

CALCULATION OF THE 99TH UPPER PERCENTILE VALUE:

PARAMETER:	1,4-dioxane				
TOTAL NO. VALUES:	879				
DETECTED:	491				
NON-DETECTED:	388				
d (% data < detect)	0.4414107				
m (mean of data > detect)	5.1598778				
std dev	5.9073976				
n	1	30			
d^n	0.4414107	2.215E-11			
p	0.9820978	0.99			
std normal dist fn (Z)	2.8364871	3.0348543			
Z_p	2.0995829	2.3267853			
1+(s/m)^2	2.310731	2.310731			
(sigma_d)^2	0.8375639	0.8375639			
mu_d	1.2221309	1.2221309			
(sigma_dn)^2	0.8375639	0.0994448			
mu_dn	1.2221309	1.0088497			
P_95 exponent	3.1436381	1.7425986			
P_95 (PEQ)	23.188075	5.7121676			
	Max	Average			

NOTES: For purposes of this summary, ^ represents an exponent or superscript while _ represents a subscript.
 Variables are defined in Part 8, Rule 1211(3)(a).

Effluent Data Summary
(all values in µg/L)

DATA ENTRY

Parameter: 1,4-dioxane Date

No. Nondetect	388
Data	22.5 1/2/01
	8 1/3/01
	3 1/4/01
	2 1/5/01
	6 1/6/01
	3 1/8/01
	3 1/9/01
	2 1/10/01
	1 1/15/01
	2 1/16/01
	2 1/17/01
	5 1/18/01
	2 1/19/01
	8 1/24/01
	10 1/25/01
	17 1/26/01
	7 1/27/01
	6 1/30/01
	6 1/31/01
	9 2/1/01
	10 2/2/01
	6 2/5/01
	19 2/6/01
	5 2/7/01
	3 2/8/01
	2 2/9/01
	2 2/12/01
	2 2/13/01
	16 2/14/01
	6 2/15/01
	7 2/16/01
	4 2/20/01
	6 2/21/01
	10 2/22/01
	10 2/23/01

Effluent Data Summary
(all values in µg/L)

Parameter:	1,4-dioxane	Date
	16	2/26/01
	11	2/27/01
	7	2/28/01
	4	3/1/01
	2	3/2/01
	1	3/12/01
	5	3/13/01
	8	3/14/01
	2	3/15/01
	4	3/16/01
	2	3/19/01
	3	3/20/01
	6	3/21/01
	3	3/22/01
	5	3/23/01
	2	3/26/01
	5	3/27/01
	3	3/28/01
	2	3/29/01
	3	3/30/01
	4	4/2/01
	6	4/3/01
	2	4/4/01
	2	4/5/01
	6	4/6/01
	2	4/9/01
	3	4/10/01
	5	4/11/01
	4	4/12/01
	10	4/13/01
	4	4/18/01
	3	4/19/01
	3	4/24/01
	7	4/25/01
	4	4/26/01
	1	4/27/01
	2	5/1/01
	4	5/4/01
	5	5/11/01

Effluent Data Summary
(all values in µg/L)

Parameter:	1,4-dioxane	Date
	2	5/15/01
	3	5/16/01
	6	5/17/01
	9	5/18/01
	2	5/21/01
	1	5/22/01
	3	5/23/01
	6	5/24/01
	4	5/25/01
	2	5/29/01
	4	5/30/01
	5	5/31/01
	2	6/1/01
	1	6/5/01
	2	6/6/01
	15	6/7/01
	5	6/8/01
	2	6/13/01
	3	6/14/01
	8	6/15/01
	0.5	6/18/01
	1	6/19/01
	8	6/21/01
	8	6/22/01
	18	6/23/01
	2	6/25/01
	2	6/26/01
	3	6/27/01
	4	6/28/01
	3	6/29/01
	1	7/3/01
	2	7/5/01
	1	7/9/01
	4	7/10/01
	1	7/11/01
	6	7/12/01
	2	7/13/01
	2	7/16/01
	2	7/17/01

Effluent Data Summary
(all values in µg/L)

