Groundwater Data for Operable Unit 2 (OU2)
Baseline Human Health Risk Assessment
Omega Chemical Superfund Site

Location	Sample Name	Date Sampled	Methyl tert-butyl ether (MTBE)	Methylcyclohexane	Methylene chloride	Naphthalene	n-Butylbenzene	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)	Trichlorofluoromethane (Freon 11)
		Region 9 PRG:	*11 ca*	*5200 nc*	*4.3 ca*	*6.2 nc/ Cal EPA 0.093 ca*	*240 nc*	*240 nc*		*240 nc*	*1600 nc*	*240 nc*	*0.1 ca*	*1.6 ca*	*720 nc*	*120 nc*	*0.4 ca*	*0.028 ca/ CalEPA1.4 ca*	*1300 nc*
		EPA MCL:			*5*						*100*		*5*		*1000*	*100*		*5*	
		CalDPH MCL/NL/AL:	*13*		*5*	*17 NL*	*260 NL*	*260 NL*		*260 NL*	*100*	*260 NL*	*5*		*150*	*10*		*5*	*150*
MW2	OC2-MW2A-W-0-4	02-Mar-04	16 J	<0.5 J	32 J	<5.00	--	--	--	--	<0.5 J	--	770 J	--	<0.5 J	1.7 J	<0.5 J	400 J	300 J
	OC2-MW2A-W-0-40	22-Jun-04	15	<2.50	<2.5 J	<5.00	--	--	--	--	<2.50	--	290	--	2.5 J	<2.50	<2.50	100	130
	OC2-MW2A-W-0-64	14-Sep-04	5.8	<2.50	<2.5 J	<5.00	--	--	--	--	<2.50	--	480	--	<2.50	<2.50	<2.50	270	320
	OC2-MW2A-W-0-106	08-Dec-04	2.1	<2.00	<2.00	<5.00	--	--	--	--	<2.00	--	320	--	<2.00	<2.00	<2.00	280	210
	OC2-MW2-W-0-126	02-Mar-05	<21 J	<21.0	<21 J	--	--	--	--	--	<21.0	--	790	--	<21.0	<21.0	<21.0	130	250
	OC2-MW2-W-0-149	02-Sep-05	2.1	<0.50	0.53 J	--	--	--	--	--	<0.50	--	500	--	<0.50	1.4	<0.50	80	140
	OC2-MW2-W-0-174	08-Mar-06	2.2	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1,700	--	<0.50	3.1	<0.50	220	250
	OC2-MW2-W-0-251	07-Sep-06	1.6 J	--	0.3 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	2,200	--	<0.50	3.7	<0.50	210	260
MW4A	OC2-MW4A-W-0-5	03-Mar-04	13	<0.50	51 J	<5.00	--	--	--	--	<0.50	--	670	--	<0.50	0.53	<0.50	310	330
	OC2-MW4A-W-1-6	03-Mar-04	16	<0.50	<50 J	<5.00	--	--	--	--	<0.50	--	680	--	<0.50	0.46 J	<0.50	290	280
	OC2-MW4A-W-0-36	21-Jun-04	12	<5.00	<5 J	<5.00	--	--	--	--	<5.00	--	370	--	<5.00	<5.00	<5.00	130	120
	OC2-MW4A-W-1-37	21-Jun-04	13	<5.00	<5.00	<5.00	--	--	--	--	<5.00	--	450	--	<5.00	<5.00	<5.00	140	200
	OC2-MW4A-W-0-58	13-Sep-04	7.2	<5.00	<5 J	<5.00	--	--	--	--	<5.00	--	600	--	<5.00	<5.00	<5.00	140 J	160 J
	OC2-MW4A-W-0-92	06-Dec-04	4.5 J	<5.00	<5.00	<5.00	--	--	--	--	<5.00	--	330 J	--	<5.00	<5.00	<5.00	110	200
	OC2-MW4A-W-0-116	28-Feb-05	6.8	<0.50	<0.5 J	--	--	--	--	--	<0.50	--	400 J	--	<0.50	0.41 J	<0.50	130	190
	OC2-MW4A-W-1-112	28-Feb-05	6.1	<0.50	<0.5 J	--	--	--	--	--	<0.50	--	620	--	<0.50	0.28 J	<0.50	190	350
	OC2-MW4A-W-0-135	30-Aug-05	4.2	<0.50	<0.5 J	--	--	--	--	--	<0.50	--	460	--	<0.50	0.3 J	<0.50	180	190
	OC2-MW4A-W-0-163	07-Mar-06	4.8	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	520	--	<0.50	0.4 J	<0.50	180	230
	OC2-MW4A-W-5-217	29-Aug-06	2	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	670	--	<0.50	0.4 J	<0.50	310	310
