminum (Al), total.....	13500		6370		7660		13000	
Arsenic (As), total.....	2.00	U	2.00	U	2.00	U	5.0	
Barium (Ba), total.....	140		40.00	U	62.7		349	
Beryllium (Be), total.....	1.2		1.00	U	1.00	U	1.2	
Calcium (Ca), total.....	10900		4910		5560		18800	
Cadmium (Cd), total.....	3.5		1.6		1.2		1.8	
Cobalt (Co), total.....	12.8		10.00	U	10.00	U	10.00	U
Chromium (Cr), total.....	10.9		2.00	U	5.7		10.9	
Cesium (Cs), total.....	NR		NR				NR	
Copper (Cu), total.....	13.1		8.4		24.2		13	
Iron (Fe), total.....	21700		8420		5300		7850	
Mercury (Hg), total.....	0.1	U	0.32		0.1	U	0.1	U
Potassium (K), total.....	1000.00	U	1000.00	U	1000.00	U	1010	
Lithium (Li), total.....								
Magnesuim (Mg), total.....	3270		1680		2000		2480	
Manganese (Mn), total.....	220		28.8		25.1		175	
Molybdenum(Mo), total.....	NR		NR				NR	
Sodium (Na), total.....	1100		1000.00	U	1000.00	U	1000.00	U
Nickel (Ni), total.....	18.7		8.00	U	8.00	U	9.0	
Lead (Pb), total.....	15.2		13.8		12		20.2	
Antimony (Sb), total.....	12.00	U	12.00	U	12.00	U	12.00	U
Selenium (Se), total.....	1.00	U	1.00	U	1.00	U	1.00	U
Strontium (Sr), total.....	65.6		57.4		72.8		93.3	
Thallium (Tl), total.....	2.00	U	2.00	U	2.00	U	2.00	U
Vanadium (V), total.....	41.80		22.9		20.1		38.7	
Zinc (Zn), total.....	84.1		38.8		40.8		53	

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8710-016-0020	8710-016-0030	8710-040-0010	8710-051-004
Customer ID:	BH598707CT	BH5987098R	BH618707DH	BH618709CT
Matrix:	Soil	Soil	Soil	Soil
Units:	MG/KG	MG/KG	MG/KG	MG/KG

Metals

Silver (Ag), total.....	2.00 U	2.00 U	2.00 U	2.00 U
Aluminum (Al), total.....	19600	6190	10600	6530
Arsenic (As), total.....	2.00 U	9.9	2.9	5.6
Barium (Ba), total.....	347	224	86	205
Beryllium (Be), total.....	1.1	1.00 U	1.00 U	1.00 U
Calcium (Ca), total.....	5800	4500	73900	29800
Cadmium (Cd), total.....	4.3	1.4	2.0	1.8
Cobalt (Co), total.....	15.1	16.6	10.00 U	13.1
Chromium (Cr), total.....	24.2	2.00 U	8.8	6.1
Cesium (Cs), total.....	NR	NR	NR	NR
Copper (Cu), total.....	18.4	6.4	10.3	9.4
Iron (Fe), total.....	25200	11200	8810	16400
Mercury (Hg), total.....	0.1 U	0.1 U	0.1 U	0.57
Potassium (K), total.....	2050	1000.00 U	1000.00 U	1000.00 U
Lithium (Li), total.....				
Magnesuim (Mg), total.....	6490	1720	4490	3760
Manganese (Mn), total.....	414	133	113	321
Molybdenum(Mo), total.....	NR		NR	NR
Sodium (Na), total.....	1000.00 U	1000.00 U	1000.00 U	1000.00 U
Nickel (Ni), total.....	16.6	16	8.4	18.3
Lead (Pb), total.....	17.4	20.7	9.2	6.4
Antimony (Sb), total.....	12.00 U	12.00 U	12.00 U	12.00 U
Selenium (Se), total.....	1.00 U	1.00 U	1.00 U	1.00 U
Strontium (Sr), total.....	59.6	47.4	209	127
Thallium (Tl), total.....	2.00 U	2.00 U	2.00 U	2.00 U
Vanadium (V), total.....	49.4	19.1	28	16.8
Zinc (Zn), total.....	66.7	81.2	43.3	41.4

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8710-051-005		8710-073-001		8710-073-005		8710-073-004	
Customer ID:	BH6187128R		BH62870008		BH628702DH		BH6287148R	
Matrix:	Soil		Soil		Soil		Soil	
Units:	MG/KG		UG/KG		UG/KG		UG/KG	
Metals								
Silver (Ag), total.....	2.00	U	2.00	U	2.00	U	2.00	U
Aluminum (Al), total.....	3500		10100		6950		6030	
Arsenic (As), total.....	3.9		10.1		6.4		7.5	
Barium (Ba), total.....	40.00	U	80.4		124		38.7	
Beryllium (Be), total.....	1.00	U	1.00	U	1.00	U	1.00	U
Calcium (Ca), total.....	21900		7860		2160		3120	
Cadmium (Cd), total.....	1.00	U	1.8		1.7		1.3	
Cobalt (Co), total.....	10.00	U	10.00	U	10.00	U	10.00	U
Chromium (Cr), total.....	4.5		10.4		9.0		7.4	
Cesium (Cs), total.....	NR		NR		NR		NR	
Copper (Cu), total.....	5.4		16.5		10.5		14.5	
Iron (Fe), total.....	10400		12400		12700		2540	
Mercury (Hg), total.....	0.16		0.15		0.10		0.14	
Potassium (K), total.....	1000.00	U	1000.00	U	1530		1000.00	U
Lithium (Li), total.....								
Magnesuim (Mg), total.....	3430		2100		1850		1150	
Manganese (Mn), total.....	106		132		558		94.9	
Molybdenum(Mo), total.....	NR		NR		NR		NR	
Sodium (Na), total.....	1000.00	U	1000.00	U	1000.00	U	1000.00	U
Nickel (Ni), total.....	8.00	U	11.9		9.2		13.6	
Lead (Pb), total.....	5.8		11.1		6.4		14.4	
Antimony (Sb), total.....	12.00	U	12.00	U	12.00	U	12.00	U
Selenium (Se), total.....	1.00	U	1.00	U	1.00	U	1.00	U
Strontium (Sr), total.....	66		43.5		20.0	U	44.2	
Thallium (Tl), total.....	2.00	U	2.00	U	2.0	U	2.00	U
Vanadium (V), total.....	10.2		20.6		18.3		18.9	
Zinc (Zn), total.....	27.2		37.4		33.6		55.5	

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8710-056-001	8710-056-002	8710-063-003	8710-063-004
Customer ID:	BH63870008	BH638712DH	BH638718UC	BH638722CT
Matrix:	Soil	Soil	Soil	Soil
Units:	UG/KG	UG/KG	UG/KG	UG/KG

Metals

Silver (Ag), total.....	2.00 U	2.00 U	2.00 U	2.00 U
Aluminum (Al), total.....	17100	7600	7800	5790
Arsenic (As), total.....	13.4	7.2	6.2	7.1
Barium (Ba), total.....	165	44.2	54.2	86.1
Beryllium (Be), total.....	1.1	1.00 U	1.0 U	1.00 U
Calcium (Ca), total.....	8580	1530	2810	3350
Cadmium (Cd), total.....	2.9	1.4	1.0 U	1.00 U
Cobalt (Co), total.....	10.00 U	10.00 U	10.0 U	10.0 U
Chromium (Cr), total.....	24.2	17.3	11.3	6.1
Cesium (Cs), total.....	NR	NR	NR	NR
Copper (Cu), total.....	17.5	10.2	8.6	8.9 U
Iron (Fe), total.....	21300	11500	7190	3800
Mercury (Hg), total.....	0.24	0.18	0.24	0.20
Potassium (K), total.....	1490	1000.00 U	1000.00 U	1000.00 U
Lithium (Li), total.....	ND	ND	ND	ND
Magnesuim (Mg), total.....	5720	1480	1660	1240
Manganese (Mn), total.....	185	128	183	25.7
Molybdenum(Mo), total.....	NR	NR	NR	NR
Sodium (Na), total.....	1430	1000.00 U	1000.00 U	1000.00 U
Nickel (Ni), total.....	20.2	11.4	8.0 U	8.00 U
Lead (Pb), total.....	14.2	4.5	7.7	35.2
Antimony (Sb), total.....	12.00 U	12.00 U	12.0 U	12.0 U
Selenium (Se), total.....	1.00 U	1.00 U	1.0 U	1.00 U
Strontium (Sr), total.....	63.5	20.00 U	22.1	59.6
Thallium (Tl), total.....	2.00 U	2.00 U	2.00 U	2.00 U
Vanadium (V), total.....	44	25.6	11.2	10.00 U
Zinc (Zn), total.....	52.9	17.8	33.6	28.7

881 HILLSIDE BOREHOLES
METALS
INORGANICS DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8710-063-005	8710-073-003
Customer ID:	BH6387248R	UH628712CT
Matrix:	Soil	Soil
Units:	UG/KG	UG/KG

Metals

Silver	(Ag), total.....	2.00	U	2.00	U
Aluminum	(Al), total.....	7890		6210	
Arsenic	(As), total.....	10.8		9.3	
Barium	(Ba), total.....	93.4		51.0	U
Beryllium	(Be), total.....	1.3		1.00	U
Calcium	(Ca), total.....	3960		3410	
Cadmium	(Cd), total.....	3.1		1.00	U
Cobalt	(Co), total.....	17.2		10.00	U
Chromium	(Cr), total.....	10.8		8.2	
Cesium	(Cs), total.....	NR		NR	
Copper	(Cu), total.....	27.0		17.4	
Iron	(Fe), total.....	38600		3850	
Mercury	(Hg), total.....	0.27		0.14	
Potassium	(K), total.....	1000.00	U	1000.00	U
Lithium	(Li), total.....	ND			
Magnesuim	(Mg), total.....	1920		1170	
Manganese	(Mn), total.....	448		29.2	
Molybdenum	(Mo), total.....	NR		NR	
Sodium	(Na), total.....	1260		1000.00	U
Nickel	(Ni), total.....	27.7		9.7	
Lead	(Pb), total.....	16.4		13.3	
Antimony	(Sb), total.....	12.00	U	12.00	U
Selenium	(Se), total.....	1.00	U	1.00	U
Strontium	(Sr), total.....	78.70		50.3	
Thallium	(Tl), total.....	2.00	U	2.00	U
Vanadium	(V), total.....	31.2		16.3	
Zinc	(Zn), total.....	185		55.7	

APPENDIX F-2

GROUND-WATER ANALYTICAL DATA
ALLUVIAL WELLS WEST OF PLANT

VOLATILE ORGANICS

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
0187-881-089	10-81-05-11-87	
0287-881-052	10-81-06-18-87	
0387-881-091	10-81-08-20-87	
8710-017-0020	47-86	02
0187-881-096	47-86-05-13-87	
0287-881-060	47-86-06-22-87	
0387-881-081	47-86-08-13-87	
0487-881-010	47-86-10-05-87	
0187-881-041	49-86-04-08-87	
0287-881-053	49-86-06-18-87	
0387-881-096	49-86-08-24-87	
0487-881-065	49-86-12-14-87	
0187-881-081	50-86-05-11-87	
0287-881-049	50-86-06-16-87	
0387-881-085	50-86-08-14-87	
0487-881-055	50-86-12-10-87	
0187-881-093	51-86-05-13-87	
0287-881-058	51-86-06-17-87	
0387-881-090	51-86-08-19-87	
0487-881-058	51-86-12-10-87	
8710-006-0070	55-86	07
0187-881-104	55-86-05-18-87	
0287-881-015	55-86-05-27-87	
0387-881-032	55-86-07-13-87	
0487-881-003	55-86-09-30-87	
0387-881-033	55-86DUP-07-13-87	
8710-006-0080	56-86	08
0187-881-108	56-86-05-19-87	
0287-881-013	56-86-05-27-87	
0387-881-035	56-86-07-14-87	
0487-881-004	56-86-09-30-87	
8608-014-001	G108108860	
8611-014-001	G478611860	
8611-014-006	G478611862	
8612-002-021	G498611860	
8611-004-021	G508610860	
8611-004-016	G508610862	
8611-014-016	G518611860	
8610-044-0210	G558610860	21
8610-011-06	G568610860	

ALLUVIAL WELLS WEST OF PLANT
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-089	0287-881-052	0387-881-091	8710-017-0020
Customer ID:	10-81-05-11-87	10-81-06-18-87	10-81-08-20-87	47-86
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:	1	1		1.0

Surrogate Recovery

Toluene-d8:	%	%	%	102 %
Bromofluorobenzene:	%	%	%	100 %
1,2-Dichloroethane-d4:	%	%	%	104 %

Analytes

Chloromethane.....	NR	NR	NR	10.00 U
Bromomethane.....	NR	NR	NR	10.00 U
Vinyl Chloride.....	NR	NR	NR	10.00 U
Chloroethane.....	NR	NR	NR	10.00 U
Methylene Chloride.....	NR	NR	NR	5.00 U
Acetone.....	NR	NR	NR	3.00 J8
Carbon Disulfide.....	NR	NR	NR	5.00 U
1,1-Dichloroethene.....	4 U	4 U	5 U	5.00 U
1,1-Dichloroethane.....	NR	NR	NR	5.00 U
Trans-1,2-Dichloroethene.....	4 U	4 U	5 U	5.00 U
Chloroform.....	4 U	4 U	5 U	5.00 U
1,2-Dichloroethane.....	4 U	4 U	5 U	5.00 U
2-Butanone.....	NR	NR	NR	10.00 U
1,1,1-Trichloroethane.....	4 U	4 U	5 U	5.00 U
Carbon Tetrachloride.....	4 U	4 U	5 U	5.00 U
Vinyl Acetate.....	NR	NR	NR	10.00 U
Bromodichloromethane.....	NR	NR	NR	5.00 U
1,2-Dichloropropane.....	NR	NR	NR	5.00 U
Trans-1,3-Dichloropropene.....	NR	NR	NR	5.00 U
Trichloroethene.....	4 U	4 U	5 U	5.00 U
Dibromochloromethane.....	NR	NR	NR	5.00 U
1,1,2-Trichloroethane.....	4 U	4 U	5 U	5.00 U
Benzene.....	NR	NR	NR	5.00 U
cis-1,3-Dichloropropene.....	NR	NR	NR	5.00 U
2-Chloroethylvinylether.....	NR	NR	NR	10.00 U
Bromoform.....	NR	NR	NR	5.00 U
4-Methyl-2-pentanone.....	NR	NR	NR	10.00 U
2-Hexanone.....	NR	NR	NR	10.00 U
Tetrachloroethene.....	4 U	4 U	5 U	5.00 U
1,1,2,2-Tetrachloroethane.....	NR	NR	NR	5.00 U
Toluene.....	NR	NR	NR	5.00 U
Chlorobenzene.....	NR	NR	NR	5.00 U
Ethylbenzene.....	NR	NR	NR	5.00 U
Styrene.....	NR	NR	NR	5.00 U
Total Xylenes.....	NR	NR	NR	5.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS WEST OF PLANT
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-096	0287-881-060	0387-881-081	0487-881-010
Customer ID:	47-86-05-13-87	47-86-06-22-87	47-86-08-13-87	47-86-10-05-87
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	PPB
Dilution Factor:	1	1		

Surrogate Recovery

Toluene-d8:	%	%	%	%
Bromofluorobenzene:	A %	%	%	%
1,2-Dichloroethane-d4:	%	%	%	%

Analytes

Chloromethane	NR	NR	NR	
Bromomethane	NR	NR	NR	
Vinyl Chloride	NR	NR	NR	
Chloroethane	NR	NR	NR	
Methylene Chloride	NR	NR	NR	
Acetone	NR	NR	NR	
Carbon Disulfide	NR	NR	NR	
1,1-Dichloroethene	4 U	4 U	5 U	5 U
1,1-Dichloroethane	NR	NR	NR	
Trans-1,2-Dichloroethene	4 U	4 U	5 U	5 U
Chloroform	4 U	4 U	5 U	5 U
1,2-Dichloroethane	4 U	4 U	5 U	5 U
2-Butanone	NR	NR	NR	
1,1,1-Trichloroethane	4 U	4 U	5 U	5 U
Carbon Tetrachloride	4 U	4 U	5 U	5 U
Vinyl Acetate	NR	NR	NR	
Bromodichloromethane	NR	NR	NR	
1,2-Dichloropropane	NR	NR	NR	
Trans-1,3-Dichloropropene	NR	NR	NR	
Trichloroethene	4 U	4 U	5 U	5 U
Dibromochloromethane	NR	NR	NR	
1,1,2-Trichloroethane	4 U	4 U	5 U	5 U
Benzene	NR	NR	NR	
cis-1,3-Dichloropropene	NR	NR	NR	
2-Chloroethylvinylether	NR	NR	NR	
Bromoform	NR	NR	NR	
4-Methyl-2-pentanone	NR	NR	NR	
2-Hexanone	NR	NR	NR	
Tetrachloroethene	4 U	4 U	5 U	5 U
1,1,2,2-Tetrachloroethane	NR	NR	NR	
Toluene	NR	NR	NR	
Chlorobenzene	NR	NR	NR	
Ethylbenzene	NR	NR	NR	
Styrene	NR	NR	NR	
Total Xylenes	NR	NR	NR	

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS WEST OF PLANT
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-041	0287-881-053	0387-881-096	0487-881-065
Customer ID:	49-86-04-08-87	49-86-06-18-87	49-86-08-24-87	49-86-12-14-87
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:	1	1		1.0

Surrogate Recovery

Toluene-d8:	%	%	%	98 %
Bromofluorobenzene:	%	%	%	68 %
1,2-Dichloroethane-d4:	%	%	%	96 %

Analytes

Chloromethane.....	NR	NR	NR	10 U
Bromomethane.....	NR	NR	NR	10 U
Vinyl Chloride.....	NR	NR	NR	10 U
Chloroethane.....	NR	NR	NR	10 U
Methylene Chloride.....	NR	NR	NR	8.00
Acetone.....	NR	NR	NR	10 U
Carbon Disulfide.....	NR	NR	NR	5 U
1,1-Dichloroethene.....	4 U	4 U	5 U	5 U
1,1-Dichloroethane.....	NR	NR	NR	5 U
Trans-1,2-Dichloroethene.....	4 U	4 U	5 U	5 U
Chloroform.....	4 U	4 U	5 U	5 U
1,2-Dichloroethane.....	4 U	4 U	5 U	5 U
2-Butanone.....	NR	NR	NR	10 U
1,1,1-Trichloroethane.....	4 U	4 U	5 U	5 U
Carbon Tetrachloride.....	4 U	4 U	5 U	5 U
Vinyl Acetate.....	NR	NR	NR	10 U
Bromodichloromethane.....	NR	NR	NR	5 U
1,2-Dichloropropane.....	NR	NR	NR	5 U
Trans-1,3-Dichloropropene.....	NR	NR	NR	5 U
Trichloroethene.....	4 U	4 U	5 U	5 U
Dibromochloromethane.....	NR	NR	NR	5 U
1,1,2-Trichloroethane.....	4 U	4 U	5 U	5 U
Benzene.....	NR	NR	NR	5 U
cis-1,3-Dichloropropene.....	NR	NR	NR	5 U
2-Chloroethylvinylether.....	NR	NR	NR	NR
Bromoform.....	NR	NR	NR	5 U
4-Methyl-2-pentanone.....	NR	NR	NR	10 U
2-Hexanone.....	NR	NR	NR	10 U
Tetrachloroethene.....	4 U	4 U	5 U	5 U
1,1,2,2-Tetrachloroethane.....	NR	NR	NR	5 U
Toluene.....	NR	NR	NR	5 U
Chlorobenzene.....	NR	NR	NR	5 U
Ethylbenzene.....	NR	NR	NR	5 U
Styrene.....	NR	NR	NR	5 U
Total Xylenes.....	NR	NR	NR	5 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS WEST OF PLANT
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-081	0287-881-049	0387-881-085	0487-881-055
Customer ID:	50-86-05-11-87	50-86-06-16-87	50-86-08-14-87	50-86-12-10-87
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:	1	1		1.0

Surrogate Recovery

Toluene-d8:	%	%	%	164 %
Bromofluorobenzene:	%	%	%	84 %
1,2-Dichloroethane-d4:	%	%	%	90 %

Analytes

Chloromethane.....	NR	NR	NR	10 U
Bromomethane.....	NR	NR	NR	10 U
Vinyl Chloride.....	NR	NR	NR	10 U
Chloroethane.....	NR	NR	NR	10 U
Methylene Chloride.....	NR	NR	NR	5 U
Acetone.....	NR	NR	NR	10 U
Carbon Disulfide.....	NR	NR	NR	5 U
1,1-Dichloroethene.....	4 U	4 U	5 U	5 U
1,1-Dichloroethane.....	NR	NR	NR	5 U
Trans-1,2-Dichloroethene.....	4 U	4 U	5 U	5 U
Chloroform.....	4 U	4 U	5 U	5 U
1,2-Dichloroethane.....	4 U	4 U	5 U	5 U
2-Butanone.....	NR	NR	NR	10 U
1,1,1-Trichloroethane.....	4 U	4 U	5 U	5 U
Carbon Tetrachloride.....	4 U	4 U	5 U	5 U
Vinyl Acetate.....	NR	NR	NR	10 U
Bromodichloromethane.....	NR	NR	NR	5 U
1,2-Dichloropropane.....	NR	NR	NR	5 U
Trans-1,3-Dichloropropene.....	NR	NR	NR	5 U
Trichloroethene.....	4 U	4 U	5 U	5 U
Dibromochloromethane.....	NR	NR	NR	5 U
1,1,2-Trichloroethane.....	4 U	4 U	5 U	5 U
Benzene.....	NR	NR	NR	5 U
cis-1,3-Dichloropropene.....	NR	NR	NR	5 U
2-Chloroethylvinylether.....	NR	NR	NR	NR
Bromoform.....	NR	NR	NR	5 U
4-Methyl-2-pentanone.....	NR	NR	NR	10 U
2-Hexanone.....	NR	NR	NR	10 U
Tetrachloroethene.....	4 U	4 U	5 U	5 U
1,1,2,2-Tetrachloroethane.....	NR	NR	NR	5 U
Toluene.....	NR	NR	NR	5 U
Chlorobenzene.....	NR	NR	NR	5 U
Ethylbenzene.....	NR	NR	NR	5 U
Styrene.....	NR	NR	NR	5 U
Total Xylenes.....	NR	NR	NR	5 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS WEST OF PLANT
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-093	0287-881-058	0387-881-090	0487-881-058
Customer ID:	51-86-05-13-87	51-86-06-17-87	51-86-08-19-87	51-86-12-10-87
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:	1	1		1.0

Surrogate Recovery

Toluene-d8:	%	%	%	104 %
Bromofluorobenzene:	%	%	%	80 %
1,2-Dichloroethane-d4:	%	%	%	92 %

Analytes

Chloromethane.....	NR	NR	NR	10 U
Bromomethane.....	NR	NR	NR	10 U
Vinyl Chloride.....	NR	NR	NR	10 U
Chloroethane.....	NR	NR	NR	10 U
Methylene Chloride.....	NR	NR	NR	5 U
Acetone.....	NR	NR	NR	10 U
Carbon Disulfide.....	NR	NR	NR	5 U
1,1-Dichloroethene.....	4 U	4 U	5 U	5 U
1,1-Dichloroethane.....	NR	NR	NR	5 U
Trans-1,2-Dichloroethene.....	4 U	4 U	5 U	5 U
Chloroform.....	4 U	4 U	5 U	5 U
1,2-Dichloroethane.....	4 U	4 U	5 U	5 U
2-Butanone.....	NR	NR	NR	10 U
1,1,1-Trichloroethane.....	4 U	4 U	5 U	5 U
Carbon Tetrachloride.....	4 U	4 U	5 U	5 U
Vinyl Acetate.....	NR	NR	NR	10 U
Bromodichloromethane.....	NR	NR	NR	5 U
1,2-Dichloropropane.....	NR	NR	NR	5 U
Trans-1,3-Dichloropropene.....	NR	NR	NR	5 U
Trichloroethene.....	4 U	4 U	5 U	5 U
Dibromochloromethane.....	NR	NR	NR	5 U
1,1,2-Trichloroethane.....	4 U	4 U	5 U	5 U
Benzene.....	NR	NR	NR	5 U
cis-1,3-Dichloropropene.....	NR	NR	NR	5 U
2-Chloroethylvinylether.....	NR	NR	NR	NR
Bromoform.....	NR	NR	NR	5 U
4-Methyl-2-pentanone.....	NR	NR	NR	10 U
2-Hexanone.....	NR	NR	NR	10 U
Tetrachloroethene.....	4 U	4 U	5 U	5 U
1,1,2,2-Tetrachloroethane.....	NR	NR	NR	5 U
Toluene.....	NR	NR	NR	5 U
Chlorobenzene.....	NR	NR	NR	5 U
Ethylbenzene.....	NR	NR	NR	5 U
Styrene.....	NR	NR	NR	5 U
Total Xylenes.....	NR	NR	NR	5 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS WEST OF PLANT
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8710-006-0070	0187-881-104	0287-881-015	0387-881-032
Customer ID:	55-86	55-86-05-18-87	55-86-05-27-87	55-86-07-13-87
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:	1.0	1	1	

Surrogate Recovery

Toluene-d8:	106 %	%	%	%
Bromofluorobenzene:	100 %	%	%	%
1,2-Dichloroethane-d4:	106 %	%	%	%

Analytes

Chloromethane	10.00	U	NR		NR		NR	
Bromomethane	10.00	U	NR		NR		NR	
Vinyl Chloride	10.00	U	NR		NR		NR	
Chloroethane	10.00	U	NR		NR		NR	
Methylene Chloride	5.00	U	NR		NR		NR	
Acetone	8.00	JB	NR		NR		NR	
Carbon Disulfide	5.00	U	NR		NR		NR	
1,1-Dichloroethene	5.00	U	4	U	4	U	4	U
1,1-Dichloroethane	5.00	U	NR		NR		NR	
Trans-1,2-Dichloroethene	5.00	U	4	U	4	U	4	U
Chloroform	5.00	U	4	U	4	U	4	U
1,2-Dichloroethane	5.00	U	4	U	4	U	4	U
2-Butanone	10.00	U	NR		NR		NR	
1,1,1-Trichloroethane	5.00	U	4	U	4	U	4	U
Carbon Tetrachloride	5.00	U	4	U	4	U	4	U
Vinyl Acetate	10.00	U	NR		NR		NR	
Bromodichloromethane	5.00	U	NR		NR		NR	
1,2-Dichloropropane	5.00	U	NR		NR		NR	
Trans-1,3-Dichloropropene	5.00	U	NR		NR		NR	
Trichloroethene	5.00	U	4	U	4	U	4	U
Dibromochloromethane	5.00	U	NR		NR		NR	
1,1,2-Trichloroethane	5.00	U	4	U	4	U	4	U
Benzene	5.00	U	NR		NR		NR	
cis-1,3-Dichloropropene	5.00	U	NR		NR		NR	
2-Chloroethylvinylether	10.00	U	NR		NR		NR	
Bromoform	5.00	U	NR		NR		NR	
4-Methyl-2-pentanone	10.00	U	NR		NR		NR	
2-Hexanone	10.00	U	NR		NR		NR	
Tetrachloroethene	5.00	U	4	U	4	U	4	U
1,1,2,2-Tetrachloroethane	5.00	U	NR		NR		NR	
Toluene	5.00	U	NR		NR		NR	
Chlorobenzene	5.00	U	NR		NR		NR	
Ethylbenzene	5.00	U	NR		NR		NR	
Styrene	5.00	U	NR		NR		NR	
Total Xylenes	5.00	U	NR		NR		NR	

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS WEST OF PLANT
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0487-881-003	0387-881-033	8710-006-0080	0187-881-108
Customer ID:	55-86-09-30-87	55-86DUP-07-13-87	56-86	56-86-05-19-87
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:			1.0	1

Surrogate Recovery

Toluene-d8:	%	%	102 %	%
Bromofluorobenzene:	%	%	106 %	%
1,2-Dichloroethane-d4:	%	%	112 %	%

Analytes

Chloromethane		NR	10.00 U	NR
Bromomethane		NR	10.00 U	NR
Vinyl Chloride		NR	10.00 U	NR
Chloroethane		NR	10.00 U	NR
Methylene Chloride		NR	1.00 J	NR
Acetone		NR	8.00 JB	NR
Carbon Disulfide		NR	5.00 U	NR
1,1-Dichloroethene	5 U	4 U	5.00 U	4 U
1,1-Dichloroethane		NR	5.00 U	NR
Trans-1,2-Dichloroethene	5 U	4 U	5.00 U	4 U
Chloroform	5 U	4 U	5.00 U	4 U
1,2-Dichloroethane	5 U	4 U	5.00 U	4 U
2-Butanone		NR	8.00 J	NR
1,1,1-Trichloroethane	5 U	4 U	5.00 U	4 U
Carbon Tetrachloride	5 U	4 U	5.00 U	4 U
Vinyl Acetate		NR	10.00 U	NR
Bromodichloromethane		NR	5.00 U	NR
1,2-Dichloropropane		NR	5.00 U	NR
Trans-1,3-Dichloropropene		NR	5.00 U	NR
Trichloroethene	5 U	4 U	5.00 U	4 U
Dibromochloromethane		NR	5.00 U	NR
1,1,2-Trichloroethane	5 U	4 U	5.00 U	4 U
Benzene		NR	5.00 U	NR
cis-1,3-Dichloropropene		NR	5.00 U	NR
2-Chloroethylvinylether		NR	10.00 U	NR
Bromoform		NR	5.00 U	NR
4-Methyl-2-pentanone		NR	10.00 U	NR
2-Hexanone		NR	10.00 U	NR
Tetrachloroethene	5 U	4 U	5.00 U	4 U
1,1,2,2-Tetrachloroethane		NR	5.00 U	NR
Toluene		NR	5.00 U	NR
Chlorobenzene		NR	5.00 U	NR
Ethylbenzene		NR	5.00 U	NR
Styrene		NR	5.00 U	NR
Total Xylenes		NR	5.00 U	NR

