485102

10/16/2000 15:05 16174942789

LIBBY, MT: BORROW FILL SOURCES

Results For L0009091

Account:CDM-MT - Camp Dresser & McKee, Inc.
Project: 2603-006-002-FLD
Samples Received by Alpha on 10-OCT-00

SAMPLE LOCATION		Stockpile 1	Duplicate Stockpile 1	Stockpile 2	Stockpile 3	Stockpile 4	Stockpile 6	Stockpile 5
SAMPLE NUMBER		IR-02584	IR-02585	IR-02586	IR-02587	IR-02588	IR-02589	IR-02590
SAMPLING DATE		06-OCT-00	06-OCT-00	06-OCT-00	06-OCT-00	06-OCT-00	06-OCT-00	06-OCT-00
LAB SAMPLE ID	Units	L0009091-01	L0009091-02	L0009091-03	L0009091-04	L0009091-05	L0009091-06	L0009091-07
PARAMETER								
Hydrocarbons, Total(IR)	mg/kg	110	69	50	170	210	140	78
Antimony, Total	mg/kg	<2	<2	<2	<2	<2	<2	<2
Arsenic, Total	mg/kg	2.8	2.6	4	2.5	2.6	1.8	2.2
Beryllium, Total	mg/kg	0.34	0.26	0.24	<0.2	<0.2	<0.2	0.24
Cadmium, Total	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39
Chromium, Total	mg/kg	62	57	16	100	77	110	83
Copper, Total	mg/kg	39	39	36	27	27	23	31
Lead, Total	mg/kg	18	14	12	13	14	9.9	12
Mercury, Total	mg/kg	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Nickel, Total	mg/kg	16	14	10	19	18	19	16
Selenium, Total	mg/kg	<0.79	<0.79	<0.79	<0.8	<0.79	<0.8	<0.79
Silver, Total	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39
Thallium, Total	mg/kg	<0.79	<0.79	<0.79	<0.8	<0.79	<0.8	<0.79
Zinc, Total	mg/kg	43	37	31	30	32	25	34
Methylene chloride	ug/kg	<290	<280	<290	<290	<290	<290	<290
1,1-Dichloroethane	ug/kg	<7.6	<7.6	<7.8	<8	<7.6	<7.8	<8
Chloroform	ug/kg	<7.6	<7.6	<7.8	<8	<7.6	<7.8	<8
Carbon tetrachloride	ug/kg	<5.1	<5	<5.2	<5.3	<5.1	<5.2	<5.3
1,2-Dichloropropane	ug/kg	<18	<18	<18	<19	<18	<18	<19
Dibromochloromethane	ug/kg	<5.1	<5	<5.2	<5.3	<5.1	<5.2	<5.3
1,1,2-Trichloroethane	ug/kg	<7.6	<7.6	<7.8	<8	<7.6	<7.8	<8
Tetrachloroethene	ug/kg	<5.1	<5	<5.2	<5.3	<5.1	<5.2	<5.3

