Appendix B.

Mercury Deposition Network Records for Buffalo Pass, Colorado and Caballo, New Mexico

National Atmospheric Deposition Program/MDN

Weekly Mercury Concentrations and Depositions

Buffalo Pass, Colorado

(Retrieved from http://nadp.sws.uiuc.edu/mdn 8/1/01; valid data only)

Site	Date On	Date Off	Subppt	Pptrec	HgConc	HgDep	QR	Sample Type	Notes
			mm	mm	ng/L	ng/m²			
CO97	09/29/1998	10/13/1998	69.9	69.9	8.3	578.5	B	W	e
CO97	10/13/1998	10/20/1998	3.8	3.8	7.4	28.0	B	W	h
CO97	10/20/1998	10/27/1998	7.1	7.1	3.7	26.3	A	W	
CO97	10/27/1998	11/03/1998	66.8	66.8	3.9	262.5	B	W	d
CO97	11/03/1998	11/17/1998	56.8	56.8	--	--	C	W	fueh
CO97	11/17/1998	11/24/1998	--	--	--	--	C	W	fp
CO97	12/15/1998	12/22/1998	--	--	--	--	C	W	fp
CO97	12/22/1998	12/29/1998	44.5	44.5	6.5	291.0	A	W	
CO97	12/29/1998	01/05/1999	48.8	48.8	5.6	274.0	A	W	
CO97	01/05/1999	01/12/1999	18.8	18.8	6.5	122.1	A	W	
CO97	01/12/1999	01/19/1999	74.2	74.2	--	--	C	W	fhz
CO97	01/19/1999	01/26/1999	59.4	59.4	5.6	332.3	B	W	z
CO97	01/26/1999	02/02/1999	14.7	14.7	6.6	97.8	B	W	h
CO97	02/02/1999	02/09/1999	41.7	41.7	--	--	C	W	fhd
CO97	02/09/1999	02/16/1999	10.7	10.7	11.3	120.1	B	W	d
CO97	02/16/1999	02/23/1999	47.0	47.0	6.5	305.3	A	W	

CO97	02/23/1999	03/02/1999	18.8	18.8	11.9	223.1	B	W	hdm
CO97	03/02/1999	03/09/1999	17.8	--	--	--	C	W	udmz
CO97	03/09/1999	03/16/1999	10.2	10.2	10.9	110.9	B	W	dm
CO97	03/16/1999	03/23/1999	0.0	0.0	--	0.0	B	T	h
CO97	03/23/1999	03/30/1999	20.8	20.8	19.4	404.6	B	W	hd
CO97	03/30/1999	04/06/1999	25.9	25.9	4.0	103.9	B	W	d
CO97	04/06/1999	04/13/1999	30.2	30.2	21.0	633.8	B	W	d
CO97	04/13/1999	04/20/1999	7.4	7.4	10.7	78.7	B	W	hd
CO97	04/20/1999	04/27/1999	83.9	83.9	5.4	452.1	B	W	dz
CO97	04/27/1999	05/04/1999	29.0	29.0	13.3	387.2	B	W	hd
CO97	05/04/1999	05/11/1999	41.1	41.1	13.3	549.3	B	W	hd
CO97	05/11/1999	05/18/1999	27.9	27.9	10.9	302.5	B	W	d
CO97	05/18/1999	05/25/1999	0.0	0.0	--	0.0	B	T	d
CO97	05/25/1999	06/01/1999	22.9	22.9	14.2	324.1	A	W	
CO97	06/01/1999	06/08/1999	25.7	25.7	9.6	247.7	B	W	d
CO97	06/08/1999	06/15/1999	3.6	3.6	22.3	79.2	B	W	h
CO97	06/15/1999	06/22/1999	21.6	21.6	14.2	307.3	B	W	h
CO97	06/22/1999	06/29/1999	0.0	0.0	--	0.0	B	T	h
CO97	06/29/1999	07/06/1999	2.3	2.3	64.7	147.9	B	W	h
CO97	07/06/1999	07/13/1999	12.7	12.7	7.7	98.0	B	W	h
CO97	07/13/1999	07/20/1999	40.4	40.4	11.7	473.2	B	W	d
CO97	07/20/1999	07/27/1999	9.4	9.4	18.9	177.7	B	W	hd
CO97	07/27/1999	08/10/1999	38.1	38.1	11.2	426.5	B	W	ed
CO97	08/10/1999	08/17/1999	12.3	12.3	15.6	193.0	B	W	hd
CO97	08/17/1999	08/24/1999	9.9	9.9	11.5	113.4	B	W	d
CO97	08/24/1999	08/31/1999	16.4	16.4	--	--	C	W	fdm