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS WEST OF PLANT
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0287-881-013	0387-881-035	0487-881-004	8608-014-001
Customer ID:	56-86-05-27-87	56-86-07-14-87	56-86-09-30-87	G108108860
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	PPB	UG/L
Dilution Factor:	1			1.0

Surrogate Recovery

Toluene-d8:	%	%	%	%
Bromofluorobenzene:	%	%	%	%
1,2-Dichloroethane-d4:	%	%	%	%

Analytes

Chloromethane.....	NR	NR		10.00 U
Bromomethane.....	NR	NR		10.00 U
Vinyl Chloride.....	NR	NR		10.00 U
Chloroethane.....	NR	NR		10.00 U
Methylene Chloride.....	NR	NR		5.00 U
Acetone.....	NR	NR		3 B
Carbon Disulfide.....	NR	NR		5.00 U
1,1-Dichloroethene.....	4 U	4 U	5 U	5.00 U
1,1-Dichloroethane.....	NR	NR		5.00 U
Trans-1,2-Dichloroethene.....	4 U	4 U	5 U	5.00 U
Chloroform.....	4 U	4 U	5 U	5.00 U
1,2-Dichloroethane.....	4 U	4 U		5.00 U
2-Butanone.....	NR	NR		6 B
1,1,1-Trichloroethane.....	4 U	4 U	5 U	5.00 U
Carbon Tetrachloride.....	4 U	4 U	5 U	5.00 U
Vinyl Acetate.....	NR	NR		10.00 U
Bromodichloromethane.....	NR	NR		5.00 U
1,2-Dichloropropane.....	NR	NR		5.00 U
Trans-1,3-Dichloropropene.....	NR	NR		5.00 U
Trichloroethene.....	4 U	4 U	5 U	5.00 U
Dibromochloromethane.....	NR	NR		5.00 U
1,1,2-Trichloroethane.....	4 U	4 U	5 U	5.00 U
Benzene.....	NR	NR		5.00 U
cis-1,3-Dichloropropene.....	NR	NR		5.00 U
2-Chloroethylvinylether.....	NR	NR		10.00 U
Bromoform.....	NR	NR		5.00 U
4-Methyl-2-pentanone.....	NR	NR		10.00 U
2-Hexanone.....	NR	NR		10.00 U
Tetrachloroethene.....	4 U	4 U	5 U	5.00 U
1,1,2,2-Tetrachloroethane.....	NR	NR		5.00 U
Toluene.....	NR	NR		5.00 U
Chlorobenzene.....	NR	NR		5.00 U
Ethylbenzene.....	NR	NR		5.00 U
Styrene.....	NR	NR		5.00 U
Total Xylenes.....	NR	NR		0.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS WEST OF PLANT
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8611-014-001	8611-014-006	8612-002-021	8611-004-021
Customer ID:	G478611860	G478611862	G498611860	G508610860
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:	1	1	1	1

Surrogate Recovery

Toluene-d8:	98 %	96 %	106 %	96 %
Bromofluorobenzene:	96 %	96 %	100 %	101 %
1,2-Dichloroethane-d4:	94 %	90 %	102 %	101 %

Analytes

Chloromethane	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U
Methylene Chloride	5 U	5 U	5 U	5 U
Acetone	10 U	10 U	10 U	8 JB
Carbon Disulfide	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U
Trans-1,2-Dichloroethene	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U
Vinyl Acetate	10 U	10 U	10 U	10 U
Bromodichloromethane	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U
2-Chloroethylvinylether	10 U	10 U	10 U	10 U
Bromoform	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U
Tetrachloroethene	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U
Toluene	5 U	3 J	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U
Total Xylenes	5 U	5 U	5 U	5 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS WEST OF PLANT
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8611-004-016	8611-014-016	8610-044-0210	8610-011-06
Customer ID:	G508610862	G518611860	G558610860	G568610860
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:	1	1	1	1.0

Surrogate Recovery

Toluene-d8:	96 %	98 %	98 %	100 %
Bromofluorobenzene:	102 %	98 %	104 %	102 %
1,2-Dichloroethane-d4:	101 %	92 %	82 %	96 %

Analytes

Chloromethane	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U
Methylene Chloride	5 U	83	5 U	5 B
Acetone	10 U	90 B	7 BJ	10 U
Carbon Disulfide	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U
Trans-1,2-Dichloroethene	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U
2-Butanone	10 U	10 U	6 J	10 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U
Vinyl Acetate	10 U	10 U	10 U	10 U
Bromodichloromethane	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U
2-Chloroethylvinylether	10 U	10 U	10 U	10 U
Bromoform	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U
Tetrachloroethene	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U
Toluene	5 U	2 J	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	1 J	5 U
Total Xylenes	5 U	5 U	5 U	5 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

RADIONUCLIDES

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
0187-881-089	10-81-05-11-87	
0287-881-052	10-81-06-18-87	
0387-881-077	10-81-08-21-87	
0187-881-098	47-86-05-13-87	
0287-881-060	47-86-06-22-87	
0387-881-067	47-86-08-14-87	
0487-881-007	47-86-10-06-87	
0187-881-043	49-86-04-08-87	
0287-881-053	49-86-06-18-87	
0387-881-085	49-86-08-25-87	
0487-881-016	49-86-12-15-87	
0187-881-084	50-86-05-11-87	
0287-881-049	50-86-06-16-87	
0387-881-068	50-86-08-14-87	
0487-881-014	50-86-12-11-87	
0187-881-099	51-86-05-13-87	
0287-881-058	51-86-06-17-87	
0387-881-074	51-86-08-20-87	
0487-881-015	51-86-12-11-87	
0187-881-110	55-86-05-18-87	
0287-881-015	55-86-05-27-87	
0387-881-014	55-86-07-14-87	
0187-123-011	55-86-10-01-87	
0487-881-002	55-86-10-01-87	
0387-881-111	55-86D-07-14-87	
0187-881-112	56-86-05-19-87	
0287-881-013	56-86-05-27-87	
0387-881-016	56-86-07-15-87	
0187-123-010	56-86-10-01-87	
0487-881-003	56-86-10-01-87	
1000-000-247	G108108860	22509-14-9
1000-000-290	G478611860	23087-5-1
1000-000-292	G478611862	23087-5-2
1000-000-293	G498611860	23196-5-5
1000-000-294	G508610860	23043-5-5
1000-000-295	G508610862	23043-5-4
1000-000-296	G518611860	23087-5-4
1000-000-299	G558610860	22945-5-5
1000-000-300	G568610860	22850-5-2

ALLUVIAL WELLS WEST OF PLANT
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS) Page: 1

Sample Information

RFW Batch ID:	0187-881-089	0287-881-052	0387-881-077
Customer ID:	10-81-05-11-87	10-81-06-18-87	10-81-08-21-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha	15 +/- 11	pc/l	5 +/- 15	pci/l	7 +/- 17	pci/l
Gross Beta	-9 +/- 0	pc/l	5 +/- 28	pci/l	29 +/- 45	pci/l
Uranium 233, 234	.04 +/- .56	pc/l	0.0 +/- 0.57	pci/l	0.0 +/- 1.0	pci/l
Uranium 235	0.0 +/- .30	pc/l	0.0 +/- 0.3	pci/l	0.4 +/- 0.4	pci/l
Uranium 238	.12 +/- .40	pc/l	0.17 +/- 0.42	pci/l	-0.3 +/- 0.6	pci/l
Strontium 89, 90	0.8	pc/l	NR		<1.0	pci/l
Plutonium 239, 240	.10 +/- .70	pc/l	0.32 +/- 0.77	pci/l	-.32 +/- .46	pci/l
Americium 241	0.0 +/- 1.2	pc/l	0.0 +/- 1.2	pci/l	-.04 +/- .56	pci/l
Cesium 137	NR		NR			
Tritium	1100	pc/l	NR		<526	pci/l

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-098	0287-881-060	0387-881-067
Customer ID:	47-86-05-13-87	47-86-06-22-87	47-86-08-14-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha	-8 +/- 6	pc/l	-2 +/- 4	pci/l	10 +/- 17	pci/l
Gross Beta	14 +/- 0	pc/l	-2 +/- 31	pci/l	6 +/- 41	pci/l
Uranium 233, 234	0.0 +/- .53	pc/l	0.0 +/- 0.59	pci/l	0.4 +/- 1.4	pci/l
Uranium 235	.005 +/- .31	pc/l	0.0 +/- 0.3	pci/l	4.0 +/- 1.4	pci/l
Uranium 238	0.0 +/- .38	pc/l	0.36 +/- 0.48	pci/l	5.5 +/- 2.1	pci/l
Strontium 89, 90	0.6	pc/l	NR		<1.0	pci/l
Plutonium 239, 240	.08 +/- .71	pc/l	0.0 +/- 0.7	pci/l	.11 +/- .78	pci/l
Americium 241	0.0 +/- 1.5	pc/l	0.0 +/- 1.2	pci/l	-.04 +/- .82	pci/l
Cesium 137	NR		NR			
Tritium	1100	pc/l	NR		<526	pci/l

ALLUVIAL WELLS WEST OF PLANT
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0487-881-007	0187-881-043	0287-881-053
Customer ID:	47-86-10-06-87	49-86-04-08-87	49-86-06-18-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha	3 +/- 4	pci/l	20 +/- 10	pci/l	71 +/- 15	pci/l
Gross Beta	7 +/- 9	pci/l	21 +/- 6	pci/l	118 +/- 29	pci/l
Uranium 233, 234	.15 +/- .09	pci/l	0.0 +/- .91	pci/l	3.5 +/- 0.9	pci/l
Uranium 235	.04 +/- .04	pci/l	0.4 +/- 1.7	pci/l	0.09 +/- 0.32	pci/l
Uranium 238	.18 +/- .08	pci/l	0.7 +/- 3.6	pci/l	4.0 +/- 0.9	pci/l
Strontium 89, 90	<1.0	pci/l	NR		NR	
Plutonium 239, 240	.11 +/- .14	pci/l	0.0 +/- 2.2	pci/l	0.42 +/- 0.82	pci/l
Americium 241	0.00 +/- .05	pci/l	0.0 +/- 4.4	pci/l	0.0 +/- 1.3	pci/l
Cesium 137			NR		NR	
Tritium	<460	pci/l	110	pci/l	NR	

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-085	0487-881-016	0187-881-084
Customer ID:	49-86-08-25-87	49-86-12-15-87	50-86-05-11-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha	6 +/- 16	pci/l			54 +/- 15	pc/l
Gross Beta	-9 +/- 34	pci/l			56 +/- 23	pc/l
Uranium 233, 234	0.9 +/- 1.4	pci/l	.13 +/- .09	pci/l	2.5 +/- 1.2	pc/l
Uranium 235	0.6 +/- 0.7	pci/l	.01 +/- .03	pci/l	.03 +/- .43	pc/l
Uranium 238	0.0 +/- 1.0	pci/l	.01 +/- .06	pci/l	3.5 +/- 1.2	pc/l
Strontium 89, 90	1.5	pci/l	<1.0	pci/l	2.62	pc/l
Plutonium 239, 240	-.32 +/- .64	pci/l	0.00 +/- .18	pci/l	1.0 +/- 1.0	pc/l
Americium 241	.03 +/- .45	pci/l			0.0 +/- 2.0	pc/l
Cesium 137					NR	
Tritium	2218 +/- 397	pci/l	<220	pci/l	1600	pc/l

ALLUVIAL WELLS WEST OF PLANT
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0287-881-049	0387-881-068	0487-881-014
Customer ID:	50-86-06-16-87	50-86-08-14-87	50-86-12-11-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha	-4 +/- 0	pci/l	6 +/- 15	pci/l	30 +/- 8	pci/l
Gross Beta	26 +/- 5	pci/l	-8 +/- 42	pci/l	32 +/- 9	pci/l
Uranium 233, 234	0.08 +/- 0.65	pci/l	NR		.23 +/- .12	pci/l
Uranium 235	0.0 +/- 0.03	pci/l	NR		.01 +/- .04	pci/l
Uranium 238	0.2 +/- 0.44	pci/l	NR		.18 +/- .10	pci/l
Strontium 89, 90	NR		3.5	pci/l	<1.0	pci/l
Plutonium 239, 240	0.0 +/- 0.67	pci/l	-.32 +/- .65	pci/l	0.00 +/- .10	pci/l
Americium 241	0.0 +/- 1.2	pci/l	-.04 +/- .43	pci/l	0.00 +/- .19	pci/l
Cesium 137	NR					
Tritium	NR		487 +/- 291	pci/l	<220	pci/l

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-099	0287-881-058	0387-881-074
Customer ID:	51-86-05-13-87	51-86-06-17-87	51-86-08-20-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha	28 +/- 24	pc/l	-5 +/- 0	pci/l	4 +/- 19	pci/l
Gross Beta	11 +/- 7	pc/l	24 +/- 28	pci/l	6 +/- 44	pci/l
Uranium 233, 234	.22 +/- .61	pc/l	0.0 +/- 0.06	pci/l	-0.4 +/- 1.1	pci/l
Uranium 235	0.0 +/- .30	pc/l	0.0 +/- 0.33	pci/l	0.0 +/- 0.3	pci/l
Uranium 238	.61 +/- .54	pc/l	0.12 +/- 0.37	pci/l	0.0 +/- 0.5	pci/l
Strontium 89, 90	1.34	pc/l	NR		<1.0	pci/l
Plutonium 239, 240	0.0 +/- .71	pc/l	0.29 +/- 0.8	pci/l	-1.6 +/- 6.0	pci/l
Americium 241	0.0 +/- 1.2	pc/l	0.0 +/- 1.3	pci/l	-.04 +/- .47	pci/l
Cesium 137	NR		NR			
Tritium	1500	pc/l	NR		<492	pci/l

ALLUVIAL WELLS WEST OF PLANT
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0487-881-015	0187-881-110	0287-881-015
Customer ID:	51-86-12-11-87	55-86-05-18-87	55-86-05-27-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha.....	43 +/- 9	pci/l	262 +/- 34	pc/l	95 +/- 45	pci/l
Gross Beta.....	42 +/- 10	pci/l	135 +/- 26	pc/l	82 +/- 7	pci/l
Uranium 233, 234.....	.10 +/- .10	pci/l	1.5 +/- 0.9	pc/l	0.31 +/- 0.67	pci/l
Uranium 235.....	.02 +/- .04	pci/l	.44 +/- .46	pc/l	0.0 +/- 0.31	pci/l
Uranium 238.....	.07 +/- .08	pci/l	2.2 +/- 0.8	pc/l	0.45 +/- 0.48	pci/l
Strontium 89, 90.....	<1.0	pci/l	0.8	pc/l	3.32	pci/l
Plutonium 239, 240.....	0.00 +/- .14	pci/l	.03 +/- .65	pc/l	0.07 +/- 0.82	pci/l
Americium 241.....	0.00 +/- .19	pci/l	0.0 +/- 4.2	pc/l	0.0 +/- 1.2	pci/l
Cesium 137.....			NR		NR	
Tritium.....	<220	pci/l	2600	pc/l	2.6	pci/l

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-014	0187-123-011	0487-881-002
Customer ID:	55-86-07-14-87	55-86-10-01-87	55-86-10-01-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha.....	4 +/- 19	pci/l			2 +/- 4	pci/l
Gross Beta.....	12 +/- 40	pci/l			3 +/- 10	pci/l
Uranium 233, 234.....	0.3 +/- 1.1	pci/l			0.00 +/- .06	pci/l
Uranium 235.....	0.0 +/- 0.3	pci/l			0.00 +/- .03	pci/l
Uranium 238.....	0.0 +/- 0.5	pci/l	0.115 +/- 0.054		.02 +/- .05	pci/l
Strontium 89, 90.....	<1.0	pci/l			<1.0	pci/l
Plutonium 239, 240.....	-.14 +/- .53	pci/l	0.042 +/- 0.054	pci/l	0.00 +/- .06	pci/l
Americium 241.....	-.04 +/- .44	pci/l	-0.022 +/- 0.034	pci/l	0.00 +/- .16	pci/l
Cesium 137.....						
Tritium.....	<593	pci/l			<460	pci/l

ALLUVIAL WELLS WEST OF PLANT
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-111	0187-881-112	0287-881-013
Customer ID:	55-86D-07-14-87	56-86-05-19-87	56-86-05-27-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha	0 +/- 15	pci/l	15 +/- 12	pc/l	23 +/- 8	pci/l
Gross Beta	14 +/- 36	pci/l	2 +/- 6	pc/l	32 +/- 17	pci/l
Uranium 233, 234	1.1 +/- 1.2	pci/l	.34 +/- .69	pc/l	0.0 +/- 0.85	pci/l
Uranium 235	0.2 +/- 0.4	pci/l	0.0 +/- .26	pc/l	0.0 +/- 0.72	pci/l
Uranium 238	0.1 +/- 0.8	pci/l	.86 +/- .60	pc/l	0.0 +/- 0.71	pci/l
Strontium 89, 90	<1.0	pci/l	4.01	pc/l	1.76	pci/l
Plutonium 239, 240	.04 +/- .57	pci/l	.28 +/- .70	pc/l	0.003 +/- 0.76	pci/l
Americium 241	-.04 +/- .56	pci/l	0.0 +/- 1.3	pc/g	0.0 +/- 1.2	pci/l
Cesium 137			NR		NR	
Tritium	<543	pci/l	1200	pc/l	NR	

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-016	0187-123-010	0487-881-003
Customer ID:	56-86-07-15-87	56-86-10-01-87	56-86-10-01-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha	7 +/- 24	pci/l			6 +/- 4	pci/l
Gross Beta	88 +/- 49	pci/l			16 +/- 10	pci/l
Uranium 233, 234	0.8 +/- 1.1	pci/l			.04 +/- .13	pci/l
Uranium 235	0.5 +/- 0.3	pci/l			.04 +/- .05	pci/l
Uranium 238	0.4 +/- 0.6	pci/l	0.172 +/- 0.064		.11 +/- .09	pci/l
Strontium 89, 90	1.3	pci/l			<1.0	pci/l
Plutonium 239, 240	.00 +/- .46	pci/l	0.001 +/- 0.045	pci/l	0.00 +/- .05	pci/l
Americium 241	-.04 +/- .59	pci/l	-0.008 +/- 0.038	pci/l	0.00 +/- .17	pci/l
Cesium 137						
Tritium	<493	pci/l			<500	pci/l

ALLUVIAL WELLS WEST OF PLANT
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-247	1000-000-290	1000-000-292
Customer ID:	G108108860	G478611860	G478611862
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha.....	22 +/- 7	pci/l	57 +/- 20	pci/l	61 +/- 22	pci/l
Gross Beta.....	22 +/- 3	pci/l	50 +/- 12	pci/l	42 +/- 12	pci/l
Uranium 233, 234.....	0.96 +/- 0.24	pci/l	10 +/- 2	pci/l	6.0 +/- 1.1	pci/l
Uranium 235.....	NR		NR		NR	
Uranium 238.....	0.59 +/- 0.19	pci/l	14 +/- 2	pci/l	7.7 +/- 1.2	pci/l
Strontium 89, 90.....	NR		NR		NR	
Plutonium 239, 240.....	0.03 +/- 0.06	pci/l	-0.05 +/- 0.74	pci/l	0.09 +/- 0.18	pci/l
Americium 241.....	0.03 +/- 0.04	pci/l	-0.01 +/- 0.08	pci/l	-0.02 +/- 0.08	pci/l
Cesium 137.....	NR		NR		NR	
Tritium.....	0.33 +/- 0.23	pci/l	-0.09 +/- 0.18	pci/l	-0.08 +/- 0.19	pci/l

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-293	1000-000-294	1000-000-295
Customer ID:	G498611860	G508610860	G508610862
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha.....	350 +/- 60	pci/l	120 +/- 40	pci/l	190 +/- 50	pci/l
Gross Beta.....	1200 +/- 100	pci/l	100 +/- 20	pci/l	83 +/- 14	pci/l
Uranium 233, 234.....	12 +/- 2	pci/l	9.0 +/- 1.0	pci/l	7.9 +/- 1.0	pci/l
Uranium 235.....	NR		NR		NR	
Uranium 238.....	12 +/- 2	pci/l	6.3 +/- 0.8	pci/l	5.2 +/- 0.9	pci/l
Strontium 89, 90.....	NR		NR		NR	
Plutonium 239, 240.....	0.02 +/- 0.14	pci/l	0.12 +/- 0.16	pci/l	0.02 +/- 0.13	pci/l
Americium 241.....	0.04 +/- 0.10	pci/l	-0.01 +/- 0.08	pci/l	0.03 +/- 0.09	pci/l
Cesium 137.....	NR		NR		NR	
Tritium.....	0.03 +/- 0.24	pci/l	0.30 +/- 0.22	pci/l	0.15 +/- 0.22	pci/l

ALLUVIAL WELLS WEST OF PLANT
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-296	1000-000-299	1000-000-300
Customer ID:	G518611860	G558610860	G568610860
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha.....	-1 +/- 4	pci/l	170 +/- 70	pci/l	14 +/- 11	pci/l
Gross Beta.....	7 +/- 5	pci/l	130 +/- 30	pci/l	24 +/- 5	pci/l
Uranium 233, 234.....	1.8 +/- 0.4	pci/l	5.4 +/- 0.5	pci/l	1.5 +/- 0.3	pci/l
Uranium 235.....	NR		NR		NR	
Uranium 238.....	2.4 +/- 0.5	pci/l	6.7 +/- 0.6	pci/l	1.5 +/- 0.3	pci/l
Strontium 89, 90.....	NR		NR		NR	
Plutonium 239, 240.....	0.06 +/- 0.11	pci/l	-0.05 +/- 0.07	pci/l	0.09 +/- 0.06	pci/l
Americium 241.....	-0.03 +/- 0.08	pci/l	-0.02 +/- 0.04	pci/l	0.01 +/- 0.06	pci/l
Cesium 137.....	NR		NR		NR	
Tritium.....	0.37 +/- 0.20	pci/l	0.20 +/- 0.22	pci/l	0.06 +/- 0.22	pci/l

INORGANICS

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
0487-881-073	10-81-01-12-88	
0187-881-088	10-81-05-11-87	
0287-881-054	10-81-06-18-87	
0387-881-098	10-81-08-21-87	
0187-881-095	47-86-05-13-87	
0287-881-063	47-86-06-22-87	
0387-881-089	47-86-08-14-87	
0487-881-010	47-86-10-05-87	
0187-881-043	49-86-04-08-87	
0287-881-057	49-86-06-18-87	
0387-881-102	49-86-08-25-87	
0487-881-048	49-86-12-14-87	
0187-881-084	50-86-05-11-87	
0287-881-051	50-86-06-16-87	
0387-881-090	50-86-08-14-87	
0487-881-042	50-86-12-10-87	
0187-881-097	51-86-05-13-87	
0287-881-052	51-86-06-17-87	
0387-881-095	51-86-08-20-87	
0487-881-043	51-86-12-10-87	
0187-881-108	55-86-05-18-87	
0287-881-015	55-86-05-27-87	
0387-881-041	55-86-07-14-87	
0487-881-003	55-86-09-30-87	
0387-881-042	55-86D-07-14-87	
0187-881-110	56-86-05-19-87	
0287-881-013	56-86-05-27-87	
0387-881-043	56-86-07-15-87	
0487-881-004	56-86-09-30-87	
8608-014-10	G108108860	
8611-014-03	G479611860	
8611-004-23	G508610860	
8611-014-18	G518611860	
8610-044-23	G558610860	
8610-011-08	G568610860	

ALLUVIAL WELLS WEST OF PLANT
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0487-881-073			0187-881-088			0287-881-054	
Customer ID:	10-81-01-12-88			10-81-05-11-87			10-81-06-18-87	
Matrix:	Water			Water			Water	
Inorganics								
Chloride	5.69	mg/l		8.60	mg/l		444	mg/l
Cyanide, Total	NR			1.0	U mg/l		1.0	U mg/l
Fluoride								
Nitrate-Nitrite-Nitrogen				2.00	mg/l		7.30	mg/l
Total Organic Carbon								
pH								
Sulfate	23.5	mg/l		20.0	mg/l		22.0	mg/l
Specific Conductance								
Turbidity								
Sulfide								
Oil and Grease								
Ignitability (Degrees)								
% Solids								
Total Dissolved Solids	152	mg/l		123	mg/l		140	mg/l
HCO3-	46.4	mg/l		28.0	mg/l		36.9	mg/l
CO3=	NR						NR	
Suspended Solids								
Hexavalent Chromium (Cr+6)								

ALLUVIAL WELLS WEST OF PLANT
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-098	0187-881-095	0287-881-063
Customer ID:	10-81-08-21-87	47-86-05-13-87	47-86-06-22-87
Matrix:	Water	Water	Water

Inorganics

Chloride	3.79		mg/l	3.60		mg/l	2.42	mg/l
Cyanide, Total	1	U	ug/l	1.0	U	mg/l	1.0	U mg/l
Fluoride								
Nitrate-Nitrite-Nitrogen	7.65		mg/l	1.0		mg/l	1.10	mg/l
Total Organic Carbon								
pH								
Sulfate	21.0		mg/l	7.80		mg/l	1.0	U mg/l
Specific Conductance								
Turbidity								
Sulfide								
Oil and Grease								
Ignitability (Degrees)								
% Solids								
Total Dissolved Solids	163		mg/l	115		mg/l	119	mg/l
HCO3-	39		mg/l	76.0		mg/l	76.5	mg/l
CO3=							NR	
Suspended Solids								
Hexavalent Chromium (Cr+6)								

ALLUVIAL WELLS WEST OF PLANT
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-089	0487-881-010	0187-881-043
Customer ID:	47-86-08-14-87	47-86-10-05-87	49-86-04-08-87
Matrix:	Water	Water	Water

Inorganics

Chloride	1.96		mg/l	2.4	mg/l	20.2		mg/l
Cyanide, Total	1	U	ug/l	NR		1.0	U	mg/l
Fluoride								
Nitrate-Nitrite-Nitrogen	1.2		mg/l	1.15	mg/l	9.10		mg/l
Total Organic Carbon								
pH								
Sulfate	3.5		mg/l	2.9	mg/l	150		mg/l
Specific Conductance								
Turbidity								
Sulfide								
Oil and Grease								
Ignitability (Degrees)								
% Solids								
Total Dissolved Solids	118		mg/l	113	mg/l	264		mg/l
HCO3-	79.7		mg/l	79.7	mg/l	32.8		mg/l
CO3=				NR				
Suspended Solids								
Hexavalent Chromium (Cr+6)								

ALLUVIAL WELLS WEST OF PLANT
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0287-881-057	0387-881-102	0487-881-048
Customer ID:	49-86-06-18-87	49-86-08-25-87	49-86-12-14-87
Matrix:	Water	Water	Water

Inorganics

Chloride	23.7		mg/l	30.6		mg/l	13.3	mg/l
Cyanide, Total	1.0	U	mg/l	1	U	ug/l	NR	
Fluoride								
Nitrate-Nitrite-Nitrogen	16.3		mg/l	12.6		mg/l	6.58	mg/l
Total Organic Carbon								
pH								
Sulfate	30.5		mg/l	19.0		mg/l	1340	mg/l
Specific Conductance								
Turbidity								
Sulfide								
Oil and Grease								
Ignitability (Degrees)								
% Solids								
Total Dissolved Solids	269		mg/l	201		mg/l	309	mg/l
HCO3-	34.0		mg/l	41		mg/l	48.0	mg/l
CO3=	NR						NR	
Suspended Solids								
Hexavalent Chromium (Cr+6)								

ALLUVIAL WELLS WEST OF PLANT
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	0187-881-084			0287-881-051			0387-881-090		
Customer ID:	50-86-05-11-87			50-86-06-16-87			50-86-08-14-87		
Matrix:	Water			Water			Water		

Inorganics

Chloride	10.4		mg/l	9.70		mg/l	9.70		mg/l
Cyanide, Total	1.0	U	mg/l	1.0	U	mg/l	1	U	ug/l
Fluoride									
Nitrate-Nitrite-Nitrogen	0.87		mg/l	1.20		mg/l	0.87		mg/l
Total Organic Carbon									
pH									
Sulfate	28.0		mg/l	13.5		mg/l	12.5		mg/l
Specific Conductance									
Turbidity									
Sulfide									
Oil and Grease									
Ignitability (Degrees)									
% Solids									
Total Dissolved Solids	167		mg/l	171		mg/l	159		mg/l
HCO3-	95.0		mg/l	92.5		mg/l	95.7		mg/l
CO3=				NR					
Suspended Solids									
Hexavalent Chromium (Cr+6)									