485102

SAMPLE LOCATION		Stockpile 1	Duplicate Stockpile 1	Stockpile 2	Stockpile 3	Stockpile 4	Stockpile 6	Stockpile 5
SAMPLE NUMBER		IR-02584	IR-02585	IR-02586	IR-02587	IR-02588	IR-02589	IR-02590
Chlorobenzene	ug/kg	<18	<18	<18	<19	<18	<18	<19
Trichlorofluoromethane	ug/kg	<26	<25	<26	<26	<26	<26	<26
1,2-Dichloroethane	ug/kg	<5.1	<5	<5.2	<5.3	<5.1	<5.2	<5.3
1,1,1-Trichloroethane	ug/kg	<5.1	<5	<5.2	<5.3	<5.1	<5.2	<5.3
Bromodichloromethane	ug/kg	<5.1	<5	<5.2	<5.3	<5.1	<5.2	<5.3
trans-1,3-Dichloropropene	ug/kg	<5.1	<5	<5.2	<5.3	<5.1	<5.2	<5.3
cis-1,3-Dichloropropene	ug/kg	<5.1	<5	<5.2	<5.3	<5.1	<5.2	<5.3
1,1-Dichloropropene	ug/kg	<26	<25	<26	<26	<26	<26	<26
Bromoform	ug/kg	<5.1	<5	<5.2	<5.3	<5.1	<5.2	<5.3
1,1,2,2-Tetrachloroethane	ug/kg	<5.1	<5	<5.2	<5.3	<5.1	<5.2	<5.3
Benzene	ug/kg	<5.1	<5	<5.2	<5.3	<5.1	<5.2	<5.3
Toluene	ug/kg	<7.6	<7.6	<7.8	<8	<7.6	<7.8	<8
Ethylbenzene	ug/kg	<5.1	<5	<5.2	<5.3	<5.1	<5.2	<5.3
Chloromethane	ug/kg	<51	<50	<52	<53	<51	<52	<53
Bromomethane	ug/kg	<10	<10	<10	<11	<10	<10	<11
Vinyl chloride	ug/kg	<10	<10	<10	<11	<10	<10	<11
Chloroethane	ug/kg	<10	<10	<10	<11	<10	<10	<11
1,1-Dichloroethene	ug/kg	<7.6	<7.6	<7.8	<8	<7.6	<7.8	<8
trans-1,2-Dichloroethene	ug/kg	<7.6	<7.6	<7.8	<8	<7.6	<7.8	<8
Trichloroethene	ug/kg	<5.1	<5	<5.2	<5.3	<5.1	<5.2	<5.3
1,2-Dichlorobenzene	ug/kg	<26	<25	<26	<26	<26	<26	<26
1,3-Dichlorobenzene	ug/kg	<26	<25	<26	<26	<26	<26	<26
1,4-Dichlorobenzene	ug/kg	<26	<25	<26	<26	<26	<26	<26
Methyl tert butyl ether	ug/kg	<20	<20	<21	<21	<20	<21	<21
p/m-Xylene	ug/kg	<5.1	<5	<5.2	<5.3	<5.1	<5.2	<5.3
o-Xylene	ug/kg	<5.1	<5	<5.2	<5.3	<5.1	<5.2	<5.3
cis-1,2-Dichloroethene	ug/kg	<5.1	<5	<5.2	<5.3	<5.1	<5.2	<5.3
Dibromomethane	ug/kg	<51	<50	<52	<53	<51	<52	<53
1,4-Dichlorobutane	ug/kg	<51	<50	<52	<53	<51	<52	<53
Iodomethane	ug/kg	<51	<50	<52	<53	<51	<52	<53
1,2,3-Trichloropropane	ug/kg	<51	<50	<52	<53	<51	<52	<53
Styrene	ug/kg	<5.1	<5	<5.2	<5.3	<5.1	<5.2	<5.3
Dichlorodifluoromethane	ug/kg	<51	<50	<52	<53	<51	<52	<53
Acetone	ug/kg	<51	<50	<52	<53	<51	<52	<53