CO97	08/31/1999	09/07/1999	10.4	10.4	10.4	108.4	B	W	d
CO97	09/07/1999	09/14/1999	3.0	3.0	17.6	53.6	B	W	hd
CO97	09/14/1999	09/21/1999	14.5	--	6.9	99.6	B	W	dm
CO97	09/21/1999	09/28/1999	4.1	4.1	13.2	53.6	B	W	h
CO97	09/28/1999	10/05/1999	2.9	2.9	14.3	40.9	A	W	
CO97	10/05/1999	10/12/1999	2.4	2.4	30.0	72.3	B	W	d
CO97	10/12/1999	10/19/1999	1.8	1.8	17.3	31.9	A	W	
CO97	10/19/1999	10/26/1999	0.0	0.0	--	0.0	A	D	
CO97	10/26/1999	11/02/1999	15.2	15.2	14.0	213.6	B	W	h
CO97	11/02/1999	11/09/1999	0.0	0.0	--	0.0	A	D	
CO97	11/09/1999	11/16/1999	0.0	0.0	--	0.0	A	D	
CO97	11/16/1999	11/23/1999	53.3	53.3	17.2	915.7	B	W	hd
CO97	11/23/1999	11/30/1999	14.7	14.7	12.2	180.1	B	W	d
CO97	11/30/1999	12/07/1999	12.2	12.2	5.7	69.7	B	W	hd
CO97	12/07/1999	12/14/1999	32.0	32.0	2.4	75.8	B	W	d
CO97	12/14/1999	12/28/1999	59.7	59.7	2.0	119.6	B	W	ed
CO97	12/28/1999	01/04/2000	16.8	16.8	--	--	C	W	fn
CO97	01/04/2000	01/18/2000	90.6	90.6	--	--	C	W	fev
CO97	01/18/2000	01/25/2000	61.6	61.6	7.3	449.7	B	W	d
CO97	01/25/2000	02/01/2000	37.2	37.2	--	--	C	W	fd
CO97	02/01/2000	02/08/2000	0.0	0.0	--	0.0	A	T	
CO97	02/08/2000	02/15/2000	114.3	114.3	--	--	C	W	fdh
CO97	02/15/2000	02/22/2000	34.8	34.8	5.1	177.9	B	W	d
CO97	02/22/2000	02/29/2000	36.7	36.7	--	--	C	W	dl
CO97	02/29/2000	03/07/2000	12.6	12.6	9.8	123.8	B	W	d
CO97	03/07/2000	03/14/2000	53.3	53.3	3.4	179.3	B	W	d