ALLUVIAL WELLS WEST OF PLANT
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0487-881-042			0187-881-097			0287-881-052	
Customer ID:	50-86-12-10-87			51-86-05-13-87			51-86-06-17-87	
Matrix:	Water			Water			Water	

Inorganics

Chloride	9.39	mg/l		5.70		mg/l	5.00	mg/l
Cyanide, Total	NR			1.0	U	mg/l	1.0	U mg/l
Fluoride								
Nitrate-Nitrite-Nitrogen	0.63	mg/l		4.65		mg/l	4.60	mg/l
Total Organic Carbon								
pH								
Sulfate	27.4	mg/l		31.0		mg/l	28.0	mg/l
Specific Conductance								
Turbidity								
Sulfide								
Oil and Grease								
Ignitability (Degrees)								
% Solids								
Total Dissolved Solids	162	mg/l		145		mg/l	141	mg/l
HCO3-	119	mg/l		36.0		mg/l	31.6	mg/l
CO3=	NR						NR	
Suspended Solids								
Hexavalent Chromium (Cr+6)								

ALLUVIAL WELLS WEST OF PLANT
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	0387-881-095	0487-881-043	0187-881-108
Customer ID:	51-86-08-20-87	51-86-12-10-87	55-86-05-18-87
Matrix:	Water	Water	Water

Inorganics

Chloride	4.75		mg/l	5.20	mg/l	6.40		mg/l
Cyanide, Total	1	U	ug/l	NR		1.0	U	mg/l
Fluoride								
Nitrate-Nitrite-Nitrogen	5.15		mg/l	3.45	mg/l	0.80		mg/l
Total Organic Carbon								
pH								
Sulfate	26.5		mg/l	190	mg/l	27.0		mg/l
Specific Conductance								
Turbidity								
Sulfide								
Oil and Grease								
Ignitability (Degrees)								
% Solids								
Total Dissolved Solids	149		mg/l	126	mg/l	167		mg/l
HCO3-	38.5		mg/l	46.2	mg/l	74.6		mg/l
CO3=				NR				
Suspended Solids								
Hexavalent Chromium (Cr+6)								

ALLUVIAL WELLS WEST OF PLANT
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	0287-881-015			0387-881-041			0487-881-003	
Customer ID:	55-86-05-27-87			55-86-07-14-87			55-86-09-30-87	
Matrix:	Water			Water			Water	
Inorganics								
Chloride	8.0		mg/l	6.2		mg/l	5.8	mg/l
Cyanide, Total	1.0	U	mg/l	1	U	ug/l	NR	
Fluoride								
Nitrate-Nitrite-Nitrogen	0.97		mg/l	1.28		mg/l	1.50	mg/l
Total Organic Carbon								
pH								
Sulfate	25.0		mg/l	23.0		mg/l	15.3	mg/l
Specific Conductance								
Turbidity								
Sulfide								
Oil and Grease								
Ignitability (Degrees)								
% Solids								
Total Dissolved Solids	147		mg/l	140		mg/l	138	mg/l
HCO3-	77.9		mg/l	75.0		mg/l	73.2	mg/l
CO3=							NR	
Suspended Solids								
Hexavalent Chromium (Cr+6)								

ALLUVIAL WELLS WEST OF PLANT
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-042	0187-881-110	0287-881-013
Customer ID:	55-86D-07-14-87	56-86-05-19-87	56-86-05-27-87
Matrix:	Water	Water	Water

Inorganics

Chloride	6.1		mg/l	15.1		mg/l	19.3	mg/l
Cyanide, Total	1	U	ug/l	1.0	U	mg/l	1.0	U mg/l
Fluoride								
Nitrate-Nitrite-Nitrogen	1.32		mg/l	0.48		mg/l	0.2	U mg/l
Total Organic Carbon								
pH								
Sulfate	23.0		mg/l	19.0		mg/l	1.0	U mg/l
Specific Conductance								
Turbidity								
Sulfide								
Oil and Grease								
Ignitability (Degrees)								
% Solids								
Total Dissolved Solids	139		mg/l	185		mg/l	202	mg/l
HCO3-	73.8		mg/l	105		mg/l	121	mg/l
CO3=								
Suspended Solids								
Hexavalent Chromium (Cr+6)								

ALLUVIAL WELLS WEST OF PLANT
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-043	0487-881-004	8608-014-10
Customer ID:	56-86-07-15-87	56-86-09-30-87	G108108860
Matrix:	Water	Water	Water

Inorganics

Chloride	13.0		mg/l	19.6		mg/l	5.7	mg/l
Cyanide, Total	1	U	ug/l	NR			0.0016	mg/l
Fluoride								
Nitrate-Nitrite-Nitrogen	1	U	mg/l	0.20	U	mg/l		
Total Organic Carbon								
pH								
Sulfate	15.9		mg/l	4.3		mg/l	3	U mg/l
Specific Conductance								
Turbidity								
Sulfide								
Oil and Grease								
Ignitability (Degrees)								
% Solids								
Total Dissolved Solids	186		mg/l	191		mg/l	128	mg/l
HCO3-	124		mg/l	122		mg/l	19	mg/l
CO3=				NR			21	mg/l
Suspended Solids								
Hexavalent Chromium (Cr+6)								

ALLUVIAL WELLS WEST OF PLANT
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8611-014-03			8611-004-23			8611-014-18		
Customer ID:	G479611860			G508610860			G518611860		
Matrix:	Water			Water			Water		
Inorganics									
Chloride	2.9		mg/l	7.6		mg/l	7.3		mg/l
Cyanide, Total	0.005	U	mg/l	0.01	U	mg/l	0.005	U	mg/l
Fluoride									
Nitrate-Nitrite-Nitrogen									
Total Organic Carbon									
pH									
Sulfate	20		mg/l	16		mg/l	31		mg/l
Specific Conductance									
Turbidity									
Sulfide									
Oil and Grease									
Ignitability (Degrees)									
% Solids									
Total Dissolved Solids	264		mg/l	200		mg/l	277		mg/l
HCO3-	5.4		mg/l	130		mg/l	3	U	mg/l
CO3=	88		mg/l	5	U	mg/l	42		mg/l
Suspended Solids	NR			NR			NR		
Hexavalent Chromium (Cr+6)									

ALLUVIAL WELLS WEST OF PLANT
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8610-044-23	8610-011-08
Customer ID:	G558610860	G568610860
Matrix:	Water	Water

Inorganics

Chloride	7.4		mg/l	15		mg/l
Cyanide, Total	0.01	U	mg/l	0.005	U	mg/l
Fluoride						
Nitrate-Nitrite-Nitrogen						
Total Organic Carbon						
pH						
Sulfate	22		mg/l	15		mg/l
Specific Conductance						
Turbidity						
Sulfide						
Oil and Grease						
Ignitability (Degrees)						
% Solids						
Total Dissolved Solids	140		mg/l	210		mg/l
HCO3-	17		mg/l	16		mg/l
CO3=	76		mg/l	120		mg/l
Suspended Solids						
Hexavalent Chromium (Cr+6)						

METALS

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
0487-881-073	10-81-01-13-88	
0187-881-089	10-81-05-11-87	
0287-881-052	10-81-06-18-87	
0387-881-102	10-81-08-21-87	
0187-881-096	47-86-05-13-87	
0287-881-060	47-86-06-23-87	
0387-881-091	47-86-08-14-87	
0487-881-011	47-86-10-06-87	
0187-881-041	49-86-04-08-87	
0287-881-053	49-86-06-18-87	
0387-881-106	49-86-08-25-87	
0487-881-062	49-86-12-16-87	
0187-881-081	50-86-05-11-87	
0287-881-049	50-86-06-17-87	
0387-881-092	50-86-08-14-87	
0487-881-047	50-86-12-11-87	
0187-881-093	51-86-05-13-87	
0287-881-058	51-86-06-18-87	
0387-881-098	51-86-08-20-87	
0487-881-048	51-86-12-11-87	
0187-881-104	55-86-05-18-87	
0287-881-015	55-86-05-28-87	
0387-881-143	55-86-07-15-87	
0487-881-003	55-86-10-01-87	
0387-881-144	55-86D-07-15-87	
0187-881-108	56-86-05-19-87	
0287-881-013	56-86-05-27-87	
0387-881-145	56-86-07-15-87	
0487-881-004	56-86-10-01-87	
8608-014-09	G108108860	
8611-014-02	G478611860	
8612-002-22	G498611860	
8611-004-22	G508610860	
8611-014-017	G518611860	
8610-044-22	G558610860	
8610-011-07	G568610860	

ALLUVIAL WELLS WEST OF PLANT
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS) Page: 1

Sample Information

RFW Batch ID:	0487-881-073	0187-881-089	0287-881-052	0387-881-102
Customer ID:	10-81-01-13-88	10-81-05-11-87	10-81-06-18-87	10-81-08-21-87
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L

Metals

Silver (Ag), total.....	0.0076 U	0.0076 U	0.0076 U	0.0076 U
Aluminum (Al), total.....	0.0290 U	0.0433	0.0290 U	0.0400
Arsenic (As), total.....		0.01 U	0.01 U	0.005 U
Barium (Ba), total.....	0.0698	0.1354	0.0461	0.1010
Beryllium (Be), total.....		0.005 U	0.005 U	0.005 U
Calcium (Ca), total.....	15.4546	14.6231	17.2256	17.7583
Cadmium (Cd), total.....		0.005 U	0.005 U	0.001 U
Cobalt (Co), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Chromium (Cr), total.....	0.0100 U	0.0100 U	0.0100 U	0.0144
Cesium (Cs), total.....		0.2 U	0.2 U	0.02 U
Copper (Cu), total.....	0.0063 U	0.0090	0.0063 U	0.0099
Iron (Fe), total.....	0.0317	0.0282	0.0144	0.0246
Mercury (Hg), total.....		0.0002 U	0.002 U	0.0002 U
Potassium (K), total.....		5.0 U	5.0 U	1.0
Lithium (Li), total.....				
Magnesuim (Mg), total.....	2.9601	2.7824	2.9793	3.3620
Manganese (Mn), total.....	0.0051 U	0.0051 U	0.0051 U	0.0051 U
Molybdenum(Mo), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Sodium (Na), total.....	10.0773	10.6409	9.5838	14.4885
Nickel (Ni), total.....	0.0370 U	0.0370 U	0.0370 U	0.0370 U
Lead (Pb), total.....		0.005 U	0.010	0.005 U
Antimony (Sb), total.....		0.0600 U	0.06 U	0.02 U
Selenium (Se), total.....		0.0050 U	0.005 U	0.005 U
Strontium (Sr), total.....	0.0845	0.0832	0.0908	0.0963
Thallium (Tl), total.....		0.01 U	0.01 U	0.01 U
Vanadium (V), total.....	0.0240 U	0.0240 U	0.0245	0.0240 U
Zinc (Zn), total.....	0.0398	0.04	0.0200 U	0.1858

ALLUVIAL WELLS WEST OF PLANT
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-096	0287-881-060	0387-881-091	0487-881-011
Customer ID:	47-86-05-13-87	47-86-06-23-87	47-86-08-14-87	47-86-10-06-87
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L

Metals

Silver (Ag), total.....	0.0076 U	0.0076 U	0.0076 U	0.0076 U
Aluminum (Al), total.....	0.0290 U	0.0290 U	0.0290 U	0.0290 U
Arsenic (As), total.....	0.01 U	0.01 U	0.005 U	0.005 U
Barium (Ba), total.....	0.0663	0.0474	0.1017	0.0492
Beryllium (Be), total.....	0.005 U	0.005 U	0.005 U	0.005 U
Calcium (Ca), total.....	21.8236	19.1714	18.6199	16.4384
Cadmium (Cd), total.....	0.005 U	0.005 U	0.001 U	0.001 U
Cobalt (Co), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Chromium (Cr), total.....	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Cesium (Cs), total.....	0.2 U	0.2 U	0.02 U	0.02 U
Copper (Cu), total.....	0.0087	0.0063 U	0.0068	0.0063 U
Iron (Fe), total.....	0.0069 U	0.0147	0.0149	0.0069 U
Mercury (Hg), total.....	0.0002 U	0.003	0.0002 U	0.0002 U
Potassium (K), total.....	5.0 U	5.0 U	0.5	0.57
Lithium (Li), total.....				0.1 U
Magnesuim (Mg), total.....	3.8325	3.1143	3.1834	2.8904
Manganese (Mn), total.....	0.0325	0.0263	0.0192	0.0139
Molybdenum(Mo), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Sodium (Na), total.....	15.6347	13.0281	17.2126	13.2303
Nickel (Ni), total.....	0.0370 U	0.0370 U	0.0370 U	0.0370 U
Lead (Pb), total.....	0.005 U	0.036	0.005 U	0.005 U
Antimony (Sb), total.....	0.0600 U	0.06 U	0.02 U	0.02 U
Selenium (Se), total.....	0.0050 U	0.005 U	0.005 U	0.005 U
Strontium (Sr), total.....	0.1075	0.0933	0.0998	0.0903
Thallium (Tl), total.....	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium (V), total.....	0.0240 U	0.0275	0.0240 U	0.0240 U
Zinc (Zn), total.....	0.02	0.0200 U	0.0264	0.0200 U

ALLUVIAL WELLS WEST OF PLANT
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-041	0287-881-053	0387-881-106	0487-881-062
Customer ID:	49-86-04-08-87	49-86-06-18-87	49-86-08-25-87	49-86-12-16-87
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L

Metals

Silver (Ag), total.....	0.0076 U	0.0076 U	0.0076 U	0.0076 U
Aluminum (Al), total.....	0.2107	0.0290 U	0.0392	0.0473
Arsenic (As), total.....	0.0100 U	0.01 U	0.005 U	
Barium (Ba), total.....	0.5163	0.0551	0.1204	0.1046
Beryllium (Be), total.....	0.005 U	0.005 U	0.005 U	
Calcium (Ca), total.....	34.7669	29.4858	20.5711	14.8498
Cadmium (Cd), total.....	0.0050 U	0.005 U	0.001 U	
Cobalt (Co), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Chromium (Cr), total.....	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Cesium (Cs), total.....	0.2 U	0.2 U	0.02 U	
Copper (Cu), total.....	0.0063 U	0.0063 U	0.0084	0.0080
Iron (Fe), total.....	0.0293	0.0078	0.0211	0.0406
Mercury (Hg), total.....	0.0002 U	0.0002 U	0.0002 U	
Potassium (K), total.....	5.0 U	5.0 U	1.3	
Lithium (Li), total.....				
Magnesuim (Mg), total.....	7.3621	5.6582	4.3797	2.8133
Manganese (Mn), total.....	0.2289	0.0248	0.0210	0.0051 U
Molybdenum(Mo), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Sodium (Na), total.....	36.0378	27.8577	26.6908	21.2591
Nickel (Ni), total.....	0.0370 U	0.0370 U	0.0370 U	0.0370 U
Lead (Pb), total.....	0.0050 U	0.020	0.005 U	
Antimony (Sb), total.....	0.06 U	0.06 U	0.02 U	
Selenium (Se), total.....	0.005 U	0.005 U	0.005 U	
Strontium (Sr), total.....	0.1843	0.1487	0.1356	0.0771
Thallium (Tl), total.....	0.0100 U	0.01 U	0.01 U	
Vanadium (V), total.....	0.0240 U	0.0240 U	0.0240 U	0.0240 U
Zinc (Zn), total.....	0.49	0.0200 U	0.0267	0.0200 U

ALLUVIAL WELLS WEST OF PLANT
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-081	0287-881-049	0387-881-092	0487-881-047
Customer ID:	50-86-05-11-87	50-86-06-17-87	50-86-08-14-87	50-86-12-11-87
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L

Metals

Silver (Ag), total.....	0.0076 U	0.0076 U	0.0076 U	0.0076 U
Aluminum (Al), total.....	0.0567	0.0290 U	0.0290 U	0.5854
Arsenic (As), total.....	0.0100 U	0.01 U	0.005 U	0.005 U
Barium (Ba), total.....	0.1588	0.0597	0.0822	0.1607
Beryllium (Be), total.....	0.005 U	0.005 U	0.005 U	
Calcium (Ca), total.....	36.4507	34.4230	31.0017	30.4438
Cadmium (Cd), total.....	0.0011	0.005 U	0.001 U	
Cobalt (Co), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Chromium (Cr), total.....	0.1356	0.0100 U	0.0114	0.0148
Cesium (Cs), total.....	0.2 U	0.2 U	0.02 U	
Copper (Cu), total.....	0.0261	0.0063 U	0.0063 U	0.0383
Iron (Fe), total.....	0.5953	0.0069 U	0.0106	0.4740
Mercury (Hg), total.....	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Potassium (K), total.....	5.0 U	5.0 U	0.8	
Lithium (Li), total.....				
Magnesuim (Mg), total.....	5.3889	5.1092	5.0253	4.8416
Manganese (Mn), total.....	0.1940	0.0051 U	0.0051 U	0.0051 U
Molybdenum(Mo), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Sodium (Na), total.....	12.9888	9.6210	10.7212	10.2008
Nickel (Ni), total.....	0.0701	0.0370 U	0.0370 U	0.0370 U
Lead (Pb), total.....	0.0050 U	0.015	0.005 U	
Antimony (Sb), total.....	0.06 U	0.06 U	0.02 U	
Selenium (Se), total.....	0.005 U	0.005 U	0.005 U	0.005 U
Strontium (Sr), total.....	0.1750	0.1768	0.1791	0.1834
Thallium (Tl), total.....	0.0100 U	0.01 U	0.01 U	
Vanadium (V), total.....	0.0240 U	0.0240 U	0.0240 U	0.0240 U
Zinc (Zn), total.....	0.07	0.0200 U	0.0237	0.0269

ALLUVIAL WELLS WEST OF PLANT
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-093	0287-881-058	0387-881-098	0487-881-048
Customer ID:	51-86-05-13-87	51-86-06-18-87	51-86-08-20-87	51-86-12-11-87
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L

Metals

Silver (Ag), total.....	0.0076 U	0.0076 U	0.0076 U	0.0076 U
Aluminum (Al), total.....	0.1042	0.0290 U	0.8289	0.0290 U
Arsenic (As), total.....	0.0100 U	0.01 U	0.005 U	0.005 U
Barium (Ba), total.....	0.1330	0.0514	0.1502	0.0745
Beryllium (Be), total.....	0.005 U	0.005 U	0.005 U	
Calcium (Ca), total.....	23.0047	19.1503	18.9247	15.8726
Cadmium (Cd), total.....	0.0050 U	0.005 U	0.001 U	
Cobalt (Co), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Chromium (Cr), total.....	0.0100 U	0.0100 U	0.0173	0.0152
Cesium (Cs), total.....	0.2 U	0.2 U	0.02 U	
Copper (Cu), total.....	0.0174 U	0.0063 U	0.0063 U	0.0141
Iron (Fe), total.....	0.0711	0.0069 U	0.5748	0.0669
Mercury (Hg), total.....	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Potassium (K), total.....	5.0 U	5.0 U	0.6	
Lithium (Li), total.....				
Magnesuim (Mg), total.....	4.5871	3.3494	3.4800	2.9424
Manganese (Mn), total.....	0.0265	0.0065	0.0242	0.0051 U
Molybdenum(Mo), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Sodium (Na), total.....	14.6574	9.4233	16.3487	9.5898
Nickel (Ni), total.....	0.0370 U	0.0370 U	0.0370 U	0.0370 U
Lead (Pb), total.....	0.0050 U	0.036	0.005 U	
Antimony (Sb), total.....	0.06 U	0.06 U	0.02 U	
Selenium (Se), total.....	0.005 U	0.005 U	0.005 U	0.005 U
Strontium (Sr), total.....	0.1227	0.0913	0.0984	0.0929
Thallium (Tl), total.....	0.0100 U	0.01 U	0.01 U	
Vanadium (V), total.....	0.0240 U	0.0240 U	0.0240 U	0.0240 U
Zinc (Zn), total.....	0.07	0.0200 U	0.0336	0.0200 U

ALLUVIAL WELLS WEST OF PLANT
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-104	0287-881-015	0387-881-143	0487-881-003
Customer ID:	55-86-05-18-87	55-86-05-28-87	55-86-07-15-87	55-86-10-01-87
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L

Metals

Silver (Ag), total.....	0.0076 U	0.0076 U	0.0076 U	0.0076 U
Aluminum (Al), total.....	0.2226	0.0331	0.0290 U	0.0290 U
Arsenic (As), total.....	0.0100 U	0.01 U	0.005 U	0.005 U
Barium (Ba), total.....	0.0495	0.0477	0.0531	0.0595
Beryllium (Be), total.....	0.005 U	0.005 U	0.005 U	0.005 U
Calcium (Ca), total.....	32.5947	33.7842	21.8573	21.9489
Cadmium (Cd), total.....	0.0050 U	0.005 U	0.0004 J	0.0003 J
Cobalt (Co), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Chromium (Cr), total.....	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Cesium (Cs), total.....	0.2 U	0.2 U	0.02 U	0.02 U
Copper (Cu), total.....	0.0063 U	0.0063 U	0.0463	0.0063 U
Iron (Fe), total.....	0.1248	0.0069 U	0.0148	0.0100
Mercury (Hg), total.....	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Potassium (K), total.....	5.0 U	5.0 U	0.7	0.78
Lithium (Li), total.....				0.01 J
Magnesuim (Mg), total.....	5.8869	5.6911	3.6568	4.0631
Manganese (Mn), total.....	0.0655	0.0235	0.0068	0.0051 U
Molybdenum(Mo), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Sodium (Na), total.....	13.0930	12.1739	8.0479	9.9340
Nickel (Ni), total.....	0.0370 U	0.0370 U	0.0370 U	0.0370 U
Lead (Pb), total.....	0.0050 U	0.010	0.005 U	0.005 U
Antimony (Sb), total.....	0.06 U	0.06 U	0.02 U	0.02 U
Selenium (Se), total.....	0.005 U	0.005 U	0.005 U	0.005 U
Strontium (Sr), total.....	0.1497	0.1430	0.1134	0.1176
Thallium (Tl), total.....	0.0100 U	0.01 U	0.01 U	0.01 U
Vanadium (V), total.....	0.0240 U	0.0240	0.240 U	0.0240 U
Zinc (Zn), total.....	0.02 U	0.0200	0.0859	0.0241

ALLUVIAL WELLS WEST OF PLANT
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-144	0187-881-108	0287-881-013	0387-881-145
Customer ID:	55-86D-07-15-87	56-86-05-19-87	56-86-05-27-87	56-86-07-15-87
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L

Metals

Silver (Ag), total.....	0.0076 U	0.0076 U	0.0076 U	0.0076 U
Aluminum (Al), total.....	0.0290 U	0.0921	0.3316	0.0309
Arsenic (As), total.....	0.005 U	0.01 U	0.01 U	0.005 U
Barium (Ba), total.....	0.0580	0.0668	0.0599	0.0847
Beryllium (Be), total.....	0.005 U	0.005 U	0.005 U	0.005 U
Calcium (Ca), total.....	23.8571	30.7456	25.8710	31.0749
Cadmium (Cd), total.....	0.0005 J	0.005 U	0.005 U	0.001 U
Cobalt (Co), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Chromium (Cr), total.....	0.0100 U	0.0257	0.0100 U	0.0100 U
Cesium (Cs), total.....	0.02 U	0.2 U	0.2 U	0.02 U
Copper (Cu), total.....	0.0125	0.0063 U	0.0071	0.0127
Iron (Fe), total.....	0.0088	0.3115	0.3674	0.0145
Mercury (Hg), total.....	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Potassium (K), total.....	0.7	5.0 U	5.0 U	2.9
Lithium (Li), total.....				
Magnesuim (Mg), total.....	4.0589	6.8858	5.4196	6.8215
Manganese (Mn), total.....	0.0078	0.0481	0.0197	0.0220
Molybdenum(Mo), total.....	0.0220 U	0.0222	0.0220 U	0.220 U
Sodium (Na), total.....	11.0472	21.4615	19.2985	21.9101
Nickel (Ni), total.....	0.0370 U	0.0370 U	0.0370 U	0.0370 U
Lead (Pb), total.....	0.005 U	0.005 U	0.018	0.005 U
Antimony (Sb), total.....	0.02 U	0.0600 U	0.06 U	0.02 U
Selenium (Se), total.....	0.005 U	0.0050 U	0.005 U	0.005 U
Strontium (Sr), total.....	0.1267	0.1668	0.1393	0.1740
Thallium (Tl), total.....	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium (V), total.....	0.0240 U	0.0240 U	0.0240 U	0.0323
Zinc (Zn), total.....	0.0204	0.02 U	0.0306	0.0373

ALLUVIAL WELLS WEST OF PLANT
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0487-881-004	8608-014-09	8611-014-02	8612-002-22
Customer ID:	56-86-10-01-87	G108108860	G478611860	G498611860
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L

Metals

Silver (Ag), total.....	0.0076 U	0.010 U	0.009 U	0.009 U
Aluminum (Al), total.....	0.0290 U	0.680	0.100 U	0.100 U
Arsenic (As), total.....	0.005 U	0.001 U	0.010 U	0.010 U
Barium (Ba), total.....	0.1029	0.100 U	0.100	0.116
Beryllium (Be), total.....	0.005 U	0.037	0.005 U	0.005 U
Calcium (Ca), total.....	27.0996	18.000	15.400	35.200
Cadmium (Cd), total.....	0.001 U	0.005 U	0.007	0.005 U
Cobalt (Co), total.....	0.0220 U	0.100	0.025 U	0.020 U
Chromium (Cr), total.....	0.0100 U	0.002 U	0.010 U	0.010 U
Cesium (Cs), total.....	0.02 U	0.360	0.150 U	0.150 U
Copper (Cu), total.....	0.0063 U	0.020 U	0.020 U	0.020 U
Iron (Fe), total.....	0.0300	0.270	0.075 U	0.075 U
Mercury (Hg), total.....	0.0002 U	0.0007	0.0002 U	0.0002 U
Potassium (K), total.....	2.4	0.560	1.000 U	1.000 U
Lithium (Li), total.....	0.1 U	NA	NA	NA
Magnesuim (Mg), total.....	6.4920	6.600	2.230	7.640
Manganese (Mn), total.....	0.0196	0.010 U	0.086	0.476
Molybdenum(Mo), total.....	0.0220 U	0.510	0.100 U	0.100 U
Sodium (Na), total.....	19.9013	11.000	16.400	29.500
Nickel (Ni), total.....	0.0370 U	0.077	0.020 U	0.020 U
Lead (Pb), total.....	0.002 J	0.005 U	0.005 U	0.005 U
Antimony (Sb), total.....	0.02 U	0.020 U	0.060 U	0.055 U
Selenium (Se), total.....	0.005 U	0.002 U	0.005 U	0.005 U
Strontium (Sr), total.....	0.1674	0.068	0.080 U	0.205
Thallium (Tl), total.....	0.01 U	0.007	0.005 U	0.010 U
Vanadium (V), total.....	0.0240 U	0.850	0.025 U	0.025 U
Zinc (Zn), total.....	0.0279	0.020	0.047	0.020 U

ALLUVIAL WELLS WEST OF PLANT
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8611-004-22	8611-014-017	8610-044-22	8610-011-07
Customer ID:	G508610860	G518611860	G558610860	G568610860
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L

Metals

Silver (Ag), total.....	0.010 U	0.009 U	0.010 U	0.010 U
Aluminum (Al), total.....	0.190 U	0.100 U	0.740	0.100 U
Arsenic (As), total.....	0.010 U	0.010 U	0.002 U	0.002 U
Barium (Ba), total.....	0.190	0.110	0.140	0.100 U
Beryllium (Be), total.....	0.005 U	0.005 U	0.011	0.005 U
Calcium (Ca), total.....	30.000	12.2	22.800	26.300
Cadmium (Cd), total.....	0.005 U	0.006	0.005 U	0.005 U
Cobalt (Co), total.....	0.025 U	0.025 U	0.050 U	0.050 U
Chromium (Cr), total.....	0.010 U	0.027	0.010 U	0.010 U
Cesium (Cs), total.....	0.150 U	0.150 U	0.150 U	0.150 U
Copper (Cu), total.....	0.025 U	0.023	0.020 U	0.020 U
Iron (Fe), total.....	0.181	0.075 U	0.537	0.075 U
Mercury (Hg), total.....	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Potassium (K), total.....	1.490	1.07	4.700	2.600
Lithium (Li), total.....	NA	NA	NA	NA
Magnesuim (Mg), total.....	5.430	0.00192	4.280	6.210
Manganese (Mn), total.....	0.347	0.071	0.547	0.340
Molybdenum(Mo), total.....	0.100 U	0.100 U	0.100 U	0.100 U
Sodium (Na), total.....	12.100	21.4 U	8.770	17.800
Nickel (Ni), total.....	0.020 U	0.029	0.040 U	0.040 U
Lead (Pb), total.....	0.054	0.005 U	0.005 U	0.010 U
Antimony (Sb), total.....	0.060 U	0.060 U	0.058	0.050 U
Selenium (Se), total.....	0.005 U	0.005 U	0.002 U	0.002 U
Strontium (Sr), total.....	0.164	0.080 U	0.154	0.080 U
Thallium (Tl), total.....	0.010 U	0.010 U	0.010 U	0.010 U
Vanadium (V), total.....	0.025 U	0.025 U	0.025 U	0.025 U
Zinc (Zn), total.....	0.063	0.039	0.007	0.005