Parameter:	1,4-dioxane	Date
	2	7/18/01
	2	7/19/01
	6	7/20/01
	4	7/23/01
	9	7/24/01
	5	7/25/01
	5	7/26/01
	9	7/27/01
	3	7/30/01
	15	7/31/01
	8	8/1/01
	8	8/2/01
	4	8/3/01
	2	8/6/01
	3	8/7/01
	2	8/8/01
	7	8/9/01
	14	8/10/01
	2	8/13/01
	3	8/14/01
	4	8/15/01
	7	8/16/01
	4	8/17/01
	7	8/20/01
	8	8/21/01
	7	8/22/01
	11	8/23/01
	9	8/24/01
	19	8/27/01
	16	8/28/01
	14	8/29/01
	12	8/30/01
	2	8/31/01
	1	9/2/01
	1	9/5/01
	13	9/6/01
	11	9/7/01
	4	9/10/01
	16	9/12/01

Effluent Data Summary
(all values in µg/L)

Parameter:	1,4-dioxane	Date
	10	9/13/01
	9	9/14/01
	17	9/17/01
	21.5	9/18/01
	2	9/19/01
	1	9/20/01
	1	9/21/01
	4	9/25/01
	5	9/26/01
	1	10/3/01
	1	10/4/01
	1	10/5/01
	4	10/8/01
	2	10/9/01
	6	10/10/01
	4	10/11/01
	2	10/12/01
	8	10/15/01
	3	10/16/01
	2	10/17/01
	1	10/18/01
	2	10/19/01
	3	10/22/01
	4	10/23/01
	12	10/24/01
	2	10/25/01
	5	10/26/01
	7	10/29/01
	3	10/30/01
	12	10/31/01
	4	11/1/01
	3	11/2/01
	3	11/5/01
	7	11/6/01
	3	11/7/01
	3	11/8/01
	11	11/9/01
	5	11/12/01
	12	11/13/01

Effluent Data Summary
(all values in µg/L)

Parameter:	1,4-dioxane	Date
	8	11/14/01
	30	11/15/01
	3	11/16/01
	4	11/19/01
	2	11/20/01
	1	11/21/01
	3	11/28/01
	7	11/29/01
	2	11/30/01
	2	12/3/01
	5	12/4/01
	2	12/5/01
	2	12/6/01
	1	12/10/01
	2	12/11/01
	2	12/12/01
	3	12/13/01
	3	12/14/01
	2	12/17/01
	9	12/18/01
	4	12/19/01
	9	12/20/01
	5	12/21/01
	2	12/24/01
	2	12/25/01
	2	12/26/01
	9	12/27/01
	3	12/28/01
	4	12/31/01
	14	1/2/02
	5	1/3/02
	4	1/4/02
	2	1/5/02
	2	1/7/02
	8	1/8/02
	7	1/9/02
	7	1/10/02
	3	1/11/02
	3	1/14/02

Effluent Data Summary
(all values in µg/L)

Parameter:	1,4-dioxane	Date
	3	1/15/02
	5	1/16/02
	2	1/17/02
	3	1/18/02
	8	1/21/02
	16	1/22/02
	16	1/23/02
	6	1/24/02
	10	1/25/02
	6	1/28/02
	5	1/29/02
	5	1/30/02
	2	1/31/02
	2	2/1/02
	5	2/4/02
	7	2/6/02
	6	2/7/02
	3	2/8/02
	5	2/11/02
	14	2/12/02
	8	2/13/02
	7	2/14/02
	5	2/15/02
	1	2/18/02
	2	2/19/02
	7	2/20/02
	5	2/21/02
	2	2/22/02
	4	2/25/02
	3	2/26/02
	4	2/27/02
	4	2/28/02
	5	3/1/02
	4	3/4/02
	2	3/5/02
	1	3/11/02
	1	3/12/02
	4	3/13/02
	1	3/14/02

Effluent Data Summary
(all values in µg/L)

Parameter:	1,4-dioxane	Date
	2	3/15/02
	2	3/18/02
	4	3/19/02
	5	3/20/02
	8	3/21/02
	2	3/22/02
	1	3/25/02
	2	3/26/02
	2	3/27/02
	2	3/28/02
	1	3/29/02
	9	4/1/02
	3	4/2/02
	2	4/3/02
	5	4/4/02
	4	4/5/02
	3	4/8/02
	3	4/9/02
	2	4/10/02
	2	4/11/02
	19.5	4/12/02
	2	4/15/02
	4	4/16/02
	4	4/17/02
	2	4/18/02
	2	4/19/02
	2	4/22/02
	17	4/23/02
	3	4/24/02
	2	4/25/02
	8.5	4/26/02
	2	4/29/02
	26	4/30/02
	7	5/1/02
	1	5/2/02
	2	5/3/02
	1	5/6/02
	3	5/7/02
	2	5/8/02