CO97	03/14/2000	03/21/2000	21.9	--	5.8	127.5	B	W	dm
CO97	03/21/2000	03/28/2000	19.2	19.2	11.0	211.7	B	W	h
CO97	03/28/2000	04/04/2000	26.9	26.9	4.4	117.5	B	W	d
CO97	04/04/2000	04/11/2000	0.0	0.0	--	0.0	A	D	
CO97	04/11/2000	04/18/2000	24.4	24.4	6.8	165.6	B	W	d
CO97	04/18/2000	04/25/2000	45.7	45.7	7.1	324.7	B	W	d
CO97	04/25/2000	05/02/2000	3.6	3.6	20.2	72.0	B	W	d
CO97	05/02/2000	05/09/2000	29.7	29.7	5.7	170.6	B	W	d
CO97	05/09/2000	05/16/2000	25.4	25.4	16.5	419.8	A	W	
CO97	05/16/2000	05/23/2000	19.9	19.9	8.5	169.6	A	W	
CO97	05/23/2000	05/30/2000	39.0	39.0	--	--	C	W	fd
CO97	05/30/2000	06/06/2000	0.0	0.0	--	0.0	B	D	h
CO97	06/06/2000	06/20/2000	36.6	36.6	15.7	575.9	B	W	ed
CO97	06/20/2000	06/27/2000	4.4	4.4	37.4	166.1	A	W	
CO97	06/27/2000	07/03/2000	0.2	--	40.0	7.6	B	T	i
CO97	07/03/2000	07/11/2000	6.0	6.0	19.9	119.8	A	W	
CO97	07/11/2000	07/18/2000	23.3	23.3	18.3	426.4	A	W	
CO97	07/18/2000	07/25/2000	4.1	4.1	49.1	202.8	B	W	d
CO97	07/25/2000	08/01/2000	0.2	--	157.8	31.6	B	T	dhi
CO97	08/01/2000	08/08/2000	5.3	5.3	35.1	187.0	A	W	
CO97	08/08/2000	08/15/2000	1.0	1.0	46.6	47.4	B	W	mi
CO97	08/15/2000	08/22/2000	33.1	33.1	18.9	626.6	B	W	d
CO97	08/22/2000	08/29/2000	28.2	28.2	16.5	464.1	B	W	d
CO97	08/29/2000	09/05/2000	26.2	26.2	15.4	401.7	B	W	d
CO97	09/05/2000	09/12/2000	11.5	11.5	16.8	193.1	A	W	
CO97	09/12/2000	09/19/2000	8.8	8.8	15.8	138.3	A	W	

CO97	09/19/2000	09/26/2000	79.2	79.2	6.0	478.8	B	W	d
CO97	10/03/2000	10/10/2000	0.0	0.0	0.0	0.0	A	D	
CO97	10/10/2000	10/17/2000	12.6	12.6	10.4	130.6	B	W	d
CO97	10/17/2000	10/24/2000	1.0	1.0	11.1	10.6	B	W	i
CO97	10/24/2000	10/31/2000	16.3	16.3	3.5	57.7	B	W	dh
CO97	10/31/2000	11/07/2000	13.1	--	3.2	42.4	B	W	hm
CO97	11/07/2000	11/14/2000	18.7	18.7	2.5	46.8	B	W	h
CO97	11/14/2000	11/21/2000	19.2	19.2	1.2	23.9	B	W	d
CO97	11/21/2000	11/28/2000	34.3	34.3	--	--	C	W	fh
CO97	11/28/2000	12/05/2000	11.6	11.6	8.2	95.5	B	W	d
CO97	12/12/2000	12/19/2000	49.5	49.5	1.8	89.6	B	W	h

National Atmospheric Deposition Program/MDN

Weekly Mercury Concentrations and Depositions

Caballo, New Mexico

(Retrieved from http://nadp.sws.uiuc.edu/mdn 8/1/01; valid data only)

Site	Date On	Date Off	Subppt	Pptrec	HgConc	HgDep	QR	Sample Type	Notes
			mm	mm	ng/L	ng/m²			
NM10	12/30/1997	01/06/1998	0.0	0.0	--	0.0	B	D	h
NM10	01/06/1998	01/13/1998	0.0	0.0	--	0.0	B	D	d
NM10	01/13/1998	01/20/1998	0.0	0.0	--	0.0	A	D	
NM10	01/20/1998	01/27/1998	1.3	1.3	11.1	14.0	B	W	i
NM10	01/27/1998	02/03/1998	0.0	0.0	--	0.0	A	D	
NM10	02/03/1998	02/10/1998	0.3	--	23.6	6.1	B	D	hi
NM10	02/10/1998	02/17/1998	0.0	0.0	--	0.0	A	D	
NM10	02/17/1998	02/24/1998	0.2	--	25.8	5.5	B	T	i
NM10	02/24/1998	03/03/1998	0.0	0.0	--	0.0	B	D	dh
NM10	03/03/1998	03/10/1998	0.0	0.0	--	0.0	A	D	
NM10	03/10/1998	03/17/1998	12.0	--	18.9	227.6	B	W	m
NM10	03/17/1998	03/24/1998	1.3	1.3	20.0	25.3	A	W	
NM10	03/24/1998	03/31/1998	0.0	0.0	--	0.0	A	D	
NM10	03/31/1998	04/07/1998	0.0	0.0	--	0.0	A	D	
NM10	04/07/1998	04/14/1998	0.0	0.0	--	0.0	A	T	
NM10	04/14/1998	04/21/1998	0.0	0.0	--	0.0	A	D	
NM10	04/21/1998	04/28/1998	8.5	8.5	6.8	57.5	A	W	
NM10	04/28/1998	05/05/1998	0.0	0.0	--	0.0	A	D	
NM10	05/05/1998	05/12/1998	0.0	0.0	--	0.0	B	D	d