APPENDIX F-3

GROUND-WATER ANALYTICAL DATA
BEDROCK WELLS WEST OF PLANT

VOLATILE ORGANICS

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
8710-017-0010	46-86	01
0187-881-101	46-86-05-14-87	
0287-881-059	46-86-06-22-87	
0387-881-080	46-86-08-13-87	
0487-881-009	46-86-10-05-87	
0187-881-039	48-86-04-08-87	
0287-881-054	48-86-06-18-87	
0387-881-095	48-86-08-24-87	
0487-881-064	48-86-12-14-87	
8710-006-0030	52-86	03
0187-881-125	52-86-05-13-87	
0287-881-084	52-86-06-18-87	
0387-881-089	52-86-08-18-87	
0487-881-005	52-86-10-02-87	
8710-006-0060	54-86	06
0187-881-045	54-86-04-08-87	
0287-881-014	54-86-05-27-87	
0387-881-031	54-86-07-13-87	
0487-881-002	54-86-09-30-87	
8611-027-016	G468611860	
8612-002-051	G548611860	

BEDROCK WELLS WEST OF PLANT
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8710-017-0010	0187-881-101	0287-881-059	0387-881-080
Customer ID:	46-86	46-86-05-14-87	46-86-06-22-87	46-86-08-13-87
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:	1.0	1	1	

Surrogate Recovery

Toluene-d8:	102 %	%	%	%
Bromofluorobenzene:	98 %	%	%	%
1,2-Dichloroethane-d4:	106 %	%	%	%

Analytes

Chloromethane	10.00	U	NR		NR		NR	
Bromomethane	10.00	U	NR		NR		NR	
Vinyl Chloride	10.00	U	NR		NR		NR	
Chloroethane	10.00	U	NR		NR		NR	
Methylene Chloride	5.00	U	NR		NR		NR	
Acetone	4.00	JB	NR		NR		NR	
Carbon Disulfide	5.00	U	NR		NR		NR	
1,1-Dichloroethene	5.00	U	4	U	4	U	5	U
1,1-Dichloroethane	5.00	U	NR		NR		NR	
Trans-1,2-Dichloroethene	5.00	U	4	U	4	U	5	U
Chloroform	5.00	U	4	U	4	U	5	U
1,2-Dichloroethane	5.00	U	4	U	4	U	5	U
2-Butanone	10.00	U	NR		NR		NR	
1,1,1-Trichloroethane	5.00	U	4	U	4	U	5	U
Carbon Tetrachloride	5.00	U	4	U	4	U	5	U
Vinyl Acetate	10.00	U	NR		NR		NR	
Bromodichloromethane	5.00	U	NR		NR		NR	
1,2-Dichloropropane	5.00	U	NR		NR		NR	
Trans-1,3-Dichloropropene	5.00	U	NR		NR		NR	
Trichloroethene	5.00	U	4	U	4	U	5	U
Dibromochloromethane	5.00	U	NR		NR		NR	
1,1,2-Trichloroethane	5.00	U	4	U	4	U	5	U
Benzene	5.00	U	NR		NR		NR	
cis-1,3-Dichloropropene	5.00	U	NR		NR		NR	
2-Chloroethylvinylether	10.00	U	NR		NR		NR	
Bromoform	5.00	U	NR		NR		NR	
4-Methyl-2-pentanone	10.00	U	NR		NR		NR	
2-Hexanone	10.00	U	NR		NR		NR	
Tetrachloroethene	5.00	U	4	U	4	U	5	U
1,1,2,2-Tetrachloroethane	5.00	U	NR		NR		NR	
Toluene	5.00	U	NR		NR		NR	
Chlorobenzene	5.00	U	NR		NR		NR	
Ethylbenzene	5.00	U	NR		NR		NR	
Styrene	5.00	U	NR		NR		NR	
Total Xylenes	5.00	U	NR		NR		NR	

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

BEDROCK WELLS WEST OF PLANT
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0487-881-009	0187-881-039	0287-881-054	0387-881-095
Customer ID:	46-86-10-05-87	48-86-04-08-87	48-86-06-18-87	48-86-08-24-87
Matrix:	Water	Water	Water	Water
Units:	PPB	UG/L	UG/L	UG/L
Dilution Factor:		1	1	

Surrogate Recovery

Toluene-d8:	%	%	%	%
Bromofluorobenzene:	%	%	%	%
1,2-Dichloroethane-d4:	%	%	%	%

Analytes

Chloromethane		NR	NR	NR
Bromomethane		NR	NR	NR
Vinyl Chloride		NR	NR	NR
Chloroethane		NR	NR	NR
Methylene Chloride		NR	NR	NR
Acetone		NR	NR	NR
Carbon Disulfide		NR	NR	NR
1,1-Dichloroethene	5 U	4 U	4 U	5 U
1,1-Dichloroethane		NR	NR	NR
Trans-1,2-Dichloroethene	5 U	4 U	4 U	5 U
Chloroform	5 U	4 U	4 U	5 U
1,2-Dichloroethane	5 U	4 U	4 U	5 U
2-Butanone		NR	NR	NR
1,1,1-Trichloroethane	5 U	4 U	4 U	5 U
Carbon Tetrachloride	5 U	4 U	4 U	5 U
Vinyl Acetate		NR	NR	NR
Bromodichloromethane		NR	NR	NR
1,2-Dichloropropane		NR	NR	NR
Trans-1,3-Dichloropropene		NR	NR	NR
Trichloroethene	5 U	4 U	4 U	5 U
Dibromochloromethane		NR	NR	NR
1,1,2-Trichloroethane	5 U	4 U	4 U	5 U
Benzene		NR	NR	NR
cis-1,3-Dichloropropene		NR	NR	NR
2-Chloroethylvinylether		NR	NR	NR
Bromoform		NR	NR	NR
4-Methyl-2-pentanone		NR	NR	NR
2-Hexanone		NR	NR	NR
Tetrachloroethene	5 U	4 U	4 U	5 U
1,1,2,2-Tetrachloroethane		NR	NR	NR
Toluene		NR	NR	NR
Chlorobenzene		NR	NR	NR
Ethylbenzene		NR	NR	NR
Styrene		NR	NR	NR
Total Xylenes		NR	NR	NR

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

BEDROCK WELLS WEST OF PLANT
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0487-881-064	8710-006-0030	0187-881-125	0287-881-084
Customer ID:	48-86-12-14-87	52-86	52-86-05-13-87	52-86-06-18-87
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:	1.0	1.0	1	1

Surrogate Recovery

Toluene-d8:	104 %	104 %	%	%
Bromofluorobenzene:	64 %	102 %	%	%
1,2-Dichloroethane-d4:	92 %	112 %	%	%

Analytes

Chloromethane.....	10 U	10.00 U	NR	NR
Bromomethane.....	10 U	10.00 U	NR	NR
Vinyl Chloride.....	10 U	10.00 U	NR	NR
Chloroethane.....	10 U	10.00 U	NR	NR
Methylene Chloride.....	7.00	5.00 U	NR	NR
Acetone.....	4.00 J	3.00 JB	NR	NR
Carbon Disulfide.....	5 U	5.00 U	NR	NR
1,1-Dichloroethene.....	5 U	5.00 U	4 U	4 U
1,1-Dichloroethane.....	5 U	5.00 U	NR	NR
Trans-1,2-Dichloroethene.....	5 U	5.00 U	4 U	4 U
Chloroform.....	5 U	5.00 U	4 U	4 U
1,2-Dichloroethane.....	5 U	5.00 U	4 U	4 U
2-Butanone.....	10 U	10.00 U	NR	NR
1,1,1-Trichloroethane.....	5 U	5.00 U	4 U	4 U
Carbon Tetrachloride.....	5 U	5.00 U	4 U	4 U
Vinyl Acetate.....	10 U	10.00 U	NR	NR
Bromodichloromethane.....	5 U	5.00 U	NR	NR
1,2-Dichloropropane.....	5 U	5.00 U	NR	NR
Trans-1,3-Dichloropropene.....	5 U	5.00 U	NR	NR
Trichloroethene.....	5 U	5.00 U	4 U	4 U
Dibromochloromethane.....	5 U	5.00 U	NR	NR
1,1,2-Trichloroethane.....	5 U	5.00 U	4 U	4 U
Benzene.....	5 U	5.00 U	NR	NR
cis-1,3-Dichloropropene.....	5 U	5.00 U	NR	NR
2-Chloroethylvinylether.....	NR	10.00 U	NR	NR
Bromoform.....	5 U	5.00 U	NR	NR
4-Methyl-2-pentanone.....	10 U	10.00 U	NR	NR
2-Hexanone.....	10 U	10.00 U	NR	NR
Tetrachloroethene.....	5 U	5.00 U	4 U	4 U
1,1,2,2-Tetrachloroethane.....	5 U	5.00 U	NR	NR
Toluene.....	5 U	5.00 U	NR	NR
Chlorobenzene.....	5 U	5.00 U	NR	NR
Ethylbenzene.....	5 U	5.00 U	NR	NR
Styrene.....	5 U	5.00 U	NR	NR
Total Xylenes.....	5 U	5.00 U	NR	NR

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

BEDROCK WELLS WEST OF PLANT
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-089	0487-881-005	8710-006-0060	0187-881-045
Customer ID:	52-86-08-18-87	52-86-10-02-87	54-86	54-86-04-08-87
Matrix:	Water	Water	Water	Water
Units:	UG/L	PPB	UG/L	UG/L
Dilution Factor:			1.0	1

Surrogate Recovery

Toluene-d8:	%	%	100 %	%
Bromofluorobenzene:	%	%	100 %	%
1,2-Dichloroethane-d4:	%	%	110 %	%

Analytes

Chloromethane	NR		10.00 U	NR
Bromomethane	NR		10.00 U	NR
Vinyl Chloride	NR		10.00 U	NR
Chloroethane	NR		10.00 U	NR
Methylene Chloride	NR		5.00 U	NR
Acetone	NR		1.00 JB	NR
Carbon Disulfide	NR		5.00 U	NR
1,1-Dichloroethene	5 U	5 U	5.00 U	4 U
1,1-Dichloroethane	NR		5.00 U	NR
Trans-1,2-Dichloroethene	5 U	5 U	5.00 U	4 U
Chloroform	5 U	5 U	5.00 U	4 U
1,2-Dichloroethane	5 U	5 U	5.00 U	4 U
2-Butanone	NR		10.00 U	NR
1,1,1-Trichloroethane	5 U	5 U	5.00 U	4 U
Carbon Tetrachloride	5 U	5 U	5.00 U	4 U
Vinyl Acetate	NR		10.00 U	NR
Bromodichloromethane	NR		5.00 U	NR
1,2-Dichloropropane	NR		5.00 U	NR
Trans-1,3-Dichloropropene	NR		5.00 U	NR
Trichloroethene	5 U	5 U	5.00 U	4 U
Dibromochloromethane	NR		5.00 U	NR
1,1,2-Trichloroethane	5 U	5 U	5.00 U	4 U
Benzene	NR		5.00 U	NR
cis-1,3-Dichloropropene	NR		5.00 U	NR
2-Chloroethylvinylether	NR		10.00 U	NR
Bromoform	NR		5.00 U	NR
4-Methyl-2-pentanone	NR		10.00 U	NR
2-Hexanone	NR		10.00 U	NR
Tetrachloroethene	5 U	5 U	5.00 U	4 U
1,1,2,2-Tetrachloroethane	NR		5.00 U	NR
Toluene	NR		5.00 U	NR
Chlorobenzene	NR		5.00 U	NR
Ethylbenzene	NR		5.00 U	NR
Styrene	NR		5.00 U	NR
Total Xylenes	NR		5.00 U	NR

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

BEDROCK WELLS WEST OF PLANT
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0287-881-014	0387-881-031	0487-881-002	8611-027-016
Customer ID:	54-86-05-27-87	54-86-07-13-87	54-86-09-30-87	G468611860
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:	1			1

Surrogate Recovery

Toluene-d8:	%	%	%	96 %
Bromofluorobenzene:	%	%	%	98 %
1,2-Dichloroethane-d4:	%	%	%	92 %

Analytes

Chloromethane.....	NR	NR		10 U
Bromomethane.....	NR	NR		10 U
Vinyl Chloride.....	NR	NR		10 U
Chloroethane.....	NR	NR		10 U
Methylene Chloride.....	NR	NR		1 JB
Acetone.....	NR	NR		8 J
Carbon Disulfide.....	NR	NR		1 J
1,1-Dichloroethene.....	4 U	4 U	5 U	5 U
1,1-Dichloroethane.....	NR	NR		5 U
Trans-1,2-Dichloroethene.....	4 U	4 U	5 U	5 U
Chloroform.....	4 U	4 U	5 U	5 U
1,2-Dichloroethane.....	4 U	4 U	5 U	5 U
2-Butanone.....	NR	NR		10 U
1,1,1-Trichloroethane.....	4 U	4 U	5 U	5 U
Carbon Tetrachloride.....	4 U	4 U	5 U	5 U
Vinyl Acetate.....	NR	NR		10 U
Bromodichloromethane.....	NR	NR		5 U
1,2-Dichloropropane.....	NR	NR		5 U
Trans-1,3-Dichloropropene.....	NR	NR		5 U
Trichloroethene.....	4 U	4 U	5 U	5 U
Dibromochloromethane.....	NR	NR		5 U
1,1,2-Trichloroethane.....	4 U	4 U	5 U	5 U
Benzene.....	NR	NR		5 U
cis-1,3-Dichloropropene.....	NR	NR		5 U
2-Chloroethylvinylether.....	NR	NR		10 U
Bromoform.....	NR	NR		5 U
4-Methyl-2-pentanone.....	NR	NR		10 U
2-Hexanone.....	NR	NR		10 U
Tetrachloroethene.....	4 U	4 U	5 U	5 U
1,1,2,2-Tetrachloroethane.....	NR	NR		5 U
Toluene.....	NR	NR		1 J
Chlorobenzene.....	NR	NR		5 U
Ethylbenzene.....	NR	NR		5 U
Styrene.....	NR	NR		5 U
Total Xylenes.....	NR	NR		5 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

BEDROCK WELLS WEST OF PLANT
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8612-002-051
Customer ID:	G548611860
Matrix:	Water
Units:	UG/L
Dilution Factor:	1

Surrogate Recovery

Toluene-d8:	110 %
Bromofluorobenzene:	100 %
1,2-Dichloroethane-d4:	102 %

Analytes

Chloromethane	10	U
Bromomethane	10	U
Vinyl Chloride	10	U
Chloroethane	10	U
Methylene Chloride	5	U
Acetone	10	U
Carbon Disulfide	5	U
1,1-Dichloroethene	5	U
1,1-Dichloroethane	5	U
Trans-1,2-Dichloroethene	5	U
Chloroform	5	U
1,2-Dichloroethane	5	U
2-Butanone	10	U
1,1,1-Trichloroethane	5	U
Carbon Tetrachloride	5	U
Vinyl Acetate	10	U
Bromodichloromethane	5	U
1,2-Dichloropropane	5	U
Trans-1,3-Dichloropropene	5	U
Trichloroethene	5	U
Dibromochloromethane	5	U
1,1,2-Trichloroethane	5	U
Benzene	5	U
cis-1,3-Dichloropropene	5	U
2-Chloroethylvinylether	10	U
Bromoform	5	U
4-Methyl-2-pentanone	10	U
2-Hexanone	10	U
Tetrachloroethene	5	U
1,1,2,2-Tetrachloroethane	5	U
Toluene	5	U
Chlorobenzene	5	U
Ethylbenzene	5	U
Styrene	5	U
Total Xylenes	5	U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

RADIONUCLIDES

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
0187-881-106	46-86-05-14-87	
0287-881-059	46-86-06-22-87	
0387-881-066	46-86-08-14-87	
0187-123-017	46-86-10-06-87	
0487-881-006	46-86-10-06-87	
0187-881-042	48-86-04-08-87	
0287-881-054	48-86-06-18-87	
0387-881-084	48-86-08-25-87	
0187-881-100	52-86-05-13-87	
0287-881-079	52-86-06-18-87	
0387-881-072	52-86-08-19-87	
0187-123-008	52-86-10-02-87	
0187-123-009	52-86-10-02-87	
0487-881-004	52-86-10-02-87	
0187-881-045	54-86-04-08-87	
0287-881-014	54-86-05-27-87	
0387-881-013	54-86-07-14-87	
0187-123-012	54-86-10-01-87	
0487-881-001	54-86-10-01-87	
1000-000-297	G548611860	23207-4-2

BEDROCK WELLS WEST OF PLANT
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS) Page: 1

Sample Information

RFW Batch ID:	0187-881-106	0287-881-059	0387-881-066
Customer ID:	46-86-05-14-87	46-86-06-22-87	46-86-08-14-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha	184 +/- 33	pc/l	16 +/- 3	pci/l	23 +/- 22	pci/l
Gross Beta	95 +/- 5	pc/l	4 +/- 17	pci/l	5 +/- 38	pci/l
Uranium 233, 234	5.7 +/- 1.2	pc/l	4.0 +/- 1.4	pci/l	3.9 +/- 1.6	pci/l
Uranium 235	.50 +/- .42	pc/l	0.5 +/- 0.6	pci/l	0.3 +/- 0.4	pci/l
Uranium 238	3.9 +/- 1.0	pc/l	2.3 +/- 1.0	pci/l	7.5 +/- 1.7	pci/l
Strontium 89, 90	5.04	pc/l	NR		1.9	pci/l
Plutonium 239, 240	0.0 +/- .77	pc/l	0.0 +/- 0.7	pci/l	.01 +/- .92	pci/l
Americium 241	0.0 +/- 1.4	pc/l	0.0 +/- 1.2	pci/l	-.04 +/- .38	pci/l
Cesium 137	NR		NR			
Tritium	1100	pc/l	NR		<526	pci/l

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-123-017	0487-881-006	0187-881-042
Customer ID:	46-86-10-06-87	46-86-10-06-87	48-86-04-08-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha					-7 +/- 3	pci/l
Gross Beta					11 +/- 2	pci/l
Uranium 233, 234	4.244 +/- 0.669	pci/l	2.6 +/- 0.4	pci/l	4.4 +/- 5.1	pci/l
Uranium 235			.09 +/- .06	pci/l	0.0 +/- .52	pci/l
Uranium 238	2.306 +/- 0.330	pci/l	1.2 +/- 0.2	pci/l	1.1 +/- 5.0	pci/l
Strontium 89, 90			<1.0	pci/l	NR	
Plutonium 239, 240	-0.034 +/- 0.038	pci/l	0.00 +/- .07	pci/l	0.0 +/- 1.1	pci/l
Americium 241	-0.020 +/- 0.037	pci/l	.24 +/- .71	pci/l	0.0 +/- 2.3	pci/l
Cesium 137					NR	
Tritium			<460	pci/l	310	pci/l

BEDROCK WELLS WEST OF PLANT
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0287-881-054	0387-881-084	0187-881-100
Customer ID:	48-86-06-18-87	48-86-08-25-87	52-86-05-13-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha.....	27 +/- 3	pci/l	9 +/- 18	pci/l	36 +/- 29	pc/l
Gross Beta.....	67 +/- 22	pci/l	-6 +/- 37	pci/l	11 +/- 71	pc/l
Uranium 233, 234.....	1.8 +/- 0.8	pci/l	0.8 +/- 1.5	pci/l	.09 +/- .64	pc/l
Uranium 235.....	0.06 +/- 0.32	pci/l	-0.1 +/- 0.6	pci/l	0.0 +/- .28	pc/l
Uranium 238.....	1.2 +/- 0.6	pci/l	0.0 +/- 1.5	pci/l	.31 +/- .46	pc/l
Strontium 89, 90.....	NR		3.7	pci/l	0.8	pc/l
Plutonium 239, 240.....	0.03 +/- 0.63	pci/l	-.32 +/- .78	pci/l	.12 +/- .67	pc/l
Americium 241.....	0.0 +/- 1.2	pci/l	.03 +/- .37	pci/l	0.0 +/- 2.1	pc/l
Cesium 137.....	NR				NR	
Tritium.....	NR		<526	pci/l	1500	pc/l

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0287-881-079	0387-881-072	0187-123-008
Customer ID:	52-86-06-18-87	52-86-08-19-87	52-86-10-02-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha.....	11 +/- 3	pci/l	10 +/- 19	pci/l		
Gross Beta.....	-2 +/- 13	pci/l	38 +/- 46	pci/l		
Uranium 233, 234.....	0.0 +/- 0.5	pci/l	0.0 +/- 1.1	pci/l	0.074 +/- 0.150	pci/l
Uranium 235.....	0.0 +/- 0.3	pci/l	0.1 +/- 0.4	pci/l		
Uranium 238.....	0.2 +/- 0.4	pci/l	0.0 +/- 0.7	pci/l	0.053 +/- 0.058	pci/l
Strontium 89, 90.....	<1.0	pci/l	<1.0	pci/l		
Plutonium 239, 240.....	0.3 +/- 0.7	pci/l	1.8 +/- 1.3	pci/l	-0.003 +/- 0.060	pci/l
Americium 241.....	0.0 +/- 1.2	pci/l	NR		-0.021 +/- 0.036	pci/l
Cesium 137.....						
Tritium.....	<110	pci/l	<459	pci/l		

BEDROCK WELLS WEST OF PLANT
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-123-009	0487-881-004	0187-881-045
Customer ID:	52-86-10-02-87	52-86-10-02-87	54-86-04-08-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha.....		2 +/- 4 pci/l	10 +/- 3 pc/l
Gross Beta.....		-3 +/- 9 pci/l	14 +/- 16 pc/l
Uranium 233, 234.....	0.407 +/- 0.177 pci/l	.04 +/- .07 pci/l	.19 +/- .06 pc/l
Uranium 235.....		0.00 +/- .02 pci/l	0.0 +/- 2.6 pc/l
Uranium 238.....	0.307 +/- 0.084 pci/l	.05 +/- .05 pci/l	.14 +/- .03 pc/l
Strontium 89, 90.....		<1.0 pci/l	1.02 pc/l
Plutonium 239, 240.....	-0.019 +/- 0.056 pci/l	0.00 +/- .03 pci/l	0.0 +/- 1.1 pc/l
Americium 241.....	0.003 +/- 0.039 pci/l	0.00 +/- .02 pci/l	0.0 +/- 1.2 pc/l
Cesium 137.....			NR
Tritium.....		<500 pci/l	230 pc/l

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0287-881-014	0387-881-013	0187-123-012
Customer ID:	54-86-05-27-87	54-86-07-14-87	54-86-10-01-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha.....	19 +/- 3 pci/l	0 +/- 21 pci/l	
Gross Beta.....	5 +/- 11 pci/l	10 +/- 41 pci/l	
Uranium 233, 234.....	0.4 +/- 1.0 pci/l	2.4 +/- 1.3 pci/l	1.780 +/- 0.380 pci/l
Uranium 235.....	0.0 +/- 0.74 pci/l	0.0 +/- 0.2 pci/l	
Uranium 238.....	0.07 +/- 0.87 pci/l	0.3 +/- 0.6 pci/l	0.644 +/- 0.127 pci/l
Strontium 89, 90.....	NR	<1.0 pci/l	
Plutonium 239, 240.....	0.008 +/- 0.75 pci/l	-.08 +/- .60 pci/l	0.036 +/- 0.047 pci/l
Americium 241.....	0.9 +/- 3.7 pci/l	-.04 +/- .60 pci/l	0.048 +/- 0.045 pci/l
Cesium 137.....	NR		
Tritium.....	NR	<593 pci/l	

BEDROCK WELLS WEST OF PLANT
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0487-881-001	1000-000-297
Customer ID:	54-86-10-01-87	G548611860
Matrix:	Water	Water

Radio Chemistry

Gross Alpha.....	4 +/- 4	pci/l	57 +/- 32	pci/l
Gross Beta.....	3 +/- 9	pci/l	65 +/- 48	pci/l
Uranium 233, 234.....	1.4 +/- 0.3	pci/l	6.6 +/- 1.8	pci/l
Uranium 235.....	0.00 +/- .04	pci/l	NR	
Uranium 238.....	.44 +/- .12	pci/l	4.4 +/- 1.5	pci/l
Strontium 89, 90.....	<1.0	pci/l	NR	
Plutonium 239, 240.....	0.00 +/- .22	pci/l	-0.37 +/- 0.62	pci/l
Americium 241.....	0.00 +/- .34	pci/l	0.24 +/- 0.43	pci/l
Cesium 137.....			NR	
Tritium.....	<460	pci/l	-0.21 +/- 0.24	pci/l

INORGANICS

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
0187-881-104	46-86-05-14-87	
0287-881-062	46-86-06-22-87	
0387-881-088	46-86-08-14-87	
0487-881-009	46-86-10-05-87	
0187-881-042	48-86-04-08-87	
0287-881-058	48-86-06-18-87	
0387-881-101	48-86-08-25-87	
0487-881-047	48-86-12-14-87	
0187-881-098	52-86-05-13-87	
0287-881-056	52-86-06-18-87	
0387-881-093	52-86-08-19-87	
0487-881-005	52-86-10-02-87	
0187-881-045	54-86-04-08-87	
0287-881-014	54-86-05-27-87	
0387-881-040	54-86-07-14-87	
0487-881-002	54-86-09-30-87	
8612-02-53	G548611860	

BEDROCK WELLS WEST OF PLANT
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-104	0287-881-062	0387-881-088
Customer ID:	46-86-05-14-87	46-86-06-22-87	46-86-08-14-87
Matrix:	Water	Water	Water

Inorganics

Chloride	3.90		mg/l	2.97		mg/l	2.64	mg/l
Cyanide, Total	1.0	U	mg/l	1.0	U	mg/l	1	U ug/l
Fluoride								
Nitrate-Nitrite-Nitrogen	0.54		mg/l	0.20	U	mg/l	1	U mg/l
Total Organic Carbon								
pH								
Sulfate	20.0		mg/l	19.0		mg/l	12.5	mg/l
Specific Conductance								
Turbidity								
Sulfide								
Oil and Grease								
Ignitability (Degrees)								
% Solids								
Total Dissolved Solids	228		mg/l	242		mg/l	244	mg/l
HCO3-	248		mg/l	180		mg/l	210	mg/l
CO3=				NR				
Suspended Solids								
Hexavalent Chromium (Cr+6)								

BEDROCK WELLS WEST OF PLANT
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0487-881-009	0187-881-042	0287-881-058
Customer ID:	46-86-10-05-87	48-86-04-08-87	48-86-06-18-87
Matrix:	Water	Water	Water

Inorganics

Chloride				15.6		mg/l	10.7	mg/l
Cyanide, Total	NR			1.0	U	mg/l	1.0 U	mg/l
Fluoride								
Nitrate-Nitrite-Nitrogen	0.20	U	mg/l	0.20	U	mg/l	0.20 U	mg/l
Total Organic Carbon								
pH								
Sulfate				96.0		mg/l	20.0	mg/l
Specific Conductance								
Turbidity								
Sulfide								
Oil and Grease								
Ignitability (Degrees)								
% Solids								
Total Dissolved Solids				133		mg/l	175	mg/l
HCO3-				80.2		mg/l	104	mg/l
CO3=							NR	
Suspended Solids								
Hexavalent Chromium (Cr+6)								

BEDROCK WELLS WEST OF PLANT
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-101			0487-881-047			0187-881-098				
Customer ID:	48-86-08-25-87			48-86-12-14-87			52-86-05-13-87				
Matrix:	Water			Water			Water				
Inorganics											
Chloride	12.50		mg/l	12.0		mg/l	1.70		mg/l		
Cyanide, Total	1	U	ug/l	NR			1.0	U	mg/l		
Fluoride											
Nitrate-Nitrite-Nitrogen	1	U	mg/l	0.02	U	mg/l	0.20	U	mg/l		
Total Organic Carbon											
pH											
Sulfate	12.0		mg/l	12.7		mg/l	64.0		mg/l		
Specific Conductance											
Turbidity											
Sulfide											
Oil and Grease											
Ignitability (Degrees)											
% Solids											
Total Dissolved Solids	211		mg/l	200		mg/l	147		mg/l		
HCO3-	167		mg/l	171		mg/l	58.0		mg/l		
CO3=				NR							
Suspended Solids											
Hexavalent Chromium (Cr+6)											

BEDROCK WELLS WEST OF PLANT
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0287-881-056			0387-881-093			0487-881-005	
Customer ID:	52-86-06-18-87			52-86-08-19-87			52-86-10-02-87	
Matrix:	Water			Water			Water	