MW4B	OC2-MW4B-W-0-7	03-Mar-04	34 J	<0.50	<0.50	<5.00	--	--	--	--	<0.50	--	980	--	<0.50	0.77	<0.50	260	520
	OC2-MW4B-W-0-38	21-Jun-04	11	<5.00	<25 J	<5.00	--	--	--	--	<5.00	--	340	--	<5.00	<5.00	<5.00	150	180
	OC2-MW4B-W-0-59	13-Sep-04	9.2 J	<5.00	<5 J	<5.00	--	--	--	--	<5.00	--	510	--	<5.00	<5.00	<5.00	110	200 J
	OC2-MW4B-W-1-60	13-Sep-04	6.6	<5.00	<5 J	<5.00	--	--	--	--	<5.00	--	490	--	<5.00	<5.00	<5.00	100	170
	OC2-MW4B-W-0-93	06-Dec-04	3.9 J	<5.00	<5.00	<5.00	--	--	--	--	<5.00	--	320 J	--	<5.00	<5.00	<5.00	80	150
	OC2-MW4B-W-1-94	06-Dec-04	3.6	<2.00	<2.00	<5.00	--	--	--	--	<2.00	--	340 J	--	<2.00	<2.00	<2.00	82	170
	OC2-MW4B-W-5-113	28-Feb-05	3.4	<0.50	<0.5 J	--	--	--	--	--	<0.50	--	210 J	--	<0.50	0.25 J	<0.50	60	80
	OC2-MW4B-W-0-134	30-Aug-05	2 J	<0.5 R	<0.5 J	--	--	--	--	--	<0.5 R	--	250 J	--	<0.5 R	<0.5 R	<0.5 R	72 J	96 J
	OC2-MW4B-W-0-164	07-Mar-06	1.4 J	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	160	--	<0.50	<0.50	<0.50	40	71
	OC2-MW4B-W-0-215	29-Aug-06	2.8	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	820	--	<0.50	0.5	<0.50	200	390
	OC2-MW4B-W-1-216	29-Aug-06	2.8	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	710	--	<0.50	0.5	<0.50	180	350
MW5	OC2-MW5A-W-0-9	03-Mar-04	16	<0.50	<0.50	<5.00	--	--	--	--	<0.50	--	1,200	--	<0.50	2.2	<0.50	550	430
	OC2-MW5A-W-0-41	22-Jun-04	10	<2.50	<2.5 J	<5.00	--	--	--	--	<2.50	--	340	--	<2.50	<2.50	<2.50	140	120
	OC2-MW5A-W-0-66	14-Sep-04	6.7	<5.00	<5 J	<5.00	--	--	--	--	<5.00	--	780	--	<5.00	<5.00	<5.00	320	220 J
	OC2-MW5A-W-0-97	06-Dec-04	5.7	<4.00	<4.00	<5.00	--	--	--	--	<4.00	--	270	--	<4.00	<4.00	<4.00	150	100
	OC2-MW5-W-0-117	28-Feb-05	8.9	<0.50	<0.5 J	--	--	--	--	--	<0.50	--	1,400	--	<0.50	2.1 J	<0.50	790	550
	OC2-MW5-W-5-139	30-Aug-05	1.8	<0.50	<0.5 J	--	--	--	--	--	<0.50	--	330	--	<0.50	1.1	<0.50	430	76
	OC2-MW5-W-0-167	07-Mar-06	1.9 J	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	620	--	<0.50	1.4	<0.50	810	190
	OC2-MW5-W-1-168	07-Mar-06	1.9 J	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	630	--	<0.50	1.4	<0.50	810	170
	OC2-MW5-W-0-218	29-Aug-06	<2.00	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1,200	--	<0.50	2.2	<0.50	480	200
MW14	OC2-MW14-W-0-206	07-Jul-06	<2.00	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	250	--	<0.50	0.3 J	<0.50	39 J	100
	OC2-MW14-W-0-263	11-Sep-06	<40.0	--	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	160	--	<10.0	<10.0	<10.0	30	140
MW15	OC2-MW15-W-0-198	15-Mar-06	5.6	--	<0.50	<0.5 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1,900	--	<0.50	2.5	<0.50	540	670
	OC2-MW15-W-1-199	15-Mar-06	6.1	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	840	--	<0.50	1.9	<0.50	260	340
	OC2-MW15-W-0-219	29-Aug-06	1.9 J	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1,300	--	<0.50	1.1	<0.50	270	540