NM10	05/12/1998	05/19/1998	0.0	0.0	--	0.0	A	D	
NM10	05/19/1998	05/26/1998	0.0	0.0	--	0.0	A	D	
NM10	05/26/1998	06/02/1998	0.0	0.0	--	0.0	B	D	d
NM10	06/02/1998	06/09/1998	0.0	0.0	--	0.0	A	D	
NM10	06/09/1998	06/16/1998	0.5	0.5	30.0	15.2	B	T	d
NM10	06/16/1998	06/23/1998	0.0	0.0	--	0.0	B	D	d
NM10	06/23/1998	06/30/1998	0.0	0.0	--	0.0	B	D	h
NM10	06/30/1998	07/07/1998	28.1	28.1	22.2	624.5	B	W	d
NM10	07/07/1998	07/14/1998	10.3	10.3	21.3	218.8	B	W	dh
NM10	07/14/1998	07/21/1998	18.9	18.9	10.8	205.0	B	W	d
NM10	07/21/1998	07/28/1998	3.1	3.1	29.2	91.1	B	W	h
NM10	07/28/1998	08/04/1998	10.1	10.1	40.8	410.4	A	W	
NM10	08/04/1998	08/11/1998	0.0	--	--	0.0	A	T	m
NM10	08/11/1998	08/18/1998	6.2	6.2	36.6	227.5	A	W	
NM10	08/18/1998	08/25/1998	4.7	4.7	116.0	544.9	B	W	i
NM10	08/25/1998	09/01/1998	2.0	2.0	71.0	144.2	A	W	
NM10	09/01/1998	09/08/1998	0.8	0.8	13.6	10.3	B	W	i
NM10	09/08/1998	09/15/1998	0.0	0.0	--	0.0	A	T	
NM10	09/15/1998	09/22/1998	0.0	0.0	--	0.0	A	D	
NM10	09/22/1998	09/29/1998	0.0	0.0	--	0.0	A	D	
NM10	09/29/1998	10/06/1998	0.6	0.6	--	--	C	T	fn
NM10	10/06/1998	10/13/1998	0.0	0.0	--	0.0	B	D	h
NM10	10/13/1998	10/20/1998	2.9	2.9	13.0	37.9	A	W	
NM10	10/20/1998	10/27/1998	40.9	--	11.0	451.5	B	W	dhm
NM10	10/27/1998	11/03/1998	11.3	11.3	27.3	308.2	B	W	d
NM10	11/03/1998	11/10/1998	0.0	--	--	0.0	B	D	m