SAMPLE LOCATION		Stockpile 1	Duplicate Stockpile 1	Stockpile 2	Stockpile 3	Stockpile 4	Stockpile 6	Stockpile 5
SAMPLE NUMBER		IR-02584	IR-02585	IR-02586	IR-02587	IR-02588	IR-02589	IR-02590
Carbon disulfide	ug/kg	<51	<50	<52	<53	<51	<52	<53
2-Butanone	ug/kg	<51	<50	<52	<53	<51	<52	<53
Vinyl acetate	ug/kg	<51	<50	<52	<53	<51	<52	<53
4-Methyl-2-pentanone	ug/kg	<51	<50	<52	<53	<51	<52	<53
2-Hexanone	ug/kg	<51	<50	<52	<53	<51	<52	<53
Ethyl methacrylate	ug/kg	<51	<50	<52	<53	<51	<52	<53
Acrolein	ug/kg	<130	<130	<130	<130	<130	<130	<130
Acrylonitrile	ug/kg	<51	<50	<52	<53	<51	<52	<53
Bromochloromethane	ug/kg	<26	<25	<26	<26	<26	<26	<26
Tetrahydrofuran	ug/kg	<100	<100	<100	<110	<100	<100	<110
2,2-Dichloropropane	ug/kg	<26	<25	<26	<26	<26	<26	<26
1,2-Dibromoethane	ug/kg	<26	<25	<26	<26	<26	<26	<26
1,3-Dichloropropane	ug/kg	<26	<25	<26	<26	<26	<26	<26
1,1,1,2-Tetrachloroethane	ug/kg	<26	<25	<26	<26	<26	<26	<26
Bromobenzene	ug/kg	<26	<25	<26	<26	<26	<26	<26
n-Butylbenzene	ug/kg	<26	<25	<26	<26	<26	<26	<26
sec-Butylbenzene	ug/kg	<26	<25	<26	<26	<26	<26	<26
tert-Butylbenzene	ug/kg	<26	<25	<26	<26	<26	<26	<26
o-Chlorotoluene	ug/kg	<26	<25	<26	<26	<26	<26	<26
p-Chlorotoluene	ug/kg	<26	<25	<26	<26	<26	<26	<26
1,2-Dibromo-3-chloropropane	ug/kg	<26	<25	<26	<26	<26	<26	<26
Hexachlorobutadiene	ug/kg	<26	<25	<26	<26	<26	<26	<26
Isopropylbenzene	ug/kg	<26	<25	<26	<26	<26	<26	<26
p-Isopropyltoluene	ug/kg	<26	<25	<26	<26	<26	<26	<26
Naphthalene	ug/kg	<500	<500	<500	<1000	<500	<500	<500
n-Propylbenzene	ug/kg	<26	<25	<26	<26	<26	<26	<26
1,2,3-Trichlorobenzene	ug/kg	<26	<25	<26	<26	<26	<26	<26
1,2,4-Trichlorobenzene	ug/kg	<26	<25	<26	<26	<26	<26	<26
1,3,5-Trimethylbenzene	ug/kg	<26	<25	<26	<26	<26	<26	<26
1,2,4-Trimethylbenzene	ug/kg	<26	<25	<26	<26	<26	<26	<26
trans-1,4-Dichloro-2-butene	ug/kg	<26	<25	<26	<26	<26	<26	<26
Ethyl ether	ug/kg	<130	<130	<130	<130	<130	<130	<130
Acenaphthene	ug/kg	<500	<500	<500	<1000	<500	<500	<500
2-Chloronaphthalene	ug/kg	<500	<500	<500	<1000	<500	<500	<500

SAMPLE LOCATION		Stockpile 1	Duplicate Stockpile 1	Stockpile 2	Stockpile 3	Stockpile 4	Stockpile 6	Stockpile 5
SAMPLE NUMBER		IR-02584	IR-02585	IR-02586	IR-02587	IR-02588	IR-02589	IR-02590
Fluoranthene	ug/kg	<500	<500	<500	<1000	<500	<500	<500
Naphthalene	ug/kg	<500	<500	<500	<1000	<500	<500	<500
Benzo(a)anthracene	ug/kg	<500	<500	<500	<1000	<500	<500	<500
Benzo(a)pyrene	ug/kg	<500	<500	<500	<1000	<500	<500	<500
Benzo(b)fluoranthene	ug/kg	<500	<500	<500	<1000	<500	<500	<500
Benzo(k)fluoranthene	ug/kg	<500	<500	<500	<1000	<500	<500	<500
Chrysene	ug/kg	<500	<500	<500	<1000	<500	<500	<500
Acenaphthylene	ug/kg	<500	<500	<500	<1000	<500	<500	<500
Anthracene	ug/kg	<500	<500	<500	<1000	<500	<500	<500
Benzo(ghi)perylene	ug/kg	<500	<500	<500	<1000	<500	<500	<500
Fluorene	ug/kg	<500	<500	<500	<1000	<500	<500	<500
Phenanthrene	ug/kg	<500	<500	<500	<1000	<500	<500	<500
Dibenzo(a,h)anthracene	ug/kg	<500	<500	<500	<1000	<500	<500	<500
Indeno(1,2,3-cd)pyrene	ug/kg	<500	<500	<500	<1000	<500	<500	<500
Pyrene	ug/kg	<500	<500	<500	<1000	<500	<500	<500
Benzo(e)pyrene	ug/kg	<500	<500	<500	<1000	<500	<500	<500
Biphenyl	ug/kg	<500	<500	<500	<1000	<500	<500	<500
Perylene	ug/kg	<500	<500	<500	<1000	<500	<500	<500
1-Methylnaphthalene	ug/kg	<500	<500	<500	<1000	<500	<500	<500
2-Methylnaphthalene	ug/kg	<500	<500	<500	<1000	<500	<500	<500