MW23C	OC2-MW23C-W-0-195	14-Mar-06	1.9 J	--	<0.5 J	<0.5 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	540	--	<0.50	1.4	<0.50	530	190
	OC2-MW23C-W-0-261	11-Sep-06	1.1 J	--	0.3 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	500	--	<0.50	1.5	<0.50	610	250
	OC2-MW23C-W-1-262	11-Sep-06	<2.00	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	210	--	<0.50	0.9	<0.50	230	120
OW1A	OC1-OW1-W-0-3	24-Feb-04	<0.5	--	40	0.6 J	<0.5	0.7 J	0.7 J	<0.5	<0.5	<0.5	190,000 J	--	5.3	25	<0.2	3,000 J	57
	OC-GW-OW1-022404	24-Feb-04	0.33 J	--	53	<1.00	<1.00	0.63 J	0.52 J	0.26 J	<1.00	<1.00	150,000	--	11	21	<0.50	3,600	55
	OC2-OW1A-W-0-34	17-Jun-04	<1000	<1000	<1000 J	<5.00	--	--	--	--	<1000	--	41,000	--	310 J	<1000	<1000	2,100	<1000
	OC1-OW1-W-0-23	27-Aug-04	0.3 J	--	40	<0.50	<0.50	0.7	0.5	<0.50	<0.50	<0.50	210,000 J	--	9.5 J	24	<0.50	2,800 J	25
	OC-GW-OW1-082704	27-Aug-04	<400	--	<2000	<400	<400	<400	<400	<400	<400	<400	110,000	--	<400	<400	<200	2,300	<400
	OC-GW-OW1k-082704	27-Aug-04	<1.00	--	41	<1.00	<1.00	0.42 J	0.32 J	<1.00	<1.00	<1.00	150,000	--	9.6	15	<0.50	3,500	22
	OC2-OW1A-W-0-90	08-Dec-04	<1000	<1000	<1000	--	--	--	--	--	<1000	--	110,000	--	120 J	<1000	<1000	2,700	<1000
	OC-GW-OW1-022505	25-Feb-05	<1.00	--	42	<1.00	<1.00	0.56 J	0.29 J	0.29 J	<1.00	<1.00	170,000	--	12	13	<0.50	2,500	13
	OC1-OW1-W-0-47	24-Aug-05	<200	--	57	<100	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	120,000	--	<50.0	<50.0	<50.0	3,100	77
	OC-GW-OW1-082405	24-Aug-05	<5.00	--	48	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	19,000	--	12	22	<2.50	10,000	66
	OC-GW-OW1-02206	22-Feb-06	<200	--	<1000	<200	<200	<200	<200	<200	<200	<200	96,000	--	<200	<200	<100	2,800	<200
	OW-1	13-Mar-06	<630	--	<13000	<10	<630	<630	<630	<630	<630	<630	100,000	--	<630	<630	<630	2,200	<1300
	OW-GW-OW-1-082406	24-Aug-06	<1.00	--	34	0.45 J	<1.00	0.44 J	0.4 J	0.3 J	<1.00	<1.00	150,000	--	13	22	<0.50	2,600	59
OW2	OC1-OW2-W-0-1	24-Feb-04	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2,100	--	<0.5	1.3	<0.2	190	160
	OC1-OW2-W-5-2	24-Feb-04	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2,600	--	<0.5	1.3	<0.2	270 J	<220
	OC-GW-OW2-022404	24-Feb-04	<5.00	--	<25.0	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	2,500	--	<5.00	<5.00	<2.50	200	180
	OC2-OW2-W-0-32	17-Jun-04	<20.0	<20.0	<20.0	<5.00	--	--	--	--	<20.0	--	3,600	--	6.3 J	<20.0	<20.0	490	320
	OC-GW-OW2-082404	24-Aug-04	<10.0	--	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	2,800	--	<10.0	<10.0	<5.00	300	300
	OC2-OW2-W-0-89	02-Dec-04	<10.0	<10.0	<10 J	<5.00	--	--	--	--	<10.0	--	800	--	<10.0	<10.0	<10.0	210	98
	OC-GW-OW2-022405	24-Feb-05	<10.0	--	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	3,600	--	<10.0	<10.0	<5.00	300	300
	OC-GW-OW2-082405	24-Aug-05	<5.00	--	<25.0	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	2,300	--	<5.00	1.5 J	<2.50	280	240