NM10	11/10/1998	11/17/1998	3.0	3.0	18.3	55.8	A	W	
NM10	11/17/1998	11/24/1998	0.0	0.0	--	0.0	A	D	
NM10	11/24/1998	12/01/1998	2.9	2.9	57.8	168.9	B	W	d
NM10	12/01/1998	12/08/1998	1.5	1.5	37.4	57.0	A	W	
NM10	12/08/1998	12/15/1998	0.0	0.0	--	0.0	B	D	h
NM10	12/15/1998	12/22/1998	2.5	2.5	36.9	93.7	A	W	
NM10	12/22/1998	12/29/1998	0.0	0.0	--	0.0	A	D	
NM10	12/29/1998	01/05/1999	0.0	0.0	--	0.0	B	D	h
NM10	05/04/1999	05/11/1999	0.0	0.0	--	0.0	B	D	d
NM10	05/11/1999	05/18/1999	0.0	0.0	--	0.0	B	D	hd
NM10	05/18/1999	05/25/1999	5.6	5.6	25.7	143.4	B	W	d
NM10	05/25/1999	06/01/1999	0.0	0.0	--	0.0	B	T	hd
NM10	06/01/1999	06/08/1999	0.0	0.0	--	0.0	B	D	d
NM10	06/08/1999	06/15/1999	0.0	0.0	--	0.0	B	D	h
NM10	06/15/1999	06/22/1999	5.6	5.6	15.3	85.3	B	W	hd
NM10	06/22/1999	06/29/1999	1.3	1.3	136.2	172.9	A	W	
NM10	06/29/1999	07/06/1999	12.2	12.2	29.1	355.3	B	W	d
NM10	07/06/1999	07/13/1999	0.0	0.0	--	0.0	A	T	
NM10	07/13/1999	07/20/1999	63.5	--	18.9	1201.1	B	W	dm
NM10	07/20/1999	07/27/1999	3.1	--	47.1	148.1	B	W	dm
NM10	07/27/1999	08/02/1999	11.0	11.0	30.2	331.3	B	W	hd
NM10	08/03/1999	08/10/1999	75.5	75.5	14.9	1126.7	B	W	d
NM10	08/10/1999	08/17/1999	0.5	--	93.6	48.8	B	T	id
NM10	08/17/1999	08/24/1999	3.6	3.6	110.4	399.6	B	W	d
NM10	08/24/1999	08/31/1999	4.9	--	36.7	180.0	B	W	m
NM10	08/31/1999	09/07/1999	10.2	10.2	19.8	201.5	B	W	d

NM10	09/07/1999	09/14/1999	11.7	11.7	26.3	306.9	B	W	d
NM10	09/14/1999	09/21/1999	50.8	50.8	24.1	1225.9	B	W	d
NM10	09/21/1999	09/28/1999	0.0	0.0	--	0.0	B	T	hd
NM10	09/28/1999	10/05/1999	0.0	0.0	--	0.0	A	D	
NM10	10/05/1999	10/12/1999	0.0	0.0	--	0.0	A	D	
NM10	10/12/1999	10/19/1999	14.0	14.0	13.8	193.3	A	W	
NM10	10/19/1999	10/26/1999	0.0	0.0	--	0.0	B	D	h
NM10	10/26/1999	11/02/1999	0.0	0.0	--	0.0	B	D	dm
NM10	11/02/1999	11/09/1999	0.0	0.0	--	0.0	A	D	
NM10	11/09/1999	11/16/1999	0.0	0.0	--	0.0	B	D	dm
NM10	11/16/1999	11/23/1999	0.0	0.0	--	0.0	B	D	m
NM10	11/23/1999	11/30/1999	0.0	0.0	--	0.0	B	D	m
NM10	11/30/1999	12/07/1999	0.0	0.0	--	0.0	B	D	h
NM10	12/07/1999	12/14/1999	0.0	0.0	--	0.0	B	D	d
NM10	12/14/1999	12/21/1999	0.0	0.0	--	0.0	B	D	d
NM10	12/21/1999	12/28/1999	8.6	8.6	7.3	63.1	B	W	d
NM10	12/28/1999	01/04/2000	0.0	0.0	--	0.0	B	D	d
NM10	01/04/2000	01/11/2000	0.0	0.0	--	0.0	A	D	
NM10	01/11/2000	01/18/2000	0.0	0.0	--	0.0	B	D	d
NM10	01/18/2000	01/25/2000	0.0	0.0	--	0.0	A	D	
NM10	01/25/2000	02/01/2000	0.0	0.0	--	0.0	B	D	d
NM10	02/01/2000	02/08/2000	0.0	0.0	--	0.0	B	D	d
NM10	02/08/2000	02/15/2000	0.0	0.0	--	0.0	B	T	d
NM10	02/15/2000	02/22/2000	0.0	0.0	--	0.0	B	D	d
NM10	02/22/2000	02/29/2000	0.0	0.0	--	0.0	B	D	d
NM10	02/29/2000	03/08/2000	2.0	2.0	40.8	82.9	B	W	d