Effluent Data Summary
(all values in µg/L)

Parameter:	1,4-dioxane	Date
	3	5/9/02
	2	5/10/02
	2	5/14/02
	14	5/15/02
	2	5/16/02
	2	5/17/02
	3	5/20/02
	3	5/21/02
	6	5/22/02
	10	5/23/02
	18	5/24/02
	3	6/7/02
	4	6/20/02
	1	6/21/02
	11	6/24/02
	1	6/25/02
	8	6/26/02
	1	6/27/02
	2	6/28/02
	10	7/1/02
	10	7/2/02
	7	7/3/02
	2	7/4/02
	3	7/5/02
	3	7/8/02
	1	7/9/02
	1	7/10/02
	37	7/17/02
	22	7/18/02
	13	7/19/02
	9	7/22/02
	6	7/23/02
	4	7/24/02
	4	7/25/02
	7	7/26/02
	2	7/30/02
	3	7/31/02
	3	8/1/02
	2	8/2/02

Effluent Data Summary
(all values in µg/L)

Parameter:	1,4-dioxane	Date
	1	8/6/02
	3	8/7/02
	8	8/8/02
	1	8/12/02
	4	8/21/02
	3	8/27/02
	2	8/29/02
	2	8/30/02
	3	9/18/02
	2	9/19/02
	2	9/20/02
	2	9/23/02
	2	9/24/02
	6	9/25/02
	3	9/26/02
	4	9/27/02
	2	9/30/02
		10/1/02
	2	10/2/02
	6	10/3/02
	9	10/4/02
	9	10/7/02
	4	10/8/02
	5	10/9/02
	2	10/10/02
	1	11/22/02
	1	11/27/02
	1	12/2/02
	4	12/3/02
	1	12/4/02
	1	12/11/02
	1	12/12/02
	2	12/13/02
	7	12/16/02
	25	12/17/02
	3	12/18/02
	7	12/19/02
	3	12/20/02
	1	12/23/02

Effluent Data Summary
(all values in µg/L)

Parameter:	1,4-dioxane	Date
	3	12/24/02
	3	12/26/02
	2	12/27/02
	3	12/30/02
	3	12/31/02
	5	1/2/03
	7	1/3/03
	11	1/6/03
	10	1/7/03
	4	1/8/03
	3	1/9/03
	5	1/10/03
	4	1/13/03
	4	1/14/03
	3	1/15/03
	4	1/16/03
	7	1/17/03
	2	1/20/03
	6	1/21/03
	2	1/22/03
	2	1/23/03
	4	1/24/03
	2	1/29/03
	1	2/4/03
	1	2/5/03
	2	2/6/03
	3	2/18/03
	2	2/21/03
	2	2/26/03
	9	2/27/03
	1	2/28/03
	2	3/3/03
	3	3/4/03
	9	3/5/03
	20	3/7/03
	1	3/10/03
	5	3/11/03
	8	3/12/03
	5	3/13/03

Effluent Data Summary
(all values in µg/L)

Parameter:	1,4-dioxane	Date
	8	3/14/03
	3	3/17/03
	3	3/18/03
	5	3/19/03
	6	3/20/03
	5	3/21/03
	6	3/24/03
	6	3/25/03
	6	3/26/03
	6	3/27/03
	11	3/28/03
	7	3/31/03
	9	4/1/03
	8	4/2/03
	10	4/3/03
	9	4/4/03
	4	4/7/03
	4	4/8/03
	4	4/9/03
	6	4/10/03
	4	4/11/03
	5	4/15/03
	1	4/17/03
	2	4/18/03
	31	6/4/03
	2	6/6/03
	2	6/10/03
	1	6/11/03
	2	6/12/03
	3	6/24/03
	2	7/2/03
	83	7/8/03
	7	7/9/03
	19	7/10/03
	3	7/11/03
	4	7/17/03
	1	7/18/03
	2	7/25/03
	2	7/30/03

Effluent Data Summary
(all values in µg/L)