Inorganics

Chloride	1.33		mg/l	21.4		mg/l	1.30		mg/l
Cyanide, Total	1.0	U	mg/l	1	U	ug/l	NR		
Fluoride									
Nitrate-Nitrite-Nitrogen	0.20	U	mg/l	1	U	mg/l	0.20	U	mg/l
Total Organic Carbon									
pH									
Sulfate	59.0		mg/l	66.0		mg/l	55.0		mg/l
Specific Conductance									
Turbidity									
Sulfide									
Oil and Grease									
Ignitability (Degrees)									
% Solids									
Total Dissolved Solids	129		mg/l	153		mg/l	136		mg/l
HCO3-	29.8		mg/l	35.6		mg/l	28.4		mg/l
CO3=	NR						13.4		mg/l
Suspended Solids									
Hexavalent Chromium (Cr+6)									

BEDROCK WELLS WEST OF PLANT
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-045			0287-881-014			0387-881-040		
Customer ID:	54-86-04-08-87			54-86-05-27-87			54-86-07-14-87		
Matrix:	Water			Water			Water		
Inorganics									
Chloride	20.7		mg/l	18.9		mg/l	24.0		mg/l
Cyanide, Total	1.0	U	mg/l	1.0	U	mg/l	1	U	ug/l
Fluoride									
Nitrate-Nitrite-Nitrogen	0.20	U	mg/l	0.20	U	mg/l	1	U	mg/l
Total Organic Carbon									
pH									
Sulfate	43.0		mg/l	52.0		mg/l	41.0		mg/l
Specific Conductance									
Turbidity									
Sulfide									
Oil and Grease									
Ignitability (Degrees)									
% Solids									
Total Dissolved Solids	428		mg/l	433		mg/l	433		mg/l
HCO3-	246		mg/l	318		mg/l	267		mg/l
CO3=									
Suspended Solids									
Hexavalent Chromium (Cr+6)									

BEDROCK WELLS WEST OF PLANT
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0487-881-002	8612-02--3
Customer ID:	54-86-09-30-87	G548611860
Matrix:	Water	Water

Inorganics

Chloride	20.0		mg/l	15		mg/l
Cyanide, Total	NR			0.005	U	mg/l
Fluoride						
Nitrate-Nitrite-Nitrogen	0.20	U	mg/l			
Total Organic Carbon						
pH						
Sulfate	45.0		mg/l	44		mg/l
Specific Conductance						
Turbidity						
Sulfide						
Oil and Grease						
Ignitability (Degrees)						
% Solids						
Total Dissolved Solids	425		mg/l	311		mg/l
HCO3-	330		mg/l	8.8		mg/l
CO3=	NR			257		mg/l
Suspended Solids				311		mg/l
Hexavalent Chromium (Cr+6)						

METALS

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
0187-881-101	46-86-05-14-87	
0287-881-059	46-86-06-23-87	
0387-881-090	46-86-08-14-87	
0487-881-010	46-86-10-06-87	
0187-881-039	48-86-04-08-87	
0287-881-054	48-86-06-18-87	
0387-881-105	48-86-08-25-87	
0487-881-052	48-86-12-15-87	
0287-881-084	52-86-06-18-87	
0387-881-095	52-86-08-19-87	
0487-881-006	52-86-10-02-87	
0187-881-045	54-86-04-08-87	
0287-881-014	54-86-05-28-87	
0387-881-141	54-86-07-13-87	
0487-881-002	54-86-10-01-87	
8611-027-17	G468611860	
8612-002-52	G548611860	

BEDROCK WELLS WEST OF PLANT
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-101	0287-881-059	0387-881-090	0487-881-010
Customer ID:	46-86-05-14-87	46-86-06-23-87	46-86-08-14-87	46-86-10-06-87
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L

Metals

Silver	(Ag), total.....	0.0076	U	0.0076	U	0.0076	U	0.0076	U
Aluminum	(Al), total.....	0.7932		0.0290	U	0.0370		0.0290	U
Arsenic	(As), total.....	0.01	U	0.01	U	0.005	U	0.005	U
Barium	(Ba), total.....	0.2010		0.1498		0.2224		0.1851	
Beryllium	(Be), total.....	0.005	U	0.005	U	0.005	U	0.005	U
Calcium	(Ca), total.....	33.8259		36.0500		43.8021		38.3442	
Cadmium	(Cd), total.....	0.005	U	0.005	U	0.001	U	0.001	U
Cobalt	(Co), total.....	0.0220	U	0.0220	U	0.0220	U	0.0220	U
Chromium	(Cr), total.....	0.0100	U	0.0100	U	0.0100	U	0.0100	U
Cesium	(Cs), total.....	0.2	U	0.2	U	0.02	U	0.02	U
Copper	(Cu), total.....	0.0093		0.0063	U	0.0090		0.0063	U
Iron	(Fe), total.....	0.5391		0.0279		0.0137		0.0069	U
Mercury	(Hg), total.....	0.0002	U	0.0003		0.0002	U	0.0002	U
Potassium	(K), total.....	5.0	U	8.0		4.4		3.7	
Lithium	(Li), total.....							0.03	J
Magnesuim	(Mg), total.....	9.6724		10.7961		11.7295		11.0213	
Manganese	(Mn), total.....	0.0884		0.0680		0.0710		0.0545	
Molybdenum	(Mo), total.....	0.0220	U	0.0244		0.0224		0.0220	U
Sodium	(Na), total.....	28.5185		32.6587		37.7556		31.6284	
Nickel	(Ni), total.....	0.0370	U	0.0370	U	0.0370	U	0.0370	U
Lead	(Pb), total.....	0.005	U	0.030	U	0.005	U	0.005	U
Antimony	(Sb), total.....	0.0600	U	0.06	U	0.02	U	0.02	U
Selenium	(Se), total.....	0.0050	U	0.005	U	0.005	U	0.005	U
Strontium	(Sr), total.....	0.3764		0.4548		0.4952		0.4530	
Thallium	(Tl), total.....	0.01	U	0.01	U	0.01	U	0.01	U
Vanadium	(V), total.....	0.0240	U	0.0240	U	0.0240	U	0.0240	U
Zinc	(Zn), total.....	0.02	U	0.0200	U	0.0200	U	0.0200	U

BEDROCK WELLS WEST OF PLANT
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-039	0287-881-054	0387-881-105	0487-881-052
Customer ID:	48-86-04-08-87	48-86-06-18-87	48-86-08-25-87	48-86-12-15-87
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L

Metals

Silver (Ag), total.....	0.0076 U	0.0076 U	0.0076 U	0.0076 U
Aluminum (Al), total.....	0.0510	0.0407	0.0353	0.0779
Arsenic (As), total.....	0.0100 U	0.01 U	0.004 J	
Barium (Ba), total.....	0.0357	0.0100 U	0.1318	0.0813
Beryllium (Be), total.....	0.005 U	0.005 U	0.005 U	
Calcium (Ca), total.....	7.0742	9.0635	18.1628	15.0728
Cadmium (Cd), total.....	0.0050 U	0.005 U	0.001 U	
Cobalt (Co), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Chromium (Cr), total.....	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Cesium (Cs), total.....	0.2 U	0.2 U	0.02 U	
Copper (Cu), total.....	0.0063 U	0.0063 U	0.0083	0.0353
Iron (Fe), total.....	0.0087	0.0646	0.0089	0.0523
Mercury (Hg), total.....	0.0002 U	0.0002 U	0.0002 U	
Potassium (K), total.....	6.0 U	5.8	5.7	
Lithium (Li), total.....				
Magnesuim (Mg), total.....	1.4113	1.9987	5.6337	4.4842
Manganese (Mn), total.....	0.0051 U	0.0051 U	0.0769	0.0508
Molybdenum(Mo), total.....	0.0327	0.0220 U	0.0220 U	0.0220 U
Sodium (Na), total.....	37.2643	45.4743	46.7407	42.0372
Nickel (Ni), total.....	0.0370 U	0.0370 U	0.0370 U	0.0370 U
Lead (Pb), total.....	0.0050 U	0.029	0.005 U	
Antimony (Sb), total.....	0.06 U	0.06 U	0.02 U	
Selenium (Se), total.....	0.005 U	0.005 U	0.005 U	
Strontium (Sr), total.....	0.1795	0.1417	0.3266	0.3071
Thallium (Tl), total.....	0.0100 U	0.01 U	0.01 U	
Vanadium (V), total.....	0.0240 U	0.0334	0.0240 U	0.0240 U
Zinc (Zn), total.....	0.09	0.0200 U	0.0200 U	0.0231

BEDROCK WELLS WEST OF PLANT
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0287-881-084	0387-881-095	0487-881-006	0187-881-045
Customer ID:	52-86-06-18-87	52-86-08-19-87	52-86-10-02-87	54-86-04-08-87
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L

Metals

Silver (Ag), total.....		0.0076 U	0.0076 U	0.0076 U
Aluminum (Al), total.....		0.0329	0.0638	0.0290 U
Arsenic (As), total.....	0.01 U	0.004 J	0.003 J	0.01 U
Barium (Ba), total.....		0.0755	0.0401	0.1062
Beryllium (Be), total.....	0.005 U	0.005 U	0.005 U	0.005 U
Calcium (Ca), total.....		25.1182	20.6578	104.4088
Cadmium (Cd), total.....	0.005 U	0.001 U	0.0003 J	0.005 U
Cobalt (Co), total.....		0.0220 U	0.0220 U	0.0220 U
Chromium (Cr), total.....		0.0100 U	0.0100 U	0.0100 U
Cesium (Cs), total.....	0.2 U	0.02 U	0.02 U	0.2 U
Copper (Cu), total.....		0.0083	0.0063 U	0.0063 U
Iron (Fe), total.....		0.0114	0.0187	0.0069 U
Mercury (Hg), total.....	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Potassium (K), total.....	5.0 U	1.2	1.9	5.0 U
Lithium (Li), total.....			0.1 U	
Magnesuim (Mg), total.....		1.8027	0.5833	25.0889
Manganese (Mn), total.....		0.0051 U	0.0051 U	0.2275
Molybdenum(Mo), total.....		0.0553	0.0401	0.0220 U
Sodium (Na), total.....		21.5207	19.4135	36.0480
Nickel (Ni), total.....		0.0370 U	0.0370 U	0.0370 U
Lead (Pb), total.....	0.011	0.005 U	0.005 U	0.005 U
Antimony (Sb), total.....	0.06 U	0.02 U	0.02 U	0.0600 U
Selenium (Se), total.....	0.005 U	0.005 U	0.005 U	0.0050 U
Strontium (Sr), total.....		0.1715	0.1697	0.8713
Thallium (Tl), total.....	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium (V), total.....		0.0304	0.0467	0.0240 U
Zinc (Zn), total.....	0.02 U	0.0200 U	0.0271	0.05

BEDROCK WELLS WEST OF PLANT
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0287-881-014	0387-881-141	0487-881-002	8611-027-17
Customer ID:	54-86-05-28-87	54-86-07-13-87	54-86-10-01-87	G468611860
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L

Metals

Silver	(Ag), total.....	0.0076	U	0.0076	U	0.0076	U	0.009	U
Aluminum	(Al), total.....	0.0290	U	0.0290	U	0.0290	U	0.350	
Arsenic	(As), total.....	0.01	U	0.005	U	0.005	U	0.010	U
Barium	(Ba), total.....	0.0570		0.0841		0.0809		0.144	
Beryllium	(Be), total.....	0.005	U	0.005	U	0.005	U	0.005	U
Calcium	(Ca), total.....	110.4414		96.2534		86.2544		13.900	
Cadmium	(Cd), total.....	0.005	U	0.0005	J	0.0003	J	0.005	U
Cobalt	(Co), total.....	0.0220	U	0.0220	U	0.0220	U	0.025	U
Chromium	(Cr), total.....	0.0100	U	0.0100	U	0.0100	U	0.010	U
Cesium	(Cs), total.....	0.2	U	0.02	U	0.02	U	0.150	U
Copper	(Cu), total.....	0.0098		0.0477		0.0217		0.020	U
Iron	(Fe), total.....	0.0069	U	0.0069	U	0.0069	U	0.132	
Mercury	(Hg), total.....	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Potassium	(K), total.....	5.0	U	5.1		4.5		7.200	
Lithium	(Li), total.....					0.04	J	NA	
Magnesuim	(Mg), total.....	22.3296		21.4287		20.6528		1.190	
Manganese	(Mn), total.....	0.0850		0.0419		0.0265		0.013	
Molybdenum	(Mo), total.....	0.0220	U	0.0220	U	0.0220	U	0.100	U
Sodium	(Na), total.....	35.7643		35.7513		32.1546		31.400	
Nickel	(Ni), total.....	0.0370	U	0.0370	U	0.0370	U	0.020	U
Lead	(Pb), total.....	0.019		0.005	U	0.005	U	0.005	U
Antimony	(Sb), total.....	0.06	U	0.02	U	0.02	U	0.060	U
Selenium	(Se), total.....	0.005	U	0.002	J	0.005	U	0.009	
Strontium	(Sr), total.....	0.8216		0.8342		0.7738		0.117	
Thallium	(Tl), total.....	0.01	U	0.01	U	0.01	U	0.010	U
Vanadium	(V), total.....	0.0240	U	0.0240	U	0.0240	U	0.025	U
Zinc	(Zn), total.....	0.0326		0.0276		0.0200	U	0.020	U

BEDROCK WELLS WEST OF PLANT
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID: 8612-002-52
Customer ID: G548611860
Matrix: Water
Units: MG/L

Metals

Silver	(Ag), total.....	0.009	U
Aluminum	(Al), total.....	0.150	
Arsenic	(As), total.....	0.010	U
Barium	(Ba), total.....	0.100	U
Beryllium	(Be), total.....	0.005	U
Calcium	(Ca), total.....	43.300	
Cadmium	(Cd), total.....	0.005	U
Cobalt	(Co), total.....	0.020	U
Chromium	(Cr), total.....	0.015	
Cesium	(Cs), total.....	0.150	U
Copper	(Cu), total.....	0.020	U
Iron	(Fe), total.....	0.110	
Mercury	(Hg), total.....	0.0002	U
Potassium	(K), total.....	6.030	
Lithium	(Li), total.....	NA	
Magnesuim	(Mg), total.....	10.400	
Manganese	(Mn), total.....	0.100	
Molybdenum	(Mo), total.....	0.100	U
Sodium	(Na), total.....	36.800	
Nickel	(Ni), total.....	0.020	U
Lead	(Pb), total.....	0.005	U
Antimony	(Sb), total.....	0.055	U
Selenium	(Se), total.....	0.005	U
Strontium	(Sr), total.....	0.326	
Thallium	(Tl), total.....	0.010	U
Vanadium	(V), total.....	0.025	U
Zinc	(Zn), total.....	0.002	U

APPENDIX F-4

GROUND-WATER ANALYTICAL DATA
ALLUVIAL WELLS

VOLATILE ORGANICS

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
0187-881-082	1-86-05-11-87	
0287-881-022	1-86-06-01-87	
0387-881-041	1-86-07-16-87	
8710-072-0020	10-74	-02
0287-881-002	10-74-05-21-87	
0487-881-024	10-74-10-20-87	
0387-881-025	2-87-07-08-87	
0687-881-013	2-87-10-07-87	
0587-881-001	4-87-05-20-87	
0387-881-027	4-87-07-08-87	
0687-881-017	4-87-10-14-87	
0487-881-077	43-87-12-17-87	
0487-881-046	47-87-11-30-87	
8711-052-0004	48-87	
0487-881-042	48-87-11-18-87	
8711-052-0003	50-87	
0487-881-041	50-87-11-18-87	
8711-063-0002	52-87	
0487-881-048	52-87-11-23-87	
8711-052-0002	53-87	
0487-881-039	53-87-11-18-87	
8711-052-0001	54-87	
0487-881-040	54-87-11-18-87	
0487-881-045	55-87-11-30-87	
0287-881-010	59-86-05-26-87	
8710-053-0030	6-87	03
0387-881-059	6-87-07-28-87	
0387-881-098	6-87-08-25-87	
0687-881-018	6-87-10-14-87	
0187-881-005	61-86-03-10-87	
0187-881-070	61-86-05-04-87	
0287-881-064	61-86-06-23-87	
0387-881-099	61-86-08-25-87	
0187-881-065	64-86-04-29-87	
0287-881-079	64-86-05-28-87	
0387-881-039	64-86-07-16-87	
0187-881-090	65-86-05-13-87	
0287-881-020	65-86-05-28-87	
0387-881-040	65-86-07-16-87	
0387-881-109	65-86-09-08-87	
0187-881-084	66-86-05-11-87	
0287-881-018	66-86-05-28-87	
0187-881-066	68-86-04-29-87	
0287-881-019	68-86-05-28-87	
0387-881-036	68-86-07-14-87	
0187-881-064	69-86-04-29-87	
0387-881-023	69-86-07-06-87	
0487-881-012	69-86-10-07-87	
8710-072-0010	9-74	-01
0187-881-004	9-74-03-09-87	
0187-881-047	9-74-04-09-87	
0287-881-001	9-74-05-21-87	

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
0387-881-017	9-74-07-01-87	
0487-881-023	9-74-10-20-87	
0487-881-038	9-74-11-16-87	
8609-004-0010	G097408860	01
8609-051-036	G658609860	
8609-051-046	G658609862	
8609-056-0060	G688609860	06
8610-028-0060	G698610860	06
8610-028-0160	G698610862	16
8705-057-0100	GW0487	10
8706-004-0050	GW287BH03	05

ALLUVIAL WELLS
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-082	0287-881-022	0387-881-041	8710-072-0020
Customer ID:	1-86-05-11-87	1-86-06-01-87	1-86-07-16-87	10-74
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:	1	1		10.0

Surrogate Recovery

Toluene-d8:	%	%	%	104 %
Bromofluorobenzene:	%	%	%	99 %
1,2-Dichloroethane-d4:	%	%	4 %	94 %

Analytes

Chloromethane.....	NR	NR	NR	100.00 U
Bromomethane.....	NR	NR	NR	100.00 U
Vinyl Chloride.....	NR	NR	NR	100.00 U
Chloroethane.....	NR	NR	NR	100.00 U
Methylene Chloride.....	NR	NR	NR	10. J
Acetone.....	NR	NR	NR	120. B
Carbon Disulfide.....	NR	NR	NR	50.00 U
1,1-Dichloroethene.....	4 U	4 U	4 U	50.00 U
1,1-Dichloroethane.....	NR	NR	NR	50.00 U
Trans-1,2-Dichloroethene.....	4 U	4 U	4 U	50.00 U
Chloroform.....	4 U	4 U	4 U	32. J
1,2-Dichloroethane.....	4 U	4 U	NR	50.00 U
2-Butanone.....	NR	NR	NR	100.00 U
1,1,1-Trichloroethane.....	4 U	4 U	4 U	50.00 U
Carbon Tetrachloride.....	4 U	4 U	4 U	50.00 U
Vinyl Acetate.....	NR	NR	NR	100.00 U
Bromodichloromethane.....	NR	NR	NR	50.00 U
1,2-Dichloropropane.....	NR	NR	NR	50.00 U
Trans-1,3-Dichloropropene.....	NR	NR	NR	50.00 U
Trichloroethene.....	4 U	4 U	4 U	580. B
Dibromochloromethane.....	NR	NR	NR	50.00 U
1,1,2-Trichloroethane.....	4 U	4 U	4 U	50.00 U
Benzene.....	NR	NR	NR	50.00 U
cis-1,3-Dichloropropene.....	NR	NR	NR	50.00 U
2-Chloroethylvinylether.....	NR	NR	NR	100.00 U
Bromoform.....	NR	NR	NR	50.00 U
4-Methyl-2-pentanone.....	NR	NR	NR	100.00 U
2-Hexanone.....	NR	NR	NR	100.00 U
Tetrachloroethene.....	4 U	4 U	4 U	50.00 U
1,1,2,2-Tetrachloroethane.....	NR	NR	NR	50.00 U
Toluene.....	NR	NR	NR	50.00 U
Chlorobenzene.....	NR	NR	NR	50.00 U
Ethylbenzene.....	NR	NR	NR	50.00 U
Styrene.....	NR	NR	NR	50.00 U
Total Xylenes.....	NR	NR	NR	50.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0287-881-002	0487-881-024	0387-881-025	0687-881-013
Customer ID:	10-74-05-21-87	10-74-10-20-87	2-87-07-08-87	2-87-10-07-87
Matrix:	Water	Water	Water	Water
Units:	UG/L	PPB	UG/L	UG/L
Dilution Factor:	1			

Surrogate Recovery

Toluene-d8:	%	%	%	%
Bromofluorobenzene:	%	%	%	%
1,2-Dichloroethane-d4:	%	%	%	%

Analytes

Chloromethane	NR		NR	NR
Bromomethane	NR		NR	NR
Vinyl Chloride	NR		NR	NR
Chloroethane	NR		NR	NR
Methylene Chloride	NR		NR	NR
Acetone	NR		NR	NR
Carbon Disulfide	NR		NR	NR
1,1-Dichloroethene	4 U	5 U	6	5 U
1,1-Dichloroethane	NR		NR	NR
Trans-1,2-Dichloroethene	4 U	5 U	4 U	5 U
Chloroform	4 U	30	4 U	5 U
1,2-Dichloroethane	140	5 U	4 U	5 U
2-Butanone	NR		NR	NR
1,1,1-Trichloroethane	4 U	5 U	4 U	5 U
Carbon Tetrachloride	1400	441	4 U	5 U
Vinyl Acetate	NR		NR	NR
Bromodichloromethane	NR		NR	NR
1,2-Dichloropropane	NR		NR	NR
Trans-1,3-Dichloropropene	NR		NR	NR
Trichloroethene	3600	258	4 U	5 U
Dibromochloromethane	NR		NR	NR
1,1,2-Trichloroethane	4 U	5 U	4 U	5 U
Benzene	NR		NR	NR
cis-1,3-Dichloropropene	NR		NR	NR
2-Chloroethylvinylether	NR		NR	NR
Bromoform	NR		NR	NR
4-Methyl-2-pentanone	NR		NR	NR
2-Hexanone	NR		NR	NR
Tetrachloroethene	4 U	5 U	4 U	5 U
1,1,2,2-Tetrachloroethane	NR		NR	NR
Toluene	NR		NR	NR
Chlorobenzene	NR		NR	NR
Ethylbenzene	NR		NR	NR
Styrene	NR		NR	NR
Total Xylenes	NR		NR	NR

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0587-881-001	0387-881-027	0687-881-017	0487-881-077
Customer ID:	4-87-05-20-87	4-87-07-08-87	4-87-10-14-87	43-87-12-17-87
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:	1			1.0

Surrogate Recovery

Toluene-d8:	%	%	%	78 %
Bromofluorobenzene:	%	%	%	76 %
1,2-Dichloroethane-d4:	%	%	%	140 %

Analytes

Chloromethane.....	NR	NR	NR	10 U
Bromomethane.....	NR	NR	NR	10 U
Vinyl Chloride.....	NR	NR	NR	10 U
Chloroethane.....	NR	NR	NR	10 U
Methylene Chloride.....	NR	NR	NR	36.00
Acetone.....	NR	NR	NR	9.00 J
Carbon Disulfide.....	NR	NR	NR	5 U
1,1-Dichloroethene.....	8	4 U	5 U	32687.00
1,1-Dichloroethane.....	NR	NR	NR	342.00
Trans-1,2-Dichloroethene.....	4 U	4 U	5 U	5070.00
Chloroform.....	4 U	4 U	5 U	5 U
1,2-Dichloroethane.....	32	4 U	5 U	5 U
2-Butanone.....	NR	NR	NR	10 U
1,1,1-Trichloroethane.....	4 U	4 U	5 U	12734.00
Carbon Tetrachloride.....	5	4 U	10	2178.00
Vinyl Acetate.....	NR	NR	NR	10 U
Bromodichloromethane.....	NR	NR	NR	5 U
1,2-Dichloropropane.....	NR	NR	NR	5 U
Trans-1,3-Dichloropropene.....	NR	NR	NR	5 U
Trichloroethene.....	525	23	44	6999.00
Dibromochloromethane.....	NR	NR	NR	5 U
1,1,2-Trichloroethane.....	4 U	4 U	5 U	48.00
Benzene.....	NR	NR	NR	5 U
cis-1,3-Dichloropropene.....	NR	NR	NR	5 U
2-Chloroethylvinylether.....	NR	NR	NR	NR
Bromoform.....	NR	NR	NR	5 U
4-Methyl-2-pentanone.....	NR	NR	NR	10 U
2-Hexanone.....	NR	NR	NR	10 U
Tetrachloroethene.....	84	4 U	6	4259.00
1,1,2,2-Tetrachloroethane.....	NR	NR	NR	5 U
Toluene.....	NR	NR	NR	67.00
Chlorobenzene.....	NR	NR	NR	5 U
Ethylbenzene.....	NR	NR	NR	5 U
Styrene.....	NR	NR	NR	5 U
Total Xylenes.....	NR	NR	NR	5 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0487-881-046	8711-052-0004	0487-881-042	8711-052-0003
Customer ID:	47-87-11-30-87	48-87	48-87-11-18-87	50-87
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:	1.0	1	1.0	1

Surrogate Recovery

Toluene-d8:	92 %	102 %	72 %	102 %
Bromofluorobenzene:	98 %	102 %	100 %	102 %
1,2-Dichloroethane-d4:	84 %	104 %	82 %	108 %

Analytes

Chloromethane	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U
Methylene Chloride	5 U	2 JB	5 U	2 JB
Acetone	10 U	4 JB	10 U	4 JB
Carbon Disulfide	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U
Trans-1,2-Dichloroethene	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U
Vinyl Acetate	10 U	10 U	10 U	10 U
Bromodichloromethane	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U
2-Chloroethylvinylether	NR	10 U	NR	10 U
Bromoform	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U
Tetrachloroethene	5 U	5 U	5 U	3 J
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U
Total Xylenes	5 U	5 U	5 U	5 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0487-881-041	8711-063-0002	0487-881-048	8711-052-0002
Customer ID:	50-87-11-18-87	52-87	52-87-11-23-87	53-87
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:	1.0	5	1.0	1

Surrogate Recovery

Toluene-d8:	74 %	100 %	88 %	102 %
Bromofluorobenzene:	98 %	107 %	108 %	102 %
1,2-Dichloroethane-d4:	80 %	106 %	84 %	104 %

Analytes

Chloromethane	10 U	50 U	10 U	10 U
Bromomethane	10 U	50 U	10 U	10 U
Vinyl Chloride	10 U	50 U	10 U	10 U
Chloroethane	10 U	50 U	10 U	10 U
Methylene Chloride	5 U	21 JB	5 U	2 JB
Acetone	10 U	130 B	10 U	9 JB
Carbon Disulfide	5 U	25 U	5 U	5 U
1,1-Dichloroethene	5 U	25 U	5 U	5 U
1,1-Dichloroethane	5 U	25 U	5 U	5 U
Trans-1,2-Dichloroethene	5 U	25 U	5 U	5 U
Chloroform	5 U	25 U	5 U	5 U
1,2-Dichloroethane	5 U	25 U	5 U	5 U
2-Butanone	10 U	50 U	10 U	10 U
1,1,1-Trichloroethane	5 U	25 U	5 U	2 J
Carbon Tetrachloride	5 U	25 U	5 U	5 U
Vinyl Acetate	10 U	50 U	10 U	10 U
Bromodichloromethane	5 U	25 U	5 U	5 U
1,2-Dichloropropane	5 U	25 U	5 U	5 U
Trans-1,3-Dichloropropene	5 U	25 U	5 U	5 U
Trichloroethene	5 U	25 U	5 U	5 U
Dibromochloromethane	5 U	25 U	5 U	5 U
1,1,2-Trichloroethane	5 U	25 U	5 U	5 U
Benzene	5 U	25 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	25 U	5 U	5 U
2-Chloroethylvinylether	NR	50 U	NR	10 U
Bromoform	5 U	25 U	5 U	5 U
4-Methyl-2-pentanone	10 U	50 U	10 U	10 U
2-Hexanone	10 U	50 U	10 U	10 U
Tetrachloroethene	5 U	25 U	5 U	3 J
1,1,2,2-Tetrachloroethane	5 U	25 U	5 U	5 U
Toluene	5 U	25 U	5 U	5 U
Chlorobenzene	5 U	25 U	5 U	5 U
Ethylbenzene	5 U	25 U	5 U	5 U
Styrene	5 U	25 U	5 U	5 U
Total Xylenes	5 U	25 U	5 U	5 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0487-881-039	8711-052-0001	0487-881-040	0487-881-045
Customer ID:	53-87-11-18-87	54-87	54-87-11-18-87	55-87-11-30-87
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:	1.0	1	1.0	1.0

Surrogate Recovery

Toluene-d8:	96 %	100 %	92 %	76 %
Bromofluorobenzene:	96 %	100 %	98 %	98 %
1,2-Dichloroethane-d4:	92 %	102 %	84 %	82 %

Analytes

Chloromethane	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U
Methylene Chloride	21.00	2 JB	5 U	5 U
Acetone	10 U	13 B	10 U	10 U
Carbon Disulfide	5 U	5 U	5 U	5 U
1,1-Dichloroethene	21.00	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U
Trans-1,2-Dichloroethene	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	18.00	2 J	5 U	5 U
Carbon Tetrachloride	6.00	5 U	5 U	5 U
Vinyl Acetate	10 U	10 U	10 U	10 U
Bromodichloromethane	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U
Trichloroethene	23.00	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U
2-Chloroethylvinylether	NR	10 U	NR	NR
Bromoform	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U
Tetrachloroethene	5 U	4 J	3.00 J	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U
Toluene	11.00	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U
Total Xylenes	5 U	5 U	5 U	5 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0287-881-010	8710-053-0030	0387-881-059	0387-881-098
Customer ID:	59-86-05-26-87	6-87	6-87-07-28-87	6-87-08-25-87
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:	1	1.0		