NM10	03/07/2000	03/14/2000	0.0	0.0	--	0.0	A	D	
NM10	03/14/2000	03/21/2000	3.4	3.4	37.0	124.5	B	W	d
NM10	03/21/2000	03/28/2000	41.3	41.3	18.5	765.0	B	W	h
NM10	03/28/2000	04/04/2000	3.8	3.8	23.6	89.8	B	W	d
NM10	04/04/2000	04/11/2000	0.0	0.0	--	0.0	B	T	d
NM10	04/11/2000	04/18/2000	0.0	0.0	--	0.0	B	D	d
NM10	04/18/2000	04/25/2000	0.0	0.0	--	0.0	B	D	z
NM10	04/25/2000	05/02/2000	0.0	0.0	--	0.0	B	D	d
NM10	05/02/2000	05/09/2000	0.0	0.0	--	0.0	B	D	h
NM10	05/09/2000	05/16/2000	0.0	0.0	--	0.0	B	D	d
NM10	05/16/2000	05/23/2000	0.0	0.0	--	0.0	A	D	
NM10	05/22/2000	05/30/2000	0.0	0.0	--	0.0	B	D	d
NM10	05/30/2000	06/06/2000	12.7	12.7	17.1	217.4	B	W	d
NM10	06/06/2000	06/13/2000	0.0	0.0	--	0.0	A	T	
NM10	06/13/2000	06/20/2000	5.8	5.8	46.1	269.1	A	W	
NM10	06/20/2000	06/27/2000	33.0	33.0	--	--	C	W	fz
NM10	06/27/2000	07/04/2000	12.2	12.2	8.7	106.4	A	W	
NM10	07/04/2000	07/11/2000	0.0	0.0	--	0.0	A	D	
NM10	07/11/2000	07/18/2000	0.6	0.6	69.3	44.0	B	T	i
NM10	07/18/2000	07/25/2000	2.2	2.2	69.7	150.4	B	W	h
NM10	07/25/2000	08/01/2000	22.1	22.1	35.4	782.3	B	W	dh
NM10	08/01/2000	08/08/2000	3.2	3.2	25.8	83.4	A	W	
NM10	08/08/2000	08/15/2000	0.0	0.0	--	0.0	A	T	
NM10	08/15/2000	08/22/2000	9.1	9.1	6.6	60.2	A	W	
NM10	08/22/2000	08/29/2000	8.9	8.9	28.9	257.0	B	W	dh
NM10	08/29/2000	09/05/2000	7.9	7.9	38.7	305.1	B	W	d

NM10	09/05/2000	09/12/2000	7.6	7.6	35.5	270.3	B	W	d
NM10	09/12/2000	09/19/2000	0.0	0.0	--	0.0	A	D	
NM10	09/19/2000	09/26/2000	0.0	0.0	--	0.0	A	D	
NM10	09/26/2000	10/03/2000	0.0	0.0	--	0.0	A	D	
NM10	10/03/2000	10/10/2000	4.8	4.8	3.3	16.1	B	W	d
NM10	10/10/2000	10/17/2000	33.5	33.5	6.0	202.3	A	W	
NM10	10/17/2000	10/24/2000	16.2	16.2	19.0	308.4	B	W	d
NM10	10/24/2000	10/31/2000	11.7	11.7	48.1	562.5	A	W	
NM10	10/31/2000	11/07/2000	44.6	44.6	4.6	206.4	B	W	dh
NM10	11/07/2000	11/14/2000	0.0	0.0	--	0.0	A	T	
NM10	11/14/2000	11/21/2000	0.0	0.0	--	0.0	A	D	
NM10	11/21/2000	11/28/2000	0.0	0.0	--	0.0	A	D	
NM10	11/28/2000	12/05/2000	0.0	0.0	--	0.0	A	D	
NM10	12/05/2000	12/12/2000	0.0	0.0	--	0.0	A	D	
NM10	12/12/2000	12/19/2000	1.0	1.0	21.5	21.8	B	W	di
NM10	12/19/2000	12/26/2000	1.0	1.0	--	--	C	W	vd

MDN DATA FIELDS

SITE CODE: 2-letter state or province designator plus SAROAD county code (US) or sequential number (Canada).

START DATE: (mm/dd/yyyy)

END DATE: (mm/dd/yyyy)

SUBPPT: Rain Gauge (RG) precipitation amount in mm if available, otherwise precipitation amount in mm is calculated from the net rain volume caught in the sample bottle.

PPT: Precipitation amount in mm from the rain gauge (RG), if blank, no RG data.