	OC-GW-OW2-02206	22-Feb-06	<10.0	--	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	2,500	--	<10.0	3.6 J	<5.00	810	1,000
	OC-GW-OW-2-082206	22-Aug-06	<5.00	--	<25.0	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	1,200	--	<5.00	<5.00	<2.50	150	240
OW3	OC1-OW3-W-0-4	25-Feb-04	<10	--	<10	<10	<10	<10	<10	<10	<10	<10	3,500	--	<10	<10	<5	340	230
	OC-GW-OW3-022504	25-Feb-04	<10.0	--	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	2,800	--	<10.0	<10.0	<5.00	260	230
	OC2-OW3-W-0-30	17-Jun-04	<10.0	<10.0	<10.0	<5.00	--	--	--	--	<10.0	--	1,700	--	3.4 J	<10.0	<10.0	290	290
	OC2-OW3-W-1-31	17-Jun-04	<10.0	<10.0	<10.0	<5.00	--	--	--	--	<10.0	--	1,800	--	3.2 J	<10.0	<10.0	260	260
	OC-GW-OW3-082404	24-Aug-04	<5.00	--	12 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	2,200	--	<5.00	<5.00	<2.50	250	270
	OC2-OW3-W-0-85	01-Dec-04	<5.00	<5.00	<5 J	0.21 J	--	--	--	--	<5.00	--	850	--	<5.00	<5.00	<5.00	140	110
	OC-GW-OW3-022305	23-Feb-05	<1.00	--	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	2,600	--	<1.00	0.79 J	<0.50	200	180
	OC-GW-OW3-082405	24-Aug-05	<1.00	--	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	2,700	--	<1.00	0.85 J	<0.50	320	260
	OC1-OW3-W-0-60	21-Feb-06	<2.00	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	3,800 J	--	<0.50	1.2	<0.50	270	140
	OC-GW-OW3-02106	21-Feb-06	<5.00	--	<25.0	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	2,900	--	<5.00	<5.00	<2.50	280	160
	OW-GW-OW-3-082306	23-Aug-06	<1.00	--	0.89 J	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	3,000	--	<1.00	0.72 J	<0.50	260	140
OW4A	OC-GW-OW4A-022704	27-Feb-04	<1.00	--	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	12	--	<1.00	<1.00	<0.50	31	7
	OC2-MW4A-W-0-25	15-Jun-04	<2.50	<2.50	<2.50	--	--	--	--	--	<2.50	--	40	--	<2.50	<2.50	<2.50	12	53
	OC-GW-OW4a-082504	25-Aug-04	0.5 J	--	1.1 J	0.52 J	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	68	--	<1.00	<1.00	<0.50	12	100
	OC-GW-OW4ak-082504	25-Aug-04	0.39 J	--	1 J	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	75	--	<1.00	<1.00	<0.50	13	120
	OC2-OW4A-W-0-81	30-Nov-04	0.72	0.85	<0.50	1.9 J	--	--	--	--	<0.50	--	24	--	0.14 J	<0.50	<0.50	9.9	30
	OC-GW-OW4A-022505	25-Feb-05	0.79 J	--	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	49	--	<1.00	<1.00	<0.50	8.4	130
	OC-GW-OW4a-082505	25-Aug-05	0.87 J	--	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	180	--	<1.00	0.32 J	<0.50	19	200
	OC-GW-OW4A-02206	22-Feb-06	<1.00	--	<5.00	0.61 J	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	150	--	<1.00	<1.00	<0.50	17	41
	OW-GW-OW-4A-082306	23-Aug-06	<1.00	--	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	290	--	<1.00	0.45 J	<0.50	29	53