Surrogate Recovery

Toluene-d8:	%	96 %	%	%
Bromofluorobenzene:	%	94 %	%	%
1,2-Dichloroethane-d4:	%	92 %	%	%

Analytes

Chloromethane	NR		10.00	U	NR		NR	
Bromomethane	NR		10.00	U	NR		NR	
Vinyl Chloride	NR		10.00	U	NR		NR	
Chloroethane	NR		10.00	U	NR		NR	
Methylene Chloride	NR		3.00	JB	NR		NR	
Acetone	NR		4.00	JB	NR		NR	
Carbon Disulfide	NR		5.00	U	NR		NR	
1,1-Dichloroethene	4	U	5.00	U	NR		5	U
1,1-Dichloroethane	NR		5.00	U	NR		NR	
Trans-1,2-Dichloroethene	4	U	5.00	U	NR		5	U
Chloroform	4	U	5.00	U	NR		5	U
1,2-Dichloroethane	4	U	5.00	U	NR		5	U
2-Butanone	NR		10.00	U	NR		NR	
1,1,1-Trichloroethane	4	U	5.00	U	NR		5	U
Carbon Tetrachloride	4	U	5.00	U	NR		5	U
Vinyl Acetate	NR		10.00	U	NR		NR	
Bromodichloromethane	NR		5.00	U	NR		NR	
1,2-Dichloropropane	NR		5.00	U	NR		NR	
Trans-1,3-Dichloropropene	NR		5.00	U	NR		NR	
Trichloroethene	4	U	16.00	B	NR		20	
Dibromochloromethane	NR		5.00	U	NR		NR	
1,1,2-Trichloroethane	4	U	5.00	U	NR		5	U
Benzene	NR		5.00	U	NR		NR	
cis-1,3-Dichloropropene	NR		5.00	U	NR		NR	
2-Chloroethylvinylether	NR		10.00	U	NR		NR	
Bromoform	NR		5.00	U	NR		NR	
4-Methyl-2-pentanone	NR		10.00	U	NR		NR	
2-Hexanone	NR		10.00	U	NR		NR	
Tetrachloroethene	6		5.00	U	NR		5	U
1,1,2,2-Tetrachloroethane	NR		5.00	U	NR		NR	
Toluene	NR		5.00	U	NR		NR	
Chlorobenzene	NR		5.00	U	NR		NR	
Ethylbenzene	NR		5.00	U	NR		NR	
Styrene	NR		5.00	U	NR		NR	
Total Xylenes	NR		5.00	U	NR		NR	

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0487-881-037	8609-004-002	8609-051-037	8609-051-047
Customer ID:	9-74-11-17-87	G097408860	G658609860	G658609862
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L

Metals

Silver (Ag), total.....	0.0076 U	0.031	0.01 U	0.010 U
Aluminum (Al), total.....	0.0690	2.3	0.10 U	0.100 U
Arsenic (As), total.....	0.008	0.002 U	0.002 U	0.002 U
Barium (Ba), total.....	0.0994	0.100 U	0.10 U	0.100 U
Beryllium (Be), total.....		0.005 U	0.01	0.007
Calcium (Ca), total.....	206.2095	314	93.1	91
Cadmium (Cd), total.....	0.0013	0.005 U	0.005 U	0.005 U
Cobalt (Co), total.....	0.0220 U	0.140	0.05 U	0.050 U
Chromium (Cr), total.....	0.0139	0.010 U	0.01 U	0.010 U
Cesium (Cs), total.....	0.02 U	0.100 U	0.150 U	0.150 U
Copper (Cu), total.....	0.0165	0.025 U	0.020 U	0.020 U
Iron (Fe), total.....	0.0634	1.31	0.103	0.075 U
Mercury (Hg), total.....	0.0002 U	0.0023	0.0019	0.0017
Potassium (K), total.....		2.10	1.84	1.06
Lithium (Li), total.....				
Magnesuim (Mg), total.....	44.2873	51	24.20	24.3
Manganese (Mn), total.....	0.0145	0.084	0.127	0.098
Molybdenum(Mo), total.....	0.0220 U	0.100 U	0.10 U	0.100 U
Sodium (Na), total.....	164.4335	11.6	98.30	96.2
Nickel (Ni), total.....	0.0370 U	0.040 U	0.04 U	0.040 U
Lead (Pb), total.....		0.010 U	0.01 U	0.010 U
Antimony (Sb), total.....		0.050 U	0.078	0.062
Selenium (Se), total.....	0.09	0.021	0.0089	0.0074
Strontium (Sr), total.....	1.6738	1.9	0.63	0.525
Thallium (Tl), total.....		0.010 U	0.01 U	0.010 U
Vanadium (V), total.....	0.0240 U	0.050 U	0.025 U	0.025 U
Zinc (Zn), total.....	0.0384	0.040 U	0.028	0.023

ALLUVIAL WELLS
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8609-056-007	8610-028-007	8610-028-017
Customer ID:	G688609860	G698610860	G698610862
Matrix:	Water	Water	Water
Units:	MG/L	MG/L	MG/L

Metals

Silver	(Ag), total.....	0.01	U	0.01	U	0.010	U
Aluminum	(Al), total.....	0.10	U	0.11		0.100	U
Arsenic	(As), total.....	0.002	U	0.002	U	0.002	U
Barium	(Ba), total.....	0.10		0.160		0.120	
Beryllium	(Be), total.....	0.006		0.006		0.023	
Calcium	(Ca), total.....	28.5		144		134	
Cadmium	(Cd), total.....	0.005	U	0.005	U	0.005	U
Cobalt	(Co), total.....	0.05	U	0.05	U	0.05	U
Chromium	(Cr), total.....	0.01	U	0.01	U	0.01	U
Cesium	(Cs), total.....	0.15	U	0.15	U	0.150	U
Copper	(Cu), total.....	0.02	U	0.02	U	0.02	U
Iron	(Fe), total.....	0.076		0.075	U	0.075	U
Mercury	(Hg), total.....	0.0002	U	0.0002	U	0.0002	U
Potassium	(K), total.....	1.70		54.8		44.6	
Lithium	(Li), total.....						
Magnesuim	(Mg), total.....	7.38		40.4		41.7	
Manganese	(Mn), total.....	1.05		0.058		0.047	
Molybdenum	(Mo), total.....	0.01	U	0.10	U	0.100	U
Sodium	(Na), total.....	56.3		163		141.	
Nickel	(Ni), total.....	0.04	U	0.04	U	0.040	U
Lead	(Pb), total.....	0.01	U	0.037		0.029	
Antimony	(Sb), total.....	0.095		0.208		0.196	
Selenium	(Se), total.....	0.002	U	0.002	U	0.002	U
Strontium	(Sr), total.....	0.137		1.19		1.2	
Thallium	(Tl), total.....	0.01	U	0.016		0.016	
Vanadium	(V), total.....	0.025	U	0.025	U	0.025	U
Zinc	(Zn), total.....	0.005	U	0.005		0.005	U

ALLUVIAL WELLS
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0687-881-018	0187-881-005	0187-881-070	0287-881-064
Customer ID:	6-87-10-14-87	61-86-03-10-87	61-86-05-04-87	61-86-06-23-87
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:		1	1	1

Surrogate Recovery

Toluene-d8:	%	%	%	%
Bromofluorobenzene:	%	%	%	%
1,2-Dichloroethane-d4:	%	%	%	%

Analytes

Chloromethane.....	NR	NR	NR	NR
Bromomethane.....	NR	NR	NR	NR
Vinyl Chloride.....	NR	NR	NR	NR
Chloroethane.....	NR	NR	NR	NR
Methylene Chloride.....	NR	NR	NR	NR
Acetone.....	NR	NR	NR	NR
Carbon Disulfide.....	NR	NR	NR	NR
1,1-Dichloroethene.....	5 U	4 U	4 U	4 U
1,1-Dichloroethane.....	NR	NR	NR	NR
Trans-1,2-Dichloroethene.....	5 U	4 U	4 U	4 U
Chloroform.....	5 U	4 U	4 U	4 U
1,2-Dichloroethane.....	5 U	4 U	4 U	4 U
2-Butanone.....	NR	NR	NR	NR
1,1,1-Trichloroethane.....	5 U	4 U	4 U	4 U
Carbon Tetrachloride.....	5 U	4 U	4 U	4 U
Vinyl Acetate.....	NR	NR	NR	NR
Bromodichloromethane.....	NR	NR	NR	NR
1,2-Dichloropropane.....	NR	NR	NR	NR
Trans-1,3-Dichloropropene.....	NR	NR	NR	NR
Trichloroethene.....	12	4 U	4 U	4 U
Dibromochloromethane.....	NR	NR	NR	NR
1,1,2-Trichloroethane.....	5 U	4 U	4 U	4 U
Benzene.....	NR	NR	NR	NR
cis-1,3-Dichloropropene.....	NR	NR	NR	NR
2-Chloroethylvinylether.....	NR	NR	NR	NR
Bromoform.....	NR	NR	NR	NR
4-Methyl-2-pentanone.....	NR	NR	NR	NR
2-Hexanone.....	NR	NR	NR	NR
Tetrachloroethene.....	5 U	4 U	4 U	4 U
1,1,2,2-Tetrachloroethane.....	NR	NR	NR	NR
Toluene.....	NR	NR	NR	NR
Chlorobenzene.....	NR	NR	NR	NR
Ethylbenzene.....	NR	NR	NR	NR
Styrene.....	NR	NR	NR	NR
Total Xylenes.....	NR	NR	NR	NR

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-099	0187-881-065	0287-881-079	0387-881-039
Customer ID:	61-86-08-25-87	64-86-04-29-87	64-86-05-28-87	64-86-07-16-87
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:		1	1	

Surrogate Recovery

Toluene-d8:	%	%	%	%
Bromofluorobenzene:	%	%	%	%
1,2-Dichloroethane-d4:	%	%	%	%

Analytes

Chloromethane	NR	NR	NR	NR
Bromomethane	NR	NR	NR	NR
Vinyl Chloride	NR	NR	NR	NR
Chloroethane	NR	NR	NR	NR
Methylene Chloride	NR	NR	NR	NR
Acetone	NR	NR	NR	NR
Carbon Disulfide	NR	NR	NR	NR
1,1-Dichloroethene	5 U	4 U	4 U	4 U
1,1-Dichloroethane	NR	NR	NR	NR
Trans-1,2-Dichloroethene	5 U	4 U	4 U	4 U
Chloroform	5 U	4 U	4 U	4 U
1,2-Dichloroethane	5 U	4 U	4 U	4 U
2-Butanone	NR	NR	NR	NR
1,1,1-Trichloroethane	5 U	4 U	4 U	4 U
Carbon Tetrachloride	5 U	4 U	4 U	4 U
Vinyl Acetate	NR	NR	NR	NR
Bromodichloromethane	NR	NR	NR	NR
1,2-Dichloropropane	NR	NR	NR	NR
Trans-1,3-Dichloropropene	NR	NR	NR	NR
Trichloroethene	5 U	4 U	4 U	4 U
Dibromochloromethane	NR	NR	NR	NR
1,1,2-Trichloroethane	5 U	4 U	4 U	4 U
Benzene	NR	NR	NR	NR
cis-1,3-Dichloropropene	NR	NR	NR	NR
2-Chloroethylvinylether	NR	NR	NR	NR
Bromoform	NR	NR	NR	NR
4-Methyl-2-pentanone	NR	NR	NR	NR
2-Hexanone	NR	NR	NR	NR
Tetrachloroethene	5 U	4 U	4 U	4 U
1,1,2,2-Tetrachloroethane	NR	NR	NR	NR
Toluene	NR	NR	NR	NR
Chlorobenzene	NR	NR	NR	NR
Ethylbenzene	NR	NR	NR	NR
Styrene	NR	NR	NR	NR
Total Xylenes	NR	NR	NR	NR

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-090	0287-881-020	0387-881-040	0387-881-109
Customer ID:	65-86-05-13-87	65-86-05-28-87	65-86-07-16-87	65-86-09-08-87
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:	1	1		

Surrogate Recovery

Toluene-d8:	%	%	%	%
Bromofluorobenzene:	%	%	%	%
1,2-Dichloroethane-d4:	%	%	%	%

Analytes

Chloromethane	NR	NR	NR	NR
Bromomethane	NR	NR	NR	NR
Vinyl Chloride	NR	NR	NR	NR
Chloroethane	NR	NR	NR	NR
Methylene Chloride	NR	NR	NR	NR
Acetone	NR	NR	NR	NR
Carbon Disulfide	NR	NR	NR	NR
1,1-Dichloroethene	4 U	4 U	4 U	5 U
1,1-Dichloroethane	NR	NR	NR	NR
Trans-1,2-Dichloroethene	4 U	4 U	4 U	5 U
Chloroform	4 U	4 U	4 U	5 U
1,2-Dichloroethane	4 U	4 U	4 U	5 U
2-Butanone	NR	NR	NR	NR
1,1,1-Trichloroethane	4 U	4 U	4 U	5 U
Carbon Tetrachloride	4 U	4 U	4 U	5 U
Vinyl Acetate	NR	NR	NR	NR
Bromodichloromethane	NR	NR	NR	NR
1,2-Dichloropropane	NR	NR	NR	NR
Trans-1,3-Dichloropropene	NR	NR	NR	NR
Trichloroethene	4 U	4 U	4 U	5 U
Dibromochloromethane	NR	NR	NR	NR
1,1,2-Trichloroethane	4 U	4 U	4 U	5 U
Benzene	NR	NR	NR	NR
cis-1,3-Dichloropropene	NR	NR	NR	NR
2-Chloroethylvinylether	NR	NR	NR	NR
Bromoform	NR	NR	NR	NR
4-Methyl-2-pentanone	NR	NR	NR	NR
2-Hexanone	NR	NR	NR	NR
Tetrachloroethene	4 U	4 U	4 U	5 U
1,1,2,2-Tetrachloroethane	NR	NR	NR	NR
Toluene	NR	NR	NR	NR
Chlorobenzene	NR	NR	NR	NR
Ethylbenzene	NR	NR	NR	NR
Styrene	NR	NR	NR	NR
Total Xylenes	NR	NR	NR	NR

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-084	0287-881-018	0187-881-066	0287-881-019
Customer ID:	66-86-05-11-87	66-86-05-28-87	68-86-04-29-87	68-86-05-28-87
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:	1	1	1	1

Surrogate Recovery

Toluene-d8:	%	%	%	%
Bromofluorobenzene:	%	%	%	%
1,2-Dichloroethane-d4:	%	%	%	%

Analytes

Chloromethane	NR	NR	NR	NR
Bromomethane	NR	NR	NR	NR
Vinyl Chloride	NR	NR	NR	NR
Chloroethane	NR	NR	NR	NR
Methylene Chloride	NR	NR	NR	NR
Acetone	NR	NR	NR	NR
Carbon Disulfide	NR	NR	NR	NR
1,1-Dichloroethene	4 U	4 U	4 U	4 U
1,1-Dichloroethane	NR	NR	NR	NR
Trans-1,2-Dichloroethene	4 U	4 U	4 U	4 U
Chloroform	4 U	4 U	4 U	4 U
1,2-Dichloroethane	4 U	4 U	4 U	4 U
2-Butanone	NR	NR	NR	NR
1,1,1-Trichloroethane	4 U	4 U	4 U	4 U
Carbon Tetrachloride	4 U	4 U	4 U	4 U
Vinyl Acetate	NR	NR	NR	NR
Bromodichloromethane	NR	NR	NR	NR
1,2-Dichloropropane	NR	NR	NR	NR
Trans-1,3-Dichloropropene	NR	NR	NR	NR
Trichloroethene	4 U	4 U	4 U	4 U
Dibromochloromethane	NR	NR	NR	NR
1,1,2-Trichloroethane	4 U	4 U	4 U	4 U
Benzene	NR	NR	NR	NR
cis-1,3-Dichloropropene	NR	NR	NR	NR
2-Chloroethylvinylether	NR	NR	NR	NR
Bromoform	NR	NR	NR	NR
4-Methyl-2-pentanone	NR	NR	NR	NR
2-Hexanone	NR	NR	NR	NR
Tetrachloroethene	4 U	4 U	4 U	4 U
1,1,2,2-Tetrachloroethane	NR	NR	NR	NR
Toluene	NR	NR	NR	NR
Chlorobenzene	NR	NR	NR	NR
Ethylbenzene	NR	NR	NR	NR
Styrene	NR	NR	NR	NR
Total Xylenes	NR	NR	NR	NR

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-036	0187-881-064	0387-881-023	0487-881-012
Customer ID:	68-86-07-14-87	69-86-04-29-87	69-86-07-06-87	69-86-10-07-87
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	PPB
Dilution Factor:		1		

Surrogate Recovery

Toluene-d8:	%	%	%	%
Bromofluorobenzene:	%	%	%	%
1,2-Dichloroethane-d4:	%	%	%	%

Analytes

Chloromethane	NR	NR	NR	
Bromomethane	NR	NR	NR	
Vinyl Chloride	NR	NR	NR	
Chloroethane	NR	NR	NR	
Methylene Chloride	NR	NR	NR	
Acetone	NR	NR	NR	
Carbon Disulfide	NR	NR	NR	
1,1-Dichloroethene	4 U	4 U	4 U	5 U
1,1-Dichloroethane	NR	NR	NR	
Trans-1,2-Dichloroethene	4 U	4 U	4 U	5 U
Chloroform	4 U	4 U	4 U	5 U
1,2-Dichloroethane	4 U	4 U	4 U	5 U
2-Butanone	NR	NR	NR	
1,1,1-Trichloroethane	4 U	4 U	4 U	5 U
Carbon Tetrachloride	4 U	4 U	4 U	5 U
Vinyl Acetate	NR	NR	NR	
Bromodichloromethane	NR	NR	NR	
1,2-Dichloropropane	NR	NR	NR	
Trans-1,3-Dichloropropene	NR	NR	NR	
Trichloroethene	4 U	4 U	4 U	5 U
Dibromochloromethane	NR	NR	NR	
1,1,2-Trichloroethane	4- U	4 U	4 U	5 U
Benzene	NR	NR	NR	
cis-1,3-Dichloropropene	NR	NR	NR	
2-Chloroethylvinylether	NR	NR	NR	
Bromoform	NR	NR	NR	
4-Methyl-2-pentanone	NR	NR	NR	
2-Hexanone	NR	NR	NR	
Tetrachloroethene	4 U	4 U	4 U	5 U
1,1,2,2-Tetrachloroethane	NR	NR	NR	
Toluene	NR	NR	NR	
Chlorobenzene	NR	NR	NR	
Ethylbenzene	NR	NR	NR	
Styrene	NR	NR	NR	
Total Xylenes	NR	NR	NR	

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8710-072-0010	0187-881-004	0187-881-047	0287-881-001
Customer ID:	9-74	9-74-03-09-87	9-74-04-09-87	9-74-05-21-87
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:	1.0	1	1	1

Surrogate Recovery

Toluene-d8:	96 %	%	%	%
Bromofluorobenzene:	96 %	%	%	%
1,2-Dichloroethane-d4:	98 %	%	%	%

Analytes

Chloromethane	10.00 U	NR	NR	NR
Bromomethane	10.00 U	NR	NR	NR
Vinyl Chloride	10.00 U	NR	NR	NR
Chloroethane	10.00 U	NR	NR	NR
Methylene Chloride	1. J	NR	NR	NR
Acetone	7. JB	NR	NR	NR
Carbon Disulfide	5.00 U	NR	NR	NR
1,1-Dichloroethene	5.00 U	12400	9600	48000
1,1-Dichloroethane	5.00 U	NR	NR	NR
Trans-1,2-Dichloroethene	5.00 U	48	80	4 U
Chloroform	5.00 U	4 U	4 U	4 U
1,2-Dichloroethane	5.00 U	4	126	16000
2-Butanone	10.00 U	NR	NR	NR
1,1,1-Trichloroethane	5.00 U	13800	12600	4 U
Carbon Tetrachloride	5.00 U	4 U	4 U	28000
Vinyl Acetate	10.00 U	NR	NR	NR
Bromodichloromethane	5.00 U	NR	NR	NR
1,2-Dichloropropane	5.00 U	NR	NR	NR
Trans-1,3-Dichloropropene	5.00 U	NR	NR	NR
Trichloroethene	24. B	20000	20800	72000
Dibromochloromethane	5.00 U	NR	NR	NR
1,1,2-Trichloroethane	5.00 U	96	4 U	4 U
Benzene	5.00 U	NR	NR	NR
cis-1,3-Dichloropropene	5.00 U	NR	NR	NR
2-Chloroethylvinylether	10.00 U	NR	NR	NR
Bromoform	5.00 U	NR	NR	NR
4-Methyl-2-pentanone	10.00 U	NR	NR	NR
2-Hexanone	10.00 U	NR	NR	NR
Tetrachloroethene	5.00 U	6400	2400	13200
1,1,2,2-Tetrachloroethane	5.00 U	NR	NR	NR
Toluene	5.00 U	NR	NR	NR
Chlorobenzene	5.00 U	NR	NR	NR
Ethylbenzene	5.00 U	NR	NR	NR
Styrene	5.00 U	NR	NR	NR
Total Xylenes	5.00 U	NR	NR	NR

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-017	0487-881-023	0487-881-038	8609-004-0010
Customer ID:	9-74-07-01-87	9-74-10-20-87	9-74-11-16-87	G097408860
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:			1.0	1

Surrogate Recovery

Toluene-d8:	%	%	94 %	102 %
Bromofluorobenzene:	%	%	94 %	100 %
1,2-Dichloroethane-d4:	%	%	80 %	104 %

Analytes

Chloromethane.....	NR		10 U	10 U
Bromomethane.....	NR		10 U	10 U
Vinyl Chloride.....	NR		10 U	10 U
Chloroethane.....	NR		10 U	10 U
Methylene Chloride.....	NR		48.00	9 J
Acetone.....	NR		10 U	4 BJ
Carbon Disulfide.....	NR		5 U	5 U
1,1-Dichloroethene.....	703	28530	23056.00	7200
1,1-Dichloroethane.....	NR		54.00	35
Trans-1,2-Dichloroethene.....	4 U	5 U	5 U	42
Chloroform.....	4 U	5 U	5 U	5
1,2-Dichloroethane.....	5262	34	4.00 J	38
2-Butanone.....	NR		10 U	22
1,1,1-Trichloroethane.....	20285	30250	21692.00	14000
Carbon Tetrachloride.....	4 U	5 U	3522.00	5 U
Vinyl Acetate.....	NR		10 U	10 U
Bromodichloromethane.....	NR		5 U	5 U
1,2-Dichloropropane.....	NR		5 U	5 U
Trans-1,3-Dichloropropene.....	NR		5 U	5 U
Trichloroethene.....	11768	12760	17538.00	11000
Dibromochloromethane.....	NR		5 U	5 U
1,1,2-Trichloroethane.....	4 U	5 U	139.00	91
Benzene.....	NR		5 U	5 U
cis-1,3-Dichloropropene.....	NR		5 U	5 U
2-Chloroethylvinylether.....	NR		NR	10 U
Bromoform.....	NR		5 U	5 U
4-Methyl-2-pentanone.....	NR		10 U	10 U
2-Hexanone.....	NR		10 U	10 U
Tetrachloroethene.....	3393	5840	6322.00	4800
1,1,2,2-Tetrachloroethane.....	NR		5 U	5 U
Toluene.....	NR		19.00	31
Chlorobenzene.....	NR		5 U	5 U
Ethylbenzene.....	NR		5 U	5 U
Styrene.....	NR		5 U	5 U
Total Xylenes.....	NR		5 U	5 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8609-051-036	8609-051-046	8609-056-0060	8610-028-0060
Customer ID:	G658609860	G658609862	G688609860	G698610860
Matrix:	Water	Water	Water	Water
Units:	UG/L	UG/L	UG/L	UG/L
Dilution Factor:	1	1	1	1

Surrogate Recovery

Toluene-d8:	98 %	94 %	96 %	100 %
Bromofluorobenzene:	102 %	98 %	98 %	108 %
1,2-Dichloroethane-d4:	92 %	90 %	90 %	72 %

Analytes

Chloromethane	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U
Methylene Chloride	5 U	5 U	5 U	5 U
Acetone	10 U	2 JB	10 U	2 BJ
Carbon Disulfide	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U
Trans-1,2-Dichloroethene	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U
2-Butanone	10 U	10 U	3 BJ	10 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U
Vinyl Acetate	10 U	10 U	10 U	10 U
Bromodichloromethane	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U
2-Chloroethylvinylether	10 U	10 U	10 U	10 U
Bromoform	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U
Tetrachloroethene	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U
Total Xylenes	5 U	5 U	5 U	5 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

ALLUVIAL WELLS
GC/MS DATA SUMMARY
Volatile HAZARDOUS SUBSTANCE LIST COMPOUNDS

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8610-028-0160	8705-057-0100	8706-004-0050
Customer ID:	G698610862	GW0487	GW287BH03
Matrix:	Water	Water	Soil
Units:	UG/L	UG/L	UG/KG
Dilution Factor:	1	1.0	1.0

Surrogate Recovery

Toluene-d8:	96 %	96 %	103 %
Bromofluorobenzene:	96 %	98 %	101 %
1,2-Dichloroethane-d4:	76 %	96 %	99 %

Analytes

Chloromethane.....	10 U	10.00 U	10.00 U
Bromomethane.....	10 U	10.00 U	10.00 U
Vinyl Chloride.....	10 U	10.00 U	10.00 U
Chloroethane.....	10 U	10.00 U	10.00 U
Methylene Chloride.....	5 U	15 B	35 B
Acetone.....	10 U	4 J	65 B
Carbon Disulfide.....	5 U	5.00 U	5.00 U
1,1-Dichloroethene.....	5 U	3 J	5.00 U
1,1-Dichloroethane.....	5 U	5.00 U	5.00 U
Trans-1,2-Dichloroethene.....	5 U	5.00 U	5.00 U
Chloroform.....	5 U	6	5.00 U
1,2-Dichloroethane.....	5 U	5.00 U	5.00 U
2-Butanone.....	10 U	10.00 U	10.00 U
1,1,1-Trichloroethane.....	5 U	5	5.00 U
Carbon Tetrachloride.....	5 U	21	5.00 U
Vinyl Acetate.....	10 U	10.00 U	10.00 U
Bromodichloromethane.....	5 U	5.00 U	5.00 U
1,2-Dichloropropane.....	5 U	5.00 U	5.00 U
Trans-1,3-Dichloropropene.....	5 U	5.00 U	5.00 U
Trichloroethene.....	5 U	230	5.00 U
Dibromochloromethane.....	5 U	5.00 U	5.00 U
1,1,2-Trichloroethane.....	5 U	5.00 U	5.00 U
Benzene.....	5 U	5.00 U	5.00 U
cis-1,3-Dichloropropene.....	5 U	5.00 U	5.00 U
2-Chloroethylvinylether.....	10 U	10.00 U	10.00 U
Bromoform.....	5 U	5.00 U	5.00 U
4-Methyl-2-pentanone.....	10 U	10.00 U	10.00 U
2-Hexanone.....	10 U	10.00 U	10.00 U
Tetrachloroethene.....	5 U	14	5.00 U
1,1,2,2-Tetrachloroethane.....	5 U	5.00 U	5.00 U
Toluene.....	5 U	5.00 U	5.00 U
Chlorobenzene.....	5 U	5.00 U	5.00 U
Ethylbenzene.....	5 U	5.00 U	5.00 U
Styrene.....	5 U	5.00 U	5.00 U
Total Xylenes.....	5 U	5.00 U	5.00 U

Modifiers: U=Analyzed, not detected. J=Present below detection limit. B=Present in blank. NS=Not spiked. %=Percent recovery.