HG CONC: total mercury concentration reported by the lab in ng/L.

DEPOSITION: product of SUBPPT and HG CONC, units are ng/m2.

Quality rating (QR) CODE: A = fully qualified with no problems

B = valid data with minor problems, used for summary statistics

C = invalid data, not used for summary statistics

BLANK= no sample submitted for this time period

SAMPLE TYPE:

W = wet sample, measurable precipitation (> or = 0.03 in.) on the rain gauge (RG) or net bottle catch (BC) = or > 10.0 mL if RG data are missing. Concentration and deposition data are reported unless the QR Code = C.

D = dry sample, no indication of sampler openings on the RG or net BC < 1.5 mL if RG event recorder data are missing. No concentration data are reported. Ppt, subppt, and deposition are set to zero.

T = trace sample, RG shows openings or a trace precipitation amount (<0.03 inches). If the RG data are missing, a net BC between 1.5 and 10.0 mL (inclusive) will be coded as a T sample type. Concentration data may or may not be reported depending whether the BC is 1.5 mL or higher. If BC = 1.5 mL or higher, then ppt is blank , Subppt = BC, and deposition is based on the BC. If BC < 1.5 mL, then ppt subppt and deposition are all set to zero.

Q = sampler was used for a Quality assurance (QA) sample, no ambient sample submitted. No concentration values are reported (QA values will be published in the QA report). Deposition is only reported where the value is zero (D or T samples with no measurable precipitation).

NOTES:	QR CODE	Valid for Summaries (Y/N)
s = short sample time (< 6 days)	B	Y
e = extended sample time (> 8 days)	B	Y
d = debris present (previously x)	B	Y
m = missing information (previously, r, no event recorder, and p, missing RG precipitation record)	B	Y
z = site operations problems	B	Y
h = sample handling problems	B	Y
(z and h include equipment and handling problems that don't seriously compromise the sample)		
i = low volume sample (1.49mL < net BC < 10.00mL) (Hg conc. data are reported but they are less certain than those for samples with a net BC of at least 10 mL)	B	Y
b = bulk sample (wet side open the whole time)	C	N
v = RG indicates precipitation occurred but BC < 1 mL or < 10% of indicated RG precipitation amount.	C	N
u = undefined sample (wet side open during dry periods)	C	N
f = serious problems in field operations that compromise sample integrity.	C	N
l = laboratory error	C	N
c = sample compromised due to contamination	C	N
p = no ppt data from either RG or BC	C	N
n = no sample submitted	--	N

Calculation of Deposition:

1. If a valid precipitation amount can be read from the rain gauge chart (RG >= 0.03 inches), the sample type is set to "W" (wet); and the value from the RG chart is used to calculate deposition (RG amount in mm times Hg concentration in ng/mL). If the RG chart event recorder shows no sampler openings, sample type is set to "D" (dry) and precipitation amount and deposition are set to 0.

2. If the precipitation amount from the RG chart is not available, the net bottle catch (BC) will be used to calculate deposition as long as BC > 1.49mL. If the BC < 1.5 mL, the precipitation amount will be set to 0 and the sample type set to "D" (dry). If the BC is between 1.5 and 10.0 mL, the sample type will be set to "T" (trace) and the BC used to calculate deposition. These samples are also coded with an "i" in the Notes field and downgraded to a "B" Quality Rating to indicate uncertainty due to low volume. If the BC is > 10 mL, the sample type will be set to "W" (wet) and the BC will be used to calculate deposition.

3. If the RG indicates sampler openings, but the precipitation amount can't be determined accurately from the RG chart (RG < 0.03 inches) the sample type will be coded "T" (trace) and the BC will be used to calculate deposition as long as the BC is >= 1.5mL. If the BC is < 10mL,

samples will be coded for low volume as in 2. If the BC is < 1.5mL, no concentration will be reported and the ppt, subppt, and deposition will be set to 0.

4. In cases where there is a valid precipitation amount from either RG or BC but invalid or missing concentration data, seasonal or annual summary deposition values will be calculated using the site-specific, seasonal, volume-weighted average concentration. This deposition value will not be displayed for individual weeks in the WEB database, but it will be used only for the calculation seasonal and annual average concentrations and deposition amounts on maps and other summary products.