OW5	OC-GW-OW5-022404	24-Feb-04	<1.00	--	20	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	1,500	--	<1.00	2.9	<0.50	420	190
	OC2-OW5-W-5-26	16-Jun-04	<10.0	<10.0	<10.0	<5.00	--	--	--	--	<10.0	--	2,600 J	--	<10.0	7.3 J	<10.0	450	450 J
	OC-GW-OW5-082504	25-Aug-04	0.51 J	--	29	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	1,800	--	<1.00	3.2	<0.50	320	360
	OC2-OW5-W-0-86	02-Dec-04	0.78 J	<2.50	<2.50	<5.00	--	--	--	--	<2.50	--	240	--	<2.50	0.68 J	<2.50	100	76
	OC2-OW5-W-1-87	02-Dec-04	<2.50	<2.50	<2.50	<5.00	--	--	--	--	<2.50	--	270	--	<2.50	0.81 J	<2.5 J	88	93
	OC-GW-OW5-022405	24-Feb-05	0.68 J	--	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	230	--	<1.00	0.4 J	<0.50	110	64
	OC-GW-OW5-082305	22-Aug-05	<5.00	--	<25.0	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	2,400	--	<5.00	6	<2.50	430	400
	OC-GW-OW5-021706	17-Feb-06	0.33 J	--	21	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	2,000	--	<1.00	6.2	<0.50	500	300
	OW-GW-OW-5-082406	24-Aug-06	<1.00	--	0.98 J	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	2,300	--	<1.00	5.9	<0.50	580	190
OW8A	OC-GW-OW8-022404	24-Feb-04	<50.0	--	1,700	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	17,000	--	92	68	<25.0	1,000	730
	OC2-OW8-W-0-29	16-Jun-04	<50.0	<50.0	8,600	0.43 J	--	--	--	--	<50.0	--	30,000	--	280	130 J	<50.0	1,900	950
	OC-GW-OW8-082404	24-Aug-04	<100	--	6,300	<100	<100	<100	<100	<100	<100	<100	3,400	--	340	100	<50.0	1,600	800
	OC2-OW8-W-0-91	03-Dec-04	<100	<100	3,500	0.26 J	--	--	--	--	<100	--	34,000 J	--	72 J	98 J	<100	2,400	550
	OC1-OW8A-W-0-40	23-Feb-05	<2.50	--	11,000	<2.50	<2.50	3	<2.50	<2.50	<2.50	<2.50	50,000	--	910	85	<2.50	2,700	500
	OC-GW-OW8-022305	23-Feb-05	1.3	--	9,100	1.6	<1.00	5.7	0.86 J	0.39 J	<1.00	<1.00	68,000	650	1,300	91	<0.50	3,300	460 J
	OC-GW-OW8-K-022305	23-Feb-05	<200	--	9,200	<200	<200	<200	<200	<200	<200	<200	62,000	--	1,300	84 J	<100	3,400	480
	OC1-OW8A-W-0-48	24-Aug-05	<200	--	3,600	<100	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	95,000	--	540	100	<50.0	2,500	550
	OC-GW-OW8a-082405	24-Aug-05	0.97 J	--	5,000	1.2	<1.00	2.6	0.51 J	0.26 J	<1.00	<1.00	68,000	520	570	70	<0.50	3,000	680
	OC-GW-OW8a-K-082405	24-Aug-05	1.2	--	4,700	1.3	<1.00	3.1	0.65 J	0.36 J	<1.00	<1.00	72,000	560	510	81	<0.50	2,900	590
	OC1-OW8A-W-5-59	21-Feb-06	<2.00	--	7,800	0.5	<0.50	1.2 J	0.4 J	<0.50	<0.50	<0.50	48,000 J	--	320	92	<0.50	2,000	480
	OC-GW-OW8-022106	21-Feb-06	<100	--	7,400	<100	<100	<100	<100	<100	<100	<100	33,000	--	330	99 J	<50.0	2,000	570
	OC-GW-OW8K-022106	21-Feb-06	<50.0	--	6,000	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	35,000	--	260	85	<25.0	1,800	520
	OW-8	13-Mar-06	<200	--	4,600	<10	<200	<200	<200	<200	<200	<200	27,000	--	<200	<200	<200	1,200	410
	OW-GW-OW-8-082406	24-Aug-06	<1.00	--	2,700	<1.00	<1.00	0.35 J	<1.00	<1.00	<1.00	<1.00	17,000	--	55	42	<0.50	890	280