RADIONUCLIDES

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
0187-881-085	1-86-05-11-87	
0287-881-022	1-86-06-01-87	
0387-881-020	1-86-07-17-87	
0287-881-002	10-74-05-21-87	
0587-881-002	2-87-05-29-87	
0387-881-008	2-87-07-09-87	
0687-881-011	2-87-10-08-87	
0187-123-015	2-87-10-08-87	
0587-881-001	4-87-05-20-87	
0387-881-010	4-87-07-09-87	
0687-881-013	4-87-10-15-87	
0487-881-017	43-87-12-18-87	
0487-881-012	52-87-11-24-87	
0387-881-047	6-87-07-28-87	
0187-881-005	61-86-03-10-87	
0187-881-077	61-86-05-04-87	
0287-881-064	61-86-06-23-87	
0387-881-087	61-86-08-28-87	
0187-881-068	64-86-04-29-87	
0187-881-102	65-86-05-13-87	
0287-881-020	65-86-05-28-87	
0387-881-093	65-86-09-09-87	
0187-881-087	66-86-05-11-87	
0287-881-018	66-86-05-28-87	
0187-881-067	68-86-04-29-87	
0287-881-019	68-86-05-28-87	
0387-881-017	68-86-07-15-87	
0187-881-066	69-86-04-29-87	
0287-881-008	69-86-05-26-87	
0387-881-110	69-86-07-07-87	
0187-123-014	69-86-10-08-87	
0487-881-008	69-86-10-08-87	
0187-881-004	9-74-03-09-87	
0187-881-049	9-74-04-09-87	
0287-881-001	9-74-05-21-87	
0387-881-003	9-74-07-02-87	
0487-881-010	9-74-10-21-87	
1000-000-241	G097408860	22625-3-3
1000-000-302	G658609860	22762-4-2
1000-000-304	G658609862	22762-4-4
1000-000-308	G688609860	22772-5-2
1000-000-309	G698610860	22887-4-2
1000-000-311	G698610862	22887-4-4

ALLUVIAL WELLS
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS) Page: 1

Sample Information

RFW Batch ID:	0187-881-085	0287-881-022	0387-881-020
Customer ID:	1-86-05-11-87	1-86-06-01-87	1-86-07-17-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha.....	33 +/- 4	pc/l	27 +/- 0	pci/l	33 +/- 31	pci/l
Gross Beta.....	39 +/- 77	pc/l	85 +/- 8	pci/l	82 +/- 49	pci/l
Uranium 233, 234.....	1.2 +/- 1.0	pc/l	0.26 +/- 0.66	pci/l	0.0 +/- 1.0	pci/l
Uranium 235.....	.16 +/- .43	pc/l	0.0 +/- 0.36	pci/l	0.0 +/- 0.2	pci/l
Uranium 238.....	2.3 +/- 1.1	pc/l	0.90 +/- 0.56	pci/l	-0.2 +/- 0.5	pci/l
Strontium 89, 90.....	1.85	pc/l	2.4	pci/l	2.5	pci/l
Plutonium 239, 240.....	2.1 +/- 1.4	pc/l	1.1 +/- 1.1	pci/l	-.24 +/- .65	pci/l
Americium 241.....	0.0 +/- 1.3	pc/l	0.0 +/- 1.2	pci/l	-.04 +/- .18	pci/l
Cesium 137.....	NR		NR			
Tritium.....	1100	pc/l	NR		<493	pci/l

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0287-881-002	0587-881-002	0387-881-008
Customer ID:	10-74-05-21-87	2-87-05-29-87	2-87-07-09-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha.....	54 +/- 20	pci/l	130 +/- 17	pci/l	100 +/- 70	pci/l
Gross Beta.....	97 +/- 5	pci/l	100 +/- 12	pci/l	254 +/- 68	pci/l
Uranium 233, 234.....	8.2 +/- 1.9	pci/l	9.6 +/- 2.6	pci/l	8.9 +/- 2.4	pci/l
Uranium 235.....	0.0 +/- 0.36	pci/l	.70 +/- .76	pci/l	0.3 +/- 0.4	pci/l
Uranium 238.....	4.2 +/- 1.3	pci/l	6.3 +/- 1.9	pci/l	3.7 +/- 1.4	pci/l
Strontium 89, 90.....	2.18	pci/l	0.74	pci/l	5.6	pci/l
Plutonium 239, 240.....	0.020 +/- 0.79	pci/l	0.9 +/- 1.1	pci/l	.42 +/- .81	pci/l
Americium 241.....	0.0 +/- 1.2	pci/l	0.0 +/- 6.0	pci/l	-.04 +/- .75	pci/l
Cesium 137.....	NR		1.4	pci/l		
Tritium.....	NR		120	pci/l	<514	pci/l

ALLUVIAL WELLS
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0687-881-011	0187-123-015	0587-881-001
Customer ID:	2-87-10-08-87	2-87-10-08-87	4-87-05-20-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha.....	66 +/- 42	pci/l			200 +/- 10	pci/l
Gross Beta.....	96 +/- 50	pci/l			134 +/- 15	pci/l
Uranium 233, 234.....	11.0 +/- 1.0	pci/l	13.180 +/- 1.750	pci/l	22 +/- 3	pci/l
Uranium 235.....	.35 +/- .11	pci/l			.81 +/- .71	pci/l
Uranium 238.....	4.5 +/- 0.5	pci/l	4.644 +/- 0.634	pci/l	14 +/- 3	pci/l
Strontium 89, 90.....	NR				4.50	pci/l
Plutonium 239, 240.....	.04 +/- .09	pci/l	0.211 +/- 0.074	pci/l	0.0 +/- .55	pci/l
Americium 241.....	0.00 +/- .20	pci/l	0.032 +/- 0.046	pci/l	0.0 +/- 2.6	pci/l
Cesium 137.....	NR				3.1	pci/l
Tritium.....	<500	pci/l			<110	pci/l

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-010	0687-881-013	0487-881-017
Customer ID:	4-87-07-09-87	4-87-10-15-87	43-87-12-18-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha.....	319 +/- 241	pci/l	133 +/- 69	pci/l	74 +/- 14	pci/l
Gross Beta.....	286 +/- 83	pci/l	75 +/- 54	pci/l	82 +/- 12	pci/l
Uranium 233, 234.....	26.8 +/- 3.2	pci/l	16 +/- 3	pci/l	20 +/- 4	pci/l
Uranium 235.....	0.5 +/- 0.4	pci/l	.56 +/- .30	pci/l	.51 +/- .27	pci/l
Uranium 238.....	17.4 +/- 2.3	pci/l	12 +/- 2	pci/l	17 +/- 4	pci/l
Strontium 89, 90.....	2.1	pci/l	NR		<1.0	pci/l
Plutonium 239, 240.....	.14 +/- .73	pci/l	.06 +/- .14	pci/l	0.00 +/- .16	pci/l
Americium 241.....	.70 +/- .86	pci/l	.02 +/- .07	pci/l		
Cesium 137.....			NR			
Tritium.....	777 +/- 333	pci/l	<460	pci/l	<220	pci/l

ALLUVIAL WELLS
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0487-881-012	0387-881-047	0187-881-005
Customer ID:	52-87-11-24-87	6-87-07-28-87	61-86-03-10-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha.....	70 +/- 13	pci/l	59 +/- 33	pci/l	1 +/- 10	pci/l
Gross Beta.....	76 +/- 11	pci/l	42 +/- 44	pci/l	16 +/- 9	pci/l
Uranium 233, 234.....	21 +/- 2	pci/l	29.3 +/- 3.9	pci/l	3.7 +/- 1.3	pci/l
Uranium 235.....	.79 +/- .15	pci/l	1.3 +/- 0.6	pci/l	0.0 +/- 0.39	pci/l
Uranium 238.....	15 +/- 2	pci/l	25.3 +/- 3.4	pci/l	2.3 +/- 0.9	pci/l
Strontium 89, 90.....	<1.0	pci/l	2.0	pci/l	0.6	pci/l
Plutonium 239, 240.....	0.00 +/- .28	pci/l	-.23 +/- .59	pci/l	0.40 +/- 0.69	pci/l
Americium 241.....	0.00 +/- .33	pci/l	-0.4 +/- 1.6	pci/l	0.0 +/- 1.4	pci/l
Cesium 137.....					NR	
Tritium.....	<540	pci/l	<540	pci/l	NR	

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-077	0287-881-064	0387-881-087
Customer ID:	61-86-05-04-87	61-86-06-23-87	61-86-08-28-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha.....	18 +/- 15	pc/l	-2 +/- 4	pci/l	26 +/- 23	pci/l
Gross Beta.....	46 +/- 13	pc/l	-5 +/- 7	pci/l	34 +/- 40	pci/l
Uranium 233, 234.....	3.3 +/- 1.3	pc/l	2.5 +/- 1.0	pci/l	3.6 +/- 1.4	pci/l
Uranium 235.....	0.0 +/- .44	pc/l	0.21 +/- 0.42	pci/l	0.1 +/- 0.3	pci/l
Uranium 238.....	1.8 +/- 0.9	pc/l	2.0 +/- 9	pci/l	1.6 +/- 0.8	pci/l
Strontium 89, 90.....	1.90	pc/l	NR		<1.0	pci/l
Plutonium 239, 240.....	.29 +/- .86	pc/l	0.0 +/- 0.74	pci/l	0.3 +/- 1.3	pci/l
Americium 241.....	0.0 +/- 1.3	pc/l	0.0 +/- 1.2	pci/l	0.0 +/- 0.6	pci/l
Cesium 137.....	NR		NR			
Tritium.....	2000	pc/l	NR		<509	pci/l

ALLUVIAL WELLS
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-068	0187-881-102	0287-881-020
Customer ID:	64-86-04-29-87	65-86-05-13-87	65-86-05-28-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha.....	5 +/- 14	pc/l	31 +/- 4	pc/l	16 +/- 0	pci/l
Gross Beta.....	-8 +/- 2	pc/l	4 +/- 10	pc/l	42 +/- 31	pci/l
Uranium 233, 234.....	1.7 +/- 1.0	pc/l	3.6 +/- 1.1	pc/l	4.0 +/- 1.1	pci/l
Uranium 235.....	.13 +/- .40	pc/l	.04 +/- .32	pc/l	0.22 +/- 0.37	pci/l
Uranium 238.....	2.1 +/- 1.0	pc/l	1.9 +/- 0.7	pc/l	3.3 +/- 1.0	pci/l
Strontium 89, 90.....	NR		1.74	pc/l	NR	
Plutonium 239, 240.....	0.2 +/- 1.0	pc/l	0.0 +/- .65	pc/l	0.16 +/- 0.78	pci/l
Americium 241.....	0.0 +/- 1.4	pc/l	0.0 +/- 1.3	pc/l	0.0 +/- 1.2	pci/l
Cesium 137.....	NR		NR		NR	
Tritium.....	NR		1100	pc/l	NR	

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-093	0187-881-087	0287-881-018
Customer ID:	65-86-09-09-87	66-86-05-11-87	66-86-05-28-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha.....	15 +/- 19	pci/l	23 +/- 13	pc/l	21 +/- 8	pci/l
Gross Beta.....	23 +/- 27	pci/l	28 +/- 27	pc/l	55 +/- 6	pci/l
Uranium 233, 234.....	4.2 +/- 1.9	pci/l	0.0 +/- .54	pc/l	0.4 +/- 0.71	pci/l
Uranium 235.....	0.4 +/- 0.5	pci/l	.15 +/- .46	pc/l	0.07 +/- 0.39	pci/l
Uranium 238.....	1.6 +/- 1.5	pci/l	1.1 +/- 0.7	pc/l	0.94 +/- 0.6	pci/l
Strontium 89, 90.....	2.0	pci/l	4.01	pc/l	3.3	pci/l
Plutonium 239, 240.....	-.03 +/- .16	pci/l	0.0 +/- .55	pc/l	0.0 +/- 0.63	pci/l
Americium 241.....	.02 +/- .32	pci/l	0.0 +/- 1.2	pc/l	0.0 +/- 1.3	pci/l
Cesium 137.....			NR		NR	
Tritium.....	<509	pci/l	1100	pc/l	NR	

ALLUVIAL WELLS
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-067	0287-881-019	0387-881-017
Customer ID:	68-86-04-29-87	68-86-05-28-87	68-86-07-15-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha	26 +/- 14	pc/l	24 +/- 33	pci/l	2 +/- 24	pci/l
Gross Beta	42 +/- 12	pc/l	33 +/- 2	pci/l	51 +/- 43	pci/l
Uranium 233, 234	4.2 +/- 2.1	pc/l	0.12 +/- 0.66	pci/l	0.0 +/- 1.0	pci/l
Uranium 235	.45 +/- .73	pc/l	0.0 +/- 0.33	pci/l	0.1 +/- 0.3	pci/l
Uranium 238	5.2 +/- 2.2	pc/l	0.34 +/- 0.48	pci/l	0.9 +/- 0.7	pci/l
Strontium 89, 90	4.59	pc/l	NR		1.8	pci/l
Plutonium 239, 240	0.0 +/- .85	pc/l	0.0 +/- 0.64	pci/l	-.25 +/- .66	pci/l
Americium 241	2.3 +/- 2.9	pc/l	0.0 +/- 1.2	pci/l	.26 +/- .61	pci/l
Cesium 137	NR		NR			
Tritium	1100	pc/l	NR		<493	pci/l

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-066	0287-881-008	0387-881-110
Customer ID:	69-86-04-29-87	69-86-05-26-87	69-86-07-07-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha	40 +/- 7	pc/l	41 +/- 13	pci/l	59 +/- 40	pci/p
Gross Beta	49 +/- 75	pc/l	75 +/- 2	pci/l	78 +/- 42	pci/l
Uranium 233, 234	12 +/- 3	pc/l	10 +/- 2	pci/l	9.1 +/- 1.9	pci/l
Uranium 235	.66 +/- .62	pc/l	0.3 +/- 0.51	pci/l	0.8 +/- 0.5	pci/l
Uranium 238	33 +/- 5	pc/l	7.2 +/- 1.3	pci/l	8.9 +/- 1.6	pci/l
Strontium 89, 90	.83	pc/l	NR		3.8	pci/l
Plutonium 239, 240	0.0 +/- 2.1	pc/l	0.0 +/- 0.6	pci/l	-.02 (0.7) +/- .69	pci/l
Americium 241	0.0 +/- 1.3	pc/l	0.0 +/- 1.8	pci/l	0.5 (3.7) +/- 2.5	pci/l
Cesium 137	NR		NR			
Tritium	3000	pc/l	NR		<493	pci/l

ALLUVIAL WELLS
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-123-014	0487-881-008	0187-881-004
Customer ID:	69-86-10-08-87	69-86-10-08-87	9-74-03-09-87
Matrix:		Water	Water

Radio Chemistry

Gross Alpha.....		53 +/- 10 pci/l	100 +/- 27 pci/l
Gross Beta.....		48 +/- 10 pci/l	121 +/- 21 pci/l
Uranium 233, 234.....	8.707 +/- 1.107 pci/l	8.4 +/- 0.9 pci/l	6.0 +/- 1.3 pci/l
Uranium 235.....		.35 +/- .12 pci/l	0.26 +/- 0.44 pci/l
Uranium 238.....	6.275 +/- 0.761 pci/l	6.5 +/- 0.7 pci/l	5.0 +/- 1.1 pci/l
Strontium 89, 90.....		<1.0 pci/l	0.6 pci/l
Plutonium 239, 240.....	-0.042 +/- 0.037 pci/l	0.00 +/- .22 pci/l	0.28 +/- 0.59 pci/l
Americium 241.....	0.004 +/- 0.040 pci/l	0.00 +/- .05 pci/l	NR
Cesium 137.....			NR
Tritium.....		510 +/- 290 pci/l	NR

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-049	0287-881-001	0387-881-003
Customer ID:	9-74-04-09-87	9-74-05-21-87	9-74-07-02-87
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha.....	28 +/- 26 pc/l	21 +/- 10 pci/l	6 +/- 29 pci/l
Gross Beta.....	-3 +/- 8 pc/l	35 +/- 14 pci/l	6 +/- 42 pci/l
Uranium 233, 234.....	6.3 +/- 2.3 pc/l	8.4 +/- 1.4 pci/l	12.0 +/- 2.1 pci/l
Uranium 235.....	.52 +/- .73 pc/l	0.08 +/- 0.33 pci/l	0.0 +/- 0.6 pci/l
Uranium 238.....	2.9 +/- 2.1 pc/l	7.7 +/- 1.3 pci/l	8.1 +/- 1.5 pci/l
Strontium 89, 90.....	.65 pc/l	1.74 pci/l	<1.0
Plutonium 239, 240.....	0.0 +/- 1.1 pc/l	.19 +/- .75 pci/l	0.0 +/- 1.1 pci/l
Americium 241.....	0.0 +/- 3.5 pc/l	0.0 +/- 1.2 pci/l	NR
Cesium 137.....	NR	NR	
Tritium.....	110 pc/l	NR	<515

ALLUVIAL WELLS
RADIOCHEMISTRY
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS) Page: 7

Sample Information

RFW Batch ID:	0487-881-010	1000-000-241	1000-000-302
Customer ID:	9-74-10-21-87	G097408860	G658609860
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha.....	14 +/- 7	pci/l	28 +/- 16	pci/l	29 +/- 12	pci/l
Gross Beta.....	21 +/- 10	pci/l	28 +/- 11	pci/l	21 +/- 6	pci/l
Uranium 233, 234.....	9.2 +/- 0.9	pci/l	11 +/- 2	pci/l	7.9 +/- 0.7	pci/l
Uranium 235.....	.48 +/- .13	pci/l	NR		NR	
Uranium 238.....	7.0 +/- .07	pci/l	8.2 +/- 1.4	pci/l	6.5 +/- 0.7	pci/l
Strontium 89, 90.....	1.0	pci/l	NR		NR	
Plutonium 239, 240.....	0.00 +/- .11	pci/l	-0.02 +/- 0.07	pci/l	0.02 +/- 0.10	pci/l
Americium 241.....	0.00 +/- .03	pci/l	0.01 +/- 0.08	pci/l	0.01 +/- 0.03	pci/l
Cesium 137.....			NR		NR	
Tritium.....	<520	pci/l	0.11 +/- 0.22	pci/l	0.07 +/- 0.23	pci/l

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	1000-000-304	1000-000-308	1000-000-309
Customer ID:	G658609862	G688609860	G698610860
Matrix:	Water	Water	Water

Radio Chemistry

Gross Alpha.....	21 +/- 7	pci/l	20 +/- 11	pci/l	200 +/- 60	pci/l
Gross Beta.....	11 +/- 3	pci/l	27 +/- 9	pci/l	130 +/- 30	pci/l
Uranium 233, 234.....	7.0 +/- 0.6	pci/l	2.4 +/- 0.4	pci/l	14 +/- 1	pci/l
Uranium 235.....	NR		NR		NR	
Uranium 238.....	5.6 +/- 0.6	pci/l	2.2 +/- 0.4	pci/l	11 +/- 1	pci/l
Strontium 89, 90.....	NR		NR		NR	
Plutonium 239, 240.....	-0.01 +/- 0.08	pci/l	-0.02 +/- 0.08	pci/l	-0.01 +/- 0.08	pci/l
Americium 241.....	-0.01 +/- 0.02	pci/l	0.00 +/- 0.03	pci/l	0.01 +/- 0.04	pci/l
Cesium 137.....	NR		NR		NR	
Tritium.....	-0.04 +/- 0.22	pci/l	0.02 +/- 0.21	pci/l	-0.02 +/- 0.21	pci/l

ALLUVIAL WELLS
RADIOCHEMISTRY
DATA SUMMARY REPORT

Sample Information

RFW Batch ID: 1000-000-311
Customer ID: G698610862
Matrix: Water

Radio Chemistry

Gross Alpha.....	150 +/- 40	pci/l
Gross Beta.....	100 +/- 30	pci/l
Uranium 233, 234.....	14 +/- 1	pci/l
Uranium 235.....	NR	
Uranium 238.....	11 +/- 1	pci/l
Strontium 89, 90.....	NR	
Plutonium 239, 240.....	-0.02 +/- 0.07	pci/l
Americium 241.....	0.02 +/- 0.07	pci/l
Cesium 137.....	NR	
Tritium.....	-0.04 +/- 0.21	pci/l

INORGANICS

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
0187-881-085	1-86-05-11-87	
0287-881-027	1-86-06-01-87	
0387-881-047	1-86-07-17-87	
0287-881-002	10-74-05-21-87	
0587-881-002	2-87-05-29-87	
0387-881-036	2-87-07-09-87	
0687-881-012	2-87-10-08-87	
0587-881-001	4-87-05-20-87	
0387-881-038	4-87-07-09-87	
0687-881-018	4-87-10-15-87	
0487-881-060	43-87-12-17-87	
0487-881-084	52-87-11-23-87	
0387-881-067	6-87-07-30-87	
0187-881-006	61-86-03-10-87	
0187-881-077	61-86-05-04-87	
0287-881-068	61-86-06-23-87	
0387-881-104	61-86-08-27-87	
0187-881-068	64-86-04-29-87	
0387-881-048	64-86-07-17-87	
0187-881-100	65-86-05-13-87	
0287-881-020	65-86-05-28-87	
0387-881-110	65-86-09-09-87	
0187-881-086	66-86-05-11-87	
0287-881-021	66-86-05-28-87	
0187-881-067	68-86-04-29-87	
0287-881-022	68-86-05-28-87	
0387-881-044	68-86-07-15-87	
0187-881-066	69-86-04-29-87	
0287-881-008	69-86-05-26-87	
0387-881-032	69-86-07-07-87	
0487-881-012	69-86-10-07-87	
0187-881-005	9-74-03-09-87	
0187-881-049	9-74-04-09-87	
0287-881-001	9-74-05-21-87	
0387-881-026	9-74-07-02-87	
0487-881-024	9-74-10-20-87	
8609-004-003	G097408860	
8609-051-038	G658609860	
8609-051-048	G658609862	
8609-056-008	G688609860	
8610-028-008	G698610860	
8610-028-018	G698610862	

ALLUVIAL WELLS
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-085	0287-881-027	0387-881-047
Customer ID:	1-86-05-11-87	1-86-06-01-87	1-86-07-17-87
Matrix:	Water	Water	Water

Inorganics

Chloride	22.8		mg/l	24.4		mg/l	33.5	mg/l
Cyanide, Total	1.0	U	mg/l	1.0	U	mg/l	1.0	U ug/l
Fluoride								
Nitrate-Nitrite-Nitrogen	0.20	U	mg/l	0.20	U	mg/l	0.20	U mg/l
Total Organic Carbon								
pH								
Sulfate	37.5		mg/l	60.0		mg/l	83.5	mg/l
Specific Conductance								
Turbidity								
Sulfide								
Oil and Grease								
Ignitability (Degrees)								
% Solids								
Total Dissolved Solids	208		mg/l	294		mg/l	384	mg/l
HCO3-	102		mg/l	161		mg/l	202	mg/l
CO3=				NR				
Suspended Solids								
Hexavalent Chromium (Cr+6)								

ALLUVIAL WELLS
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0287-881-002			0587-881-002			0387-881-036	
Customer ID:	10-74-05-21-87			2-87-05-29-87			2-87-07-09-87	
Matrix:	Water			Water			Water	
Inorganics								
Chloride	355	mg/l		66.0		mg/l	66	mg/l
Cyanide, Total				1.0	U	mg/l	1	U ug/l
Fluoride								
Nitrate-Nitrite-Nitrogen	55	mg/l		0.20	U	mg/l	0.54	mg/l
Total Organic Carbon								
pH								
Sulfate	358	mg/l		99.0		mg/l	81.0	mg/l
Specific Conductance								
Turbidity								
Sulfide								
Oil and Grease				6.7		mg/l		
Ignitability (Degrees)								
% Solids								
Total Dissolved Solids	1833	mg/l		547		mg/l	549	mg/l
HCO3-	284	mg/l		275		mg/l	283	mg/l
CO3=								
Suspended Solids								
Hexavalent Chromium (Cr+6)				1.0	U	mg/l		

ALLUVIAL WELLS
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0687-881-012	0587-881-001	0387-881-038
Customer ID:	2-87-10-08-87	4-87-05-20-87	4-87-07-09-87
Matrix:	Water	Water	Water

Inorganics

Chloride	73.3		mg/l	200		mg/l	458	mg/l
Cyanide, Total	NR			1.0	U	mg/l	1	U ug/l
Fluoride								
Nitrate-Nitrite-Nitrogen	0.20	U	mg/l	5.80		mg/l	6.0	mg/l
Total Organic Carbon								
pH								
Sulfate	71		mg/l	310		mg/l	700	mg/l
Specific Conductance								
Turbidity								
Sulfide								
Oil and Grease				5.8		mg/l		
Ignitability (Degrees)								
% Solids								
Total Dissolved Solids	525		mg/l	1318		mg/l	2374	mg/l
HCO3-	309		mg/l	309		mg/l	390	mg/l
CO3=								
Suspended Solids								
Hexavalent Chromium (Cr+6)				1.0	U	mg/l		

ALLUVIAL WELLS
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0687-881-018	0487-881-060	0487-881-084
Customer ID:	4-87-10-15-87	43-87-12-17-87	52-87-11-23-87
Matrix:	Water	Water	Water

Inorganics

Chloride	324	mg/l	239	mg/l	59.5		mg/l
Cyanide, Total	NR		NR		NR		
Fluoride							
Nitrate-Nitrite-Nitrogen	3.76	mg/l	3.27	mg/l	0.02	U	mg/l
Total Organic Carbon							
pH							
Sulfate	435	mg/l	295	mg/l	133		mg/l
Specific Conductance							
Turbidity							
Sulfide							
Oil and Grease							
Ignitability (Degrees)							
% Solids							
Total Dissolved Solids	1735	mg/l	1207	mg/l	700		mg/l
HCO3-	421	mg/l	263.0	mg/l	112		mg/l
CO3=			NR		NR		
Suspended Solids							
Hexavalent Chromium (Cr+6)							

ALLUVIAL WELLS
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-067			0187-881-006			0187-881-077		
Customer ID:	6-87-07-30-87			61-86-03-10-87			61-86-05-04-87		
Matrix:	Water			Water			Water		

Inorganics

Chloride	263		mg/l	9.25		mg/l	3.58		mg/l
Cyanide, Total	1	U	ug/l	1.0	U	mg/l	1.0	U	mg/l
Fluoride									
Nitrate-Nitrite-Nitrogen	0.34		mg/l	1.10		mg/l	1.70		mg/l
Total Organic Carbon									
pH									
Sulfate	283		mg/l	36.0		mg/l	21.0		mg/l
Specific Conductance									
Turbidity									
Sulfide									
Oil and Grease									
Ignitability (Degrees)									
% Solids									
Total Dissolved Solids	1195		mg/l	234		mg/l	636		mg/l
HCO3-	367		mg/l	171		mg/l	177		mg/l
CO3=									
Suspended Solids									
Hexavalent Chromium (Cr+6)									

ALLUVIAL WELLS
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	0287-881-068	0387-881-104	0187-881-068
Customer ID:	61-86-06-23-87	61-86-08-27-87	64-86-04-29-87
Matrix:	Water	Water	Water

Inorganics

Chloride	2.78		mg/l	1.36		mg/l	38.0	mg/l
Cyanide, Total	1.0	U	mg/l	1	U	ug/l	1.0	U mg/l
Fluoride								
Nitrate-Nitrite-Nitrogen	1.98		mg/l	0.78		mg/l	1.28	mg/l
Total Organic Carbon								
pH								
Sulfate	14.0		mg/l	29.0		mg/l	168	mg/l
Specific Conductance								
Turbidity								
Sulfide								
Oil and Grease								
Ignitability (Degrees)								
% Solids								
Total Dissolved Solids	242		mg/l	285		mg/l	438	mg/l
HCO3-	171		mg/l	231		mg/l	162	mg/l
CO3=	NR							
Suspended Solids								
Hexavalent Chromium (Cr+6)								

ALLUVIAL WELLS
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-048	0187-881-100	0287-881-020
Customer ID:	64-86-07-17-87	65-86-05-13-87	65-86-05-28-87
Matrix:	Water	Water	Water

Inorganics

Chloride	44.0		mg/l	43.7		mg/l	46.2	mg/l
Cyanide, Total	1	U	ug/l	1.0	U	mg/l	1.0	U mg/l
Fluoride								
Nitrate-Nitrite-Nitrogen	0.99		mg/l	0.20	U	mg/l	0.20	U mg/l
Total Organic Carbon								
pH								
Sulfate	133		mg/l	89.0		mg/l	103	mg/l
Specific Conductance								
Turbidity								
Sulfide								
Oil and Grease								
Ignitability (Degrees)								
% Solids								
Total Dissolved Solids	742		mg/l	444		mg/l	498	mg/l
HCO3-	306		mg/l	234		mg/l	269	mg/l
CO3=								
Suspended Solids								
Hexavalent Chromium (Cr+6)								

ALLUVIAL WELLS
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-110			0187-881-086			0287-881-021		
Customer ID:	65-86-09-09-87			66-86-05-11-87			66-86-05-28-87		
Matrix:	Water			Water			Water		
Inorganics									
Chloride	64.0		mg/l	17.0		mg/l	19.8		mg/l
Cyanide, Total	1	U	ug/l	1.0	U	mg/l	1.0	U	mg/l
Fluoride									
Nitrate-Nitrite-Nitrogen	1	U	mg/l	0.20	U	mg/l	0.20	U	mg/l
Total Organic Carbon									
pH									
Sulfate	190		mg/l	26.5		mg/l	33.0		mg/l
Specific Conductance									
Turbidity									
Sulfide									
Oil and Grease									
Ignitability (Degrees)									
% Solids									
Total Dissolved Solids	655		mg/l	193		mg/l	249		mg/l
HCO3-	306		mg/l	100		mg/l	150		mg/l
CO3=							NR		
Suspended Solids									
Hexavalent Chromium (Cr+6)									

ALLUVIAL WELLS
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-067	0287-881-022	0387-881-044
Customer ID:	68-86-04-29-87	68-86-05-28-87	68-86-07-15-87
Matrix:	Water	Water	Water