Parameter:	1,4-dioxane	Date
	2	8/1/03
	2	8/4/03
	2	8/8/03
	1	8/14/03
	2	8/16/03
	5	8/26/03
	1	8/27/03
	1	8/28/03
	7	8/29/03
	1	9/3/03
	1	9/4/03
	1	9/15/03
	2	9/16/03
	2	9/17/03
	2	9/18/03
	2	9/19/03
	2	9/22/03
	2	9/23/03
	8	9/24/03
	1	9/25/03
	1	10/2/03
	1	10/10/03
	2	10/13/03
	2	10/14/03
	3	10/16/03
	3	10/17/03
	2	10/20/03
	2	10/21/03
	1	10/22/03
	1	10/23/03
	2	10/30/03
	5	11/3/03
	2	11/10/03
	1	11/12/03
	2	11/13/03
	1	11/17/03
	1	11/18/03
	1	11/19/03
	1	11/20/03

Effluent Data Summary
(all values in µg/L)

Parameter:	1,4-dioxane	Date
	1	11/21/03
	2	11/24/03
	2	11/25/03
	8	11/26/03
	2	12/2/03
	1	12/5/03
	1	12/11/03
	1	12/17/03
	4	12/23/03
	2	1/6/04
	2	1/7/04
	1	1/12/04
	4	1/15/04
	2	1/20/04
	1	1/21/04
	1	1/22/04
	1	1/26/04
	1	1/28/04
	2	1/29/04
	2	1/30/04
	1	2/2/04
	3	2/6/04
	3	2/9/04
	4	2/10/04
	5	2/11/04
	6	2/12/04
	4	2/13/04
	4	2/16/04
	2	2/17/04
	2	2/18/04
	1	2/19/04
	1	2/20/04
	1	2/23/04
	2	2/24/04
	2	2/25/04
	1	3/2/04
	2	3/8/04
	1	3/12/04
	2	3/31/04

Effluent Data Summary
(all values in µg/L)

Parameter:	1,4-dioxane	Date
	1	4/8/04
	2	4/30/04
	1	5/7/04
	5	5/12/04
	1	5/20/04
	1	6/18/04
	1	6/23/04
	2	6/25/04
	1	6/28/04
	1	6/29/04
	1	7/5/04
	1	7/7/04
	2	7/8/04
	2	7/12/04
	4	7/14/04
	1	7/15/04
	2	7/22/04
	2	7/23/04
	2	7/27/04
	3	7/29/04
	3	7/30/04
	7	8/3/04
	2	8/4/04
	2	8/5/04
	2	8/6/04
	2	8/9/04
	1	8/10/04
	3	8/11/04
	2	8/12/04
	1	8/13/04
	2	8/18/04
	1	8/23/04
	1	8/25/04
	3	8/26/04
	1	8/27/04
	3	8/31/04
	2	9/1/2004
	3	9/2/2004
	1	9/3/2004

Effluent Data Summary
(all values in µg/L)

Parameter:	1,4-dioxane	Date
	2	9/7/2004
	2	9/13/2004
	2	9/17/2004
	2	9/20/2004
	1	9/21/2004
	1	9/22/2004
	1	9/23/2004
	1	9/24/2004
	1	9/27/2004
	1	9/28/2004
	4	9/29/2004
	10	10/5/2004
	10	10/6/2004
	1	10/8/2004
	4	10/14/2004
	3	10/15/2004
	3	10/19/2004
	5	10/20/2004
	1	10/22/2004
	5	10/28/2004
	2	11/1/2004
	10.5	11/2/2004
	2	11/3/2004
	4	11/10/2004
	5	11/11/2004
	9	11/12/2004
	9	11/15/2004
	1	11/16/2004
	1	11/19/2004
	1	11/24/2004
	1	11/26/2004
	1	11/29/2004
	1	11/30/2004
	4	12/1/2004
	2	12/2/2004
	3	12/3/2004
	2	12/6/2004
	1	12/7/2004
	1	12/8/2004

Effluent Data Summary
(all values in µg/L)

Parameter:	1,4-dioxane	Date
	1	12/10/2004
	1	12/13/2004
	2	12/14/2004
	3	12/15/2004
	2	12/16/2004
	16	12/17/2004
	3	12/20/2004
	2	12/21/2004
	9	12/22/2004
	3	12/23/2004
	2	12/24/2004
	2	12/27/2004
	10	12/28/2004
	3	12/29/2004
	1	12/30/2004
	2	12/31/2004