	OW-GW-OW-8K-082406	24-Aug-06	<1.00	--	2,000	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	16,000	--	46	39	<0.50	870	210

Groundwater Data for Operable Unit 2 (OU2)
Baseline Human Health Risk Assessment
Omega Chemical Superfund Site

Location	Sample Name	Date Sampled	Vinyl acetate	Vinyl chloride	Xylene, m + p	Xylene, o	Xylenes (total)	1,1-Biphenyl	1,2,4,5-Tetrachlorobenzene	2,2'-oxybis(1-chloropropane)	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol
		Region 9 PRG:	*410 nc*	*0.02 ca*	*210 nc*	*210 nc*	*210 nc*	*300 nc*	*11 nc*		*3600 nc*	*3.6 nc/ CalEPA 0.96 ca*	*110 nc*	*730 nc*	*73 nc*	*73 nc*	*36 nc*	*490 nc*	*30 nc*
		EPA MCL:		*2*	*10,000*	*10,000*	*10,000*												
		CalDPH MCL/NL/AL:		*0.5*	*1,750*	*1,750*	*1,750*												
MW2	OC2-MW2A-W-0-4	02-Mar-04	--	<0.50	--	--	<0.5 J	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC2-MW2A-W-0-40	22-Jun-04	--	<2.50	--	--	<2.50	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC2-MW2A-W-0-64	14-Sep-04	--	<2.50	--	--	<2.50	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20 J	<5.00	<5.00	<5.00	<5.00
	OC2-MW2A-W-0-106	08-Dec-04	--	<2.00	--	--	<2.00	<5.00	<5.00	<5 J	<20.0	<5.00	<5.00	<5.00	<20 J	<5.00	<5.00	<5.00	<5.00
	OC2-MW2-W-0-126	02-Mar-05	--	<21.0	--	--	<21.0	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW2-W-0-149	02-Sep-05	--	<0.50	--	--	<0.50	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW2-W-0-174	08-Mar-06	--	<0.50	<1.00	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW2-W-0-251	07-Sep-06	--	<0.50	<1.00	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
MW4A	OC2-MW4A-W-0-5	03-Mar-04	--	<0.50	--	--	<0.50	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC2-MW4A-W-1-6	03-Mar-04	--	<0.50	--	--	<0.50	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC2-MW4A-W-0-36	21-Jun-04	--	<5.00	--	--	<5.00	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC2-MW4A-W-1-37	21-Jun-04	--	<5.00	--	--	<5.00	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC2-MW4A-W-0-58	13-Sep-04	--	<5.00	--	--	<5.00	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20 J	<5.00	<5.00	<5.00	<5.00
	OC2-MW4A-W-0-92	06-Dec-04	--	<5.00	--	--	<5.00	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC2-MW4A-W-0-116	28-Feb-05	--	<0.50	--	--	<0.50	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-1-112	28-Feb-05	--	<0.50	--	--	<0.50	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-0-135	30-Aug-05	--	<0.50	--	--	<0.50	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-0-163	07-Mar-06	--	<0.50	<1.00	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-5-217	29-Aug-06	--	<0.50	<1.00	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