Inorganics

Chloride	18.0		mg/l	12.2		mg/l	12.5	mg/l
Cyanide, Total	1.0	U	mg/l	1.0	U	mg/l	1	U ug/l
Fluoride								
Nitrate-Nitrite-Nitrogen	0.50		mg/l	0.20	U	mg/l	1	U mg/l
Total Organic Carbon								
pH								
Sulfate	94.0		mg/l	24.0		mg/l	21.0	mg/l
Specific Conductance								
Turbidity								
Sulfide								
Oil and Grease								
Ignitability (Degrees)								
% Solids								
Total Dissolved Solids	166		mg/l	175		mg/l	207	mg/l
HCO3-	56.8		mg/l	116		mg/l	151	mg/l
CO3=				NR				
Suspended Solids								
Hexavalent Chromium (Cr+6)								

ALLUVIAL WELLS
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	0187-881-066	0287-881-008	0387-881-032
Customer ID:	69-86-04-29-87	69-86-05-26-87	69-86-07-07-87
Matrix:	Water	Water	Water

Inorganics

Chloride	114		mg/l	85.5		mg/l	85	mg/l
Cyanide, Total	1.0	U	mg/l	1.0	U	mg/l	1	U ug/l
Fluoride								
Nitrate-Nitrite-Nitrogen	2.30		mg/l	1.80		mg/l	1.72	mg/l
Total Organic Carbon								
pH								
Sulfate	270		mg/l	53.0		mg/l	167	mg/l
Specific Conductance								
Turbidity								
Sulfide								
Oil and Grease								
Ignitability (Degrees)								
% Solids								
Total Dissolved Solids	1017		mg/l	929		mg/l	892	mg/l
HCO3-	385		mg/l	379		mg/l	362	mg/l
CO3=								
Suspended Solids								
Hexavalent Chromium (Cr+6)								

ALLUVIAL WELLS
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0487-881-012	0187-881-005	0187-881-049
Customer ID:	69-86-10-07-87	9-74-03-09-87	9-74-04-09-87
Matrix:	Water	Water	Water

Inorganics

Chloride	91.1	mg/l	378	mg/l	294	mg/l
Cyanide, Total	NR		1.0 U	mg/l	1.0 U	mg/l
Fluoride						
Nitrate-Nitrite-Nitrogen	1.10	mg/l	34.0	mg/l	8.80	mg/l
Total Organic Carbon						
pH						
Sulfate	173	mg/l	173	mg/l	180	mg/l
Specific Conductance						
Turbidity						
Sulfide						
Oil and Grease						
Ignitability (Degrees)						
% Solids						
Total Dissolved Solids	841	mg/l	1536	mg/l	1176	mg/l
HCO3-	375	mg/l	231	mg/l	244	mg/l
CO3=	NR					
Suspended Solids						
Hexavalent Chromium (Cr+6)						

ALLUVIAL WELLS
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	0287-881-001			0387-881-026			0487-881-024	
Customer ID:	9-74-05-21-87			9-74-07-02-87			9-74-10-20-87	
Matrix:	Water			Water			Water	
Inorganics								
Chloride	276		mg/l	304		mg/l	449	mg/l
Cyanide, Total	1.0	U	mg/l	1	U	ug/l	NR	
Fluoride								
Nitrate-Nitrite-Nitrogen	7.60		mg/l	10.0		mg/l	26.8	mg/l
Total Organic Carbon								
pH								
Sulfate	235		mg/l	300		mg/l	213	mg/l
Specific Conductance								
Turbidity								
Sulfide								
Oil and Grease								
Ignitability (Degrees)								
% Solids								
Total Dissolved Solids	1313		mg/l	1445		mg/l	1588	mg/l
HCO3-	253		mg/l	258		mg/l	256	mg/l
CO3=							NR	
Suspended Solids								
Hexavalent Chromium (Cr+6)								

ALLUVIAL WELLS
INORGANIC
DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	8609-004-003	8609-051-038	8609-051-048
Customer ID:	G097408860	G658609860	G658609862
Matrix:	Water	Water	Water

Inorganics

Chloride	400		mg/l	70		mg/l	0.7	mg/l
Cyanide, Total	0.005	U	mg/l	0.005	U	mg/l	0.005	U mg/l
Fluoride								
Nitrate-Nitrite-Nitrogen								
Total Organic Carbon								
pH								
Sulfate	320		mg/l	220		mg/l	220	mg/l
Specific Conductance								
Turbidity								
Sulfide								
Oil and Grease								
Ignitability (Degrees)								
% Solids								
Total Dissolved Solids	1370		mg/l	690		mg/l	690	mg/l
HCO3-								
CO3=								
Suspended Solids								
Hexavalent Chromium (Cr+6)								

ALLUVIAL WELLS
INORGANIC
DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	8609-056-008	8610-028-008	8610-028-018
Customer ID:	G688609860	G698610860	G698610862
Matrix:	Water	Water	Water

Inorganics

Chloride	16		mg/l	130		mg/l	130		mg/l
Cyanide, Total	0.005	U	mg/l	0.01	U	mg/l	0.01	U	mg/l
Fluoride									
Nitrate-Nitrite-Nitrogen									
Total Organic Carbon									
pH									
Sulfate	37		mg/l	320		mg/l	340		mg/l
Specific Conductance									
Turbidity									
Sulfide									
Oil and Grease									
Ignitability (Degrees)									
% Solids									
Total Dissolved Solids	280		mg/l	1000		mg/l	1000		mg/l
HCO3-									
CO3=									
Suspended Solids									
Hexavalent Chromium (Cr+6)									

METALS

List: Customer ID's: All

RFW Batch ID	Customer ID	Laboratory ID
0187-881-082	1-86-05-11-87	
0287-881-022	1-86-06-01-87	
0387-881-043	1-86-07-17-87	
0287-881-002	10-74-05-22-87	
0587-881-002	2-87-05-29-87	
0387-881-137	2-87-07-09-87	
0687-881-011	2-87-10-08-87	
0587-881-001	4-87-05-20-87	
0387-881-139	4-87-07-09-87	
0687-881-017	4-87-10-15-87	
0487-881-065	43-87-12-18-87	
0487-881-080	52-87-11-24-87	
0387-881-068	6-87-07-31-87	
0187-881-005	61-86-03-10-87	
0187-881-070	61-86-05-04-87	
0287-881-064	61-86-06-25-87	
0387-881-108	61-86-08-27-87	
0187-881-065	64-86-04-29-87	
0387-881-044	64-86-07-17-87	
0187-881-090	65-86-05-13-87	
0287-881-020	65-86-05-29-87	
0387-881-116	65-86-09-09-87	
0187-881-084	66-86-05-11-87	
0287-881-018	66-86-05-29-87	
0187-881-066	68-86-04-29-87	
0287-881-019	68-86-05-29-87	
0387-881-146	68-86-07-15-87	
0187-881-064	69-86-04-29-87	
0287-881-008	69-86-05-26-87	
0387-881-025	69-86-07-07-87	
0487-881-015	69-86-10-08-87	
0187-881-004	9-74-03-09-87	
0187-881-047	9-74-04-09-87	
0287-881-001	9-74-05-22-87	
0387-881-020	9-74-07-02-87	
0487-881-026	9-74-10-21-87	
0487-881-037	9-74-11-17-87	
8609-004-002	G097408860	
8609-051-037	G658609860	
8609-051-047	G658609862	
8609-056-007	G688609860	
8610-028-007	G698610860	
8610-028-017	G698610862	

ALLUVIAL WELLS
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-082	0287-881-022	0387-881-043	0287-881-002
Customer ID:	1-86-05-11-87	1-86-06-01-87	1-86-07-17-87	10-74-05-22-87
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L

Metals

Silver	(Ag), total.....	0.0076	U	0.0076	U	0.0076	U	0.0076	U
Aluminum	(Al), total.....	0.0628		0.0492		0.0460		0.0469	
Arsenic	(As), total.....	0.0100	U	0.01	U	0.005	U	0.01	U
Barium	(Ba), total.....	0.0488		0.1186		0.1581		0.0545	
Beryllium	(Be), total.....	0.005	U	0.005	U	0.005	U	0.005	U
Calcium	(Ca), total.....	33.4011		56.3290		66.5781		295.0586	
Cadmium	(Cd), total.....	0.0050	U	0.005	U	0.0003	J	0.005	U
Cobalt	(Co), total.....	0.0220	U	0.0220	U	0.0220	U	0.0200	U
Chromium	(Cr), total.....	0.0100	U	0.0100	U	0.0100	U	0.0100	U
Cesium	(Cs), total.....	0.2	U	0.2	U	0.02	U	0.2	U
Copper	(Cu), total.....	0.0063	U	0.0063	U	0.0169		0.0063	U
Iron	(Fe), total.....	0.0466		0.0369		0.0237		0.0069	U
Mercury	(Hg), total.....	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Potassium	(K), total.....	5.0	U	5.0	U	2.8		5.0	U
Lithium	(Li), total.....								
Magnesuim	(Mg), total.....	7.2449		11.7241		15.3955		73.2748	
Manganese	(Mn), total.....	0.0144		0.0051	U	0.0051	U	0.0051	U
Molybdenum	(Mo), total.....	0.0220	U	0.0220	U	0.0220	U	0.0252	
Sodium	(Na), total.....	27.5799		36.7155		48.6001		204.3915	
Nickel	(Ni), total.....	0.0370	U	0.0370	U	0.0370	U	0.0370	U
Lead	(Pb), total.....	0.0050	U	0.046		0.005	U	0.006	
Antimony	(Sb), total.....	0.06	U	0.06	U	0.02	U	0.06	U
Selenium	(Se), total.....	0.005	U	0.005	U	0.005	U	2.1	
Strontium	(Sr), total.....	0.1938		0.3286		0.4227		1.9586	
Thallium	(Tl), total.....	0.0100	U	0.01	U	0.01	U	0.01	U
Vanadium	(V), total.....	0.0240	U	0.0240	U	0.0289		0.0240	U
Zinc	(Zn), total.....	0.02	U	0.0691		0.0478		0.0515	

ALLUVIAL WELLS
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0587-881-002	0387-881-137	0687-881-011	0587-881-001
Customer ID:	2-87-05-29-87	2-87-07-09-87	2-87-10-08-87	4-87-05-20-87
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L
Metals				
Silver (Ag), total.....		0.0076 U	0.0076 U	
Aluminum (Al), total.....		0.0290 U	0.2600	
Arsenic (As), total.....	0.01 U	0.005 U	0.005 U	0.01 U
Barium (Ba), total.....		0.0622	0.1160	
Beryllium (Be), total.....		0.005 U	0.005 U	
Calcium (Ca), total.....		46.8264	43.6185	
Cadmium (Cd), total.....	0.005 U	0.001 U	0.001 U	0.005 U
Cobalt (Co), total.....		0.0220 U	0.0220 U	
Chromium (Cr), total.....		0.0100 U	0.0100 U	
Cesium (Cs), total.....	0.2 U	0.02 U	0.02 U	0.2 U
Copper (Cu), total.....		0.0148	0.0101	
Iron (Fe), total.....		0.0069 U	0.1869	
Mercury (Hg), total.....	0.0003	0.0001 J	0.0004	0.0002 U
Potassium (K), total.....	5.0 U	3.2	6.2	5.0 U
Lithium (Li), total.....	0.02			0.02
Magnesuim (Mg), total.....		12.2454	12.6281	
Manganese (Mn), total.....		0.2178	0.4433	
Molybdenum(Mo), total.....		0.0533	0.0344	
Sodium (Na), total.....		147.4389	144.1006	
Nickel (Ni), total.....		0.0370	0.0370 U	
Lead (Pb), total.....	0.005 U	0.005 U	0.005 U	0.005 U
Antimony (Sb), total.....	0.06 U	0.02 U	0.02 U	0.06 U
Selenium (Se), total.....	0.005 U	0.005 U	0.005 U	0.193
Strontium (Sr), total.....		0.4626	0.4715	
Thallium (Tl), total.....	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium (V), total.....		0.0240 U	0.0240 U	
Zinc (Zn), total.....	0.02 U	0.0200 U	0.0201	0.16

ALLUVIAL WELLS
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-139		0687-881-017		0487-881-065		0487-881-080	
Customer ID:	4-87-07-09-87		4-87-10-15-87		43-87-12-18-87		52-87-11-24-87	
Matrix:	Water		Water		Water		Water	
Units:	MG/L		MG/L		MG/L		MG/L	
Metals								
Silver (Ag), total.....	0.0076	U	0.0076	U	0.0076	U	0.0076	U
Aluminum (Al), total.....	0.0417		0.0712		0.0765		0.0503	
Arsenic (As), total.....	0.005	U	0.005	U	0.009		0.005	U
Barium (Ba), total.....	0.0941		0.0594		0.1129		0.1774	
Beryllium (Be), total.....	0.005	U	0.001	J	0.003	J	0.005	U
Calcium (Ca), total.....	355.9960		235.0496		157.5883		85.6972	
Cadmium (Cd), total.....	0.0005	J	0.001	U	0.001	U	0.0003	J
Cobalt (Co), total.....	0.0220	U	0.0220	U	0.0220	U	0.0220	U
Chromium (Cr), total.....	0.0100	U	0.0782		0.0127		0.0100	U
Cesium (Cs), total.....	0.02	U	0.04	J	0.02	U	0.02	U
Copper (Cu), total.....	0.0190		0.0063	U	0.0364		0.0244	
Iron (Fe), total.....	0.0069	U	0.1119		0.0526		0.0209	
Mercury (Hg), total.....	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Potassium (K), total.....	1.5		12.3					
Lithium (Li), total.....								
Magnesuim (Mg), total.....	69.8038		49.5140		30.8697		19.5478	
Manganese (Mn), total.....	0.5871		0.9586		0.1097		0.2171	
Molybdenum(Mo), total.....	0.0220	U	0.0220	U	0.0220	U	0.0220	U
Sodium (Na), total.....	341.7467		281.9918		180.9535		124.7997	
Nickel (Ni), total.....	0.2536		0.3334		0.1579		0.0401	
Lead (Pb), total.....	0.005	U	0.005	U				
Antimony (Sb), total.....	0.02	U	0.02	U	0.02	U	0.02	U
Selenium (Se), total.....	.23		0.007		0.51		0.005	U
Strontium (Sr), total.....	2.4291		1.6890		1.3286		0.7136	
Thallium (Tl), total.....	0.01	U	0.01	U	0.01	U	0.01	U
Vanadium (V), total.....	0.0302		0.0240	U	0.0240	U	0.0240	U
Zinc (Zn), total.....	0.0780		0.0314		0.5827		0.0252	

ALLUVIAL WELLS
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-068	0187-881-005	0187-881-070	0287-881-064
Customer ID:	6-87-07-31-87	61-86-03-10-87	61-86-05-04-87	61-86-06-25-87
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L

Metals

Silver	(Ag), total.....	0.0076	U	0.0076	U	0.0076	U	0.0076	U
Aluminum	(Al), total.....	0.0290	U	0.0290	U	0.0327		0.0290	U
Arsenic	(As), total.....	0.005	U	0.01	U	0.01	U	0.01	U
Barium	(Ba), total.....	0.1634		0.0763		0.0547		0.0839	
Beryllium	(Be), total.....	0.005	U	0.005	U	0.005	U	0.005	U
Calcium	(Ca), total.....	148.9176		56.1719		63.1671		68.9292	
Cadmium	(Cd), total.....	0.001	U	0.005	U	0.005	U	0.005	U
Cobalt	(Co), total.....	0.0220	U	0.0220	U	0.0220	U	0.0220	U
Chromium	(Cr), total.....	0.0100	U	0.0100	U	0.0100	U	0.0100	U
Cesium	(Cs), total.....	0.02	U	0.2	U	0.2	U	0.2	U
Copper	(Cu), total.....	0.0078		0.0063	U	0.0063	U	0.0063	U
Iron	(Fe), total.....	0.1739		0.0069	U	0.0231		0.0069	U
Mercury	(Hg), total.....	0.0003		0.0002	U	0.0002	U	0.0003	
Potassium	(K), total.....	2.4		5.0	U	5.0	U	5.0	U
Lithium	(Li), total.....								
Magnesuim	(Mg), total.....	40.7284		10.4133		10.5831		9.9486	
Manganese	(Mn), total.....	0.0465		0.0051	U	0.0051	U	0.0051	U
Molybdenum	(Mo), total.....	0.0220	U	0.0220	U	0.0220	U	0.0220	U
Sodium	(Na), total.....	211.6911		12.6492		8.0287		9.4265	
Nickel	(Ni), total.....	0.2691		0.0370	U	0.0370	U	0.0370	U
Lead	(Pb), total.....	0.005	U	0.005	U	0.005	U	0.007	
Antimony	(Sb), total.....	0.02	U	0.0600	U	0.0600	U	0.06	U
Selenium	(Se), total.....	0.02		0.0050	U	0.0050	U	0.005	U
Strontium	(Sr), total.....	1.3294		0.3441		0.3327		0.3357	
Thallium	(Tl), total.....	0.01	U	0.01	U	0.01	U	0.01	U
Vanadium	(V), total.....	0.0240	U	0.0240	U	0.0240	U	0.0240	U
Zinc	(Zn), total.....	0.0200	U	0.02	U	0.02	U	0.0200	U

ALLUVIAL WELLS
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0387-881-108	0187-881-065	0387-881-044	0187-881-090
Customer ID:	61-86-08-27-87	64-86-04-29-87	64-86-07-17-87	65-86-05-13-87
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L

Metals

Silver (Ag), total.....	0.0076 U	0.0076 U	0.0076 U	0.0076 U
Aluminum (Al), total.....	0.0503	0.0290 U	0.0430	0.0290 U
Arsenic (As), total.....	0.005 U	0.0100 U	0.005 U	0.0100 U
Barium (Ba), total.....	0.1365	0.1111	0.0774	0.0922
Beryllium (Be), total.....	0.005 U	0.005 U	0.005 U	0.005 U
Calcium (Ca), total.....	65.5485	52.1962	76.4896	85.8800
Cadmium (Cd), total.....	0.0003 J	0.0050 U	0.0003 J	0.0050 U
Cobalt (Co), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Chromium (Cr), total.....	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Cesium (Cs), total.....	0.02 U	0.2 U	0.02 U	0.2 U
Copper (Cu), total.....	0.0140	0.0063 U	0.0341	0.0063 U
Iron (Fe), total.....	0.0086	0.0069 U	0.0069 U	0.0154
Mercury (Hg), total.....	0.0002 U	0.0002 U	0.006	0.0002 U
Potassium (K), total.....	2.0	5.0 U	2.4	5.0 U
Lithium (Li), total.....				
Magnesuim (Mg), total.....	10.2218	16.1115	23.3312	20.9975
Manganese (Mn), total.....	0.0051 U	0.2782	0.1053	0.0145
Molybdenum(Mo), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Sodium (Na), total.....	12.5229	88.4763	167.2014	74.5395
Nickel (Ni), total.....	0.0370 U	0.4380	0.0370 U	0.0370 U
Lead (Pb), total.....	0.005 U	0.0050 U	0.005 U	0.0050 U
Antimony (Sb), total.....	0.02 U	0.06 U	0.02 U	0.06 U
Selenium (Se), total.....	0.005 U	0.005 U	0.002 J	0.005 U
Strontium (Sr), total.....	0.3578	0.4237	0.6982	0.5659
Thallium (Tl), total.....	0.01 U	0.0100 U	0.01 U	0.0100 U
Vanadium (V), total.....	0.0240 U	0.0240 U	0.0368	0.0240 U
Zinc (Zn), total.....	0.0364	0.02	0.0218	0.02 U

ALLUVIAL WELLS
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0287-881-020	0387-881-116	0187-881-084	0287-881-018
Customer ID:	65-86-05-29-87	65-86-09-09-87	66-86-05-11-87	66-86-05-29-87
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L

Metals

Silver (Ag), total.....	0.0076 U	0.0076 U	0.0076 U	0.0076 U
Aluminum (Al), total.....	0.0290 U	0.2410	0.0411	0.0290 U
Arsenic (As), total.....	0.01 U	0.005 U	0.0100 U	0.01 U
Barium (Ba), total.....	0.1085	0.2399	0.0726	0.1065
Beryllium (Be), total.....	0.005 U	0.005 U	0.005 U	0.005 U
Calcium (Ca), total.....	92.4841	99.8950	33.8505	49.7015
Cadmium (Cd), total.....	0.005 U	0.001	0.0050 U	0.005 U
Cobalt (Co), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Chromium (Cr), total.....	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Cesium (Cs), total.....	0.2 U	0.02 U	0.2 U	0.2 U
Copper (Cu), total.....	0.0063 U	0.0202	0.0063 U	0.0063 U
Iron (Fe), total.....	0.0086	0.4065	0.0193	0.0125
Mercury (Hg), total.....	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Potassium (K), total.....	5.0 U	2.7	5.0 U	5.0 U
Lithium (Li), total.....				
Magnesuim (Mg), total.....	20.0700	26.1863	7.6188	9.5567
Manganese (Mn), total.....	0.0092	0.1589	0.1277	0.1474
Molybdenum(Mo), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Sodium (Na), total.....	72.2864	75.5453	23.3693	28.6255
Nickel (Ni), total.....	0.0370 U	0.0534	0.0983	0.0370 U
Lead (Pb), total.....	0.024	0.001 J	0.0050 U	0.018
Antimony (Sb), total.....	0.06 U	0.02 U	0.06 U	0.06 U
Selenium (Se), total.....	0.005 U	0.005 U	0.005 U	0.005 U
Strontium (Sr), total.....	0.5725	0.7864	0.2074	0.2748
Thallium (Tl), total.....	0.01 U	0.01 U	0.0100 U	0.01 U
Vanadium (V), total.....	0.0240 U	0.0240 U	0.0240 U	0.0240 U
Zinc (Zn), total.....	0.0271	0.0990	0.02 U	0.0200 U

ALLUVIAL WELLS
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-066	0287-881-019	0387-881-146	0187-881-064
Customer ID:	68-86-04-29-87	68-86-05-29-87	68-86-07-15-87	69-86-04-29-87
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L

Metals

Silver (Ag), total.....	0.0076 U	0.0076 U	0.0076 U	0.0076 U
Aluminum (Al), total.....	0.1875	0.0290 U	0.0408	0.0290 U
Arsenic (As), total.....	0.0100 U	0.01 U	0.005 U	0.0100 U
Barium (Ba), total.....	0.1674	0.1083	0.1144	0.1023
Beryllium (Be), total.....	0.005 U	0.005 U	0.005 U	0.005 U
Calcium (Ca), total.....	14.0693	34.5836	36.8772	148.0271
Cadmium (Cd), total.....	0.0070	0.005 U	0.001 U	0.0050 U
Cobalt (Co), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Chromium (Cr), total.....	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Cesium (Cs), total.....	0.2 U	0.2 U	0.02 U	0.2 U
Copper (Cu), total.....	0.0063 U	0.0063 U	0.0236	0.0063 U
Iron (Fe), total.....	0.1043	3.1878	0.0729	0.0069 U
Mercury (Hg), total.....	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Potassium (K), total.....	5.0 U	5.0 U	1.4	5.0 U
Lithium (Li), total.....				
Magnesuim (Mg), total.....	3.4130	6.9261	8.0926	41.1264
Manganese (Mn), total.....	0.1490	0.2590	0.3023	0.0274
Molybdenum(Mo), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Sodium (Na), total.....	20.4775	21.0255	27.3999	142.8058
Nickel (Ni), total.....	0.0370 U	0.0370 U	0.0370 U	0.0370 U
Lead (Pb), total.....	0.0050 U	0.024	0.005 U	0.0050 U
Antimony (Sb), total.....	0.06 U	0.06 U	0.02 U	0.06 U
Selenium (Se), total.....	0.005 U	0.005 U	0.005 U	0.24
Strontium (Sr), total.....	0.0976	0.2051	0.2305	1.1452
Thallium (Tl), total.....	0.0100 U	0.01 U	0.01 U	0.01 U
Vanadium (V), total.....	0.0240 U	0.0240 U	0.0352	0.0240 U
Zinc (Zn), total.....	0.03	0.0216	0.0200 U	0.02 U

ALLUVIAL WELLS
METALS
INORGANICS DATA SUMMARY REPORT

Sample Information

RFW Batch ID:	0287-881-008	0387-881-025	0487-881-015	0187-881-004
Customer ID:	69-86-05-26-87	69-86-07-07-87	69-86-10-08-87	9-74-03-09-87
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L

Metals

Silver (Ag), total.....	0.0076 U	0.0076 U	0.0076 U	0.0094
Aluminum (Al), total.....	0.0290 U	0.0359	0.0700	0.0290 U
Arsenic (As), total.....	0.01 U	0.005 U	0.005 U	0.01 U
Barium (Ba), total.....	0.1056	0.1215	0.1132	0.0840
Beryllium (Be), total.....	0.005 U	0.005 U	0.005 U	0.005 U
Calcium (Ca), total.....	154.8550	138.0943	113.3098	263.4966
Cadmium (Cd), total.....	0.005 U	0.001 U	0.0005 J	0.005 U
Cobalt (Co), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Chromium (Cr), total.....	0.0100 U	0.0100 U	0.0234	0.0100 U
Cesium (Cs), total.....	0.2 U	0.02 U	0.02 U	0.2 U
Copper (Cu), total.....	0.0063 U	0.0103	0.0133	0.0063 U
Iron (Fe), total.....	0.0069 U	0.0128	0.0809	0.0069 U
Mercury (Hg), total.....	0.0002 U	0.0002 U	0.0005	0.0002 U
Potassium (K), total.....	5.0 U	0.8	1.1	5.0 U
Lithium (Li), total.....			0.04 J	
Magnesuim (Mg), total.....	39.8560	34.4513	30.8814	55.3301
Manganese (Mn), total.....	0.0051 U	0.0051 U	0.0222	0.0051 U
Molybdenum(Mo), total.....	0.0220 U	0.0220 U	0.0220 U	0.0220 U
Sodium (Na), total.....	134.4014	139.0061	129.8482	183.9774
Nickel (Ni), total.....	0.0370 U	0.0370 U	0.0370 U	0.0370 U
Lead (Pb), total.....	0.008	0.005 U	0.005 U	0.005 U
Antimony (Sb), total.....	0.06 U	0.02 U	0.02 U	0.0600 U
Selenium (Se), total.....	0.20	0.02	0.1	0.95
Strontium (Sr), total.....	1.0142	1.0493	0.8966	1.9806
Thallium (Tl), total.....	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium (V), total.....	0.0240 U	0.0240 U	0.0240 U	0.0240 U
Zinc (Zn), total.....	0.0209	0.0200 U	0.0425	0.06

ALLUVIAL WELLS
METALS
INORGANICS DATA SUMMARY REPORT

RFW Batch Number: Client: ROCKWELL (ROCKY FLATS)

Sample Information

RFW Batch ID:	0187-881-047	0287-881-001	0387-881-020	0487-881-026
Customer ID:	9-74-04-09-87	9-74-05-22-87	9-74-07-02-87	9-74-10-21-87
Matrix:	Water	Water	Water	Water
Units:	MG/L	MG/L	MG/L	MG/L

Metals

Silver	(Ag), total.....	0.0076	U	0.0076	U	0.0076	U	0.0076	U
Aluminum	(Al), total.....	0.0321		0.0290	U	0.0481		0.0515	
Arsenic	(As), total.....	0.01	U	0.01	U	0.008	J	0.005	U
Barium	(Ba), total.....	0.1371		0.0693		0.0918		0.0896	
Beryllium	(Be), total.....	0.005	U	0.005	U	0.005	U	0.001	J
Calcium	(Ca), total.....	199.7978		211.0518		262.2745		218.1526	
Cadmium	(Cd), total.....	0.005	U	0.005	U	0.001	U	0.001	U
Cobalt	(Co), total.....	0.0220	U	0.0220	U	0.0220	U	0.0220	U
Chromium	(Cr), total.....	0.0100	U	0.0100	U	0.0100	U	0.0192	
Cesium	(Cs), total.....	0.2	U	0.2	U	0.02	U	0.02	U
Copper	(Cu), total.....	0.0063	U	0.0063	U	0.0184		0.0144	
Iron	(Fe), total.....	0.0069	U	0.0069	U	0.0069	U	0.0447	
Mercury	(Hg), total.....	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Potassium	(K), total.....	5.0	U	5.0	U	2.2		1.9	
Lithium	(Li), total.....							0.6	
Magnesuim	(Mg), total.....	47.0034		44.8732		56.1795		55.1443	
Manganese	(Mn), total.....	0.0075		0.0134		0.0261		0.0394	
Molybdenum	(Mo), total.....	0.0220	U	0.0220	U	0.0220	U	0.0220	U
Sodium	(Na), total.....	142.7789		152.3863		187.4977		158.4178	
Nickel	(Ni), total.....	0.0370	U	0.0370	U	0.0370	U	0.0370	U
Lead	(Pb), total.....	0.005	U	0.016		0.005	U	0.005	U
Antimony	(Sb), total.....	0.0600	U	0.06	U	0.02	U	0.006	J
Selenium	(Se), total.....	0.46		0.039		0.9		0.8	
Strontium	(Sr), total.....	1.6165		1.3926		2.0519		1.8471	
Thallium	(Tl), total.....	0.01	U	0.01	U	0.01	U	0.01	U
Vanadium	(V), total.....	0.0240	U	0.0240	U	0.0240	U	0.0240	U
Zinc	(Zn), total.....	0.08		0.0298	U	0.0330		0.0270	