MW4B	OC2-MW4B-W-0-7	03-Mar-04	--	<0.50	--	--	<0.50	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC2-MW4B-W-0-38	21-Jun-04	--	<5.00	--	--	<5.00	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC2-MW4B-W-0-59	13-Sep-04	--	<5.00	--	--	<5.00	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20 J	<5.00	<5.00	<5.00	<5.00
	OC2-MW4B-W-1-60	13-Sep-04	--	<5.00	--	--	<5.00	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20 J	<5.00	<5.00	<5.00	<5.00
	OC2-MW4B-W-0-93	06-Dec-04	--	<5.00	--	--	<5.00	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC2-MW4B-W-1-94	06-Dec-04	--	<2.00	--	--	<2.00	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC2-MW4B-W-5-113	28-Feb-05	--	<0.50	--	--	<0.50	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4B-W-0-134	30-Aug-05	--	<0.5 R	--	--	<0.5 R	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4B-W-0-164	07-Mar-06	--	<0.50	<1.00	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4B-W-0-215	29-Aug-06	--	<0.50	<1.00	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4B-W-1-216	29-Aug-06	--	<0.50	<1.00	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
MW5	OC2-MW5A-W-0-9	03-Mar-04	--	<0.50	--	--	<0.50	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC2-MW5A-W-0-41	22-Jun-04	--	<2.50	--	--	<2.50	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC2-MW5A-W-0-66	14-Sep-04	--	<5.00	--	--	<5.00	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20 J	<5.00	<5.00	<5.00	<5.00
	OC2-MW5A-W-0-97	06-Dec-04	--	<4.00	--	--	<4.00	<5.00	<5.00	<5 J	<20.0	<5.00	<5.00	<5.00	<20 J	<5.00	<5.00	<5.00	<5.00
	OC2-MW5-W-0-117	28-Feb-05	--	<0.50	--	--	<0.50	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW5-W-5-139	30-Aug-05	--	<0.50	--	--	<0.50	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW5-W-0-167	07-Mar-06	--	<0.50	<1.00	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW5-W-1-168	07-Mar-06	--	<0.50	<1.00	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW5-W-0-218	29-Aug-06	--	<0.50	<1.00	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
MW14	OC2-MW14-W-0-206	07-Jul-06	--	<0.50	<1.00	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW14-W-0-263	11-Sep-06	--	<10.0	<20.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW15	OC2-MW15-W-0-198	15-Mar-06	--	<0.50	<1.00	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW15-W-1-199	15-Mar-06	--	<0.50	<1.00	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW15-W-0-219	29-Aug-06	--	<0.50	<1.00	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
MW23C	OC2-MW23C-W-0-195	14-Mar-06	--	<0.50	<1.00	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW23C-W-0-261	11-Sep-06	--	<0.50	<1.00	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW23C-W-1-262	11-Sep-06	--	<0.50	<1.00	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
OW1A	OC1-OW1-W-0-3	24-Feb-04	--	0.5	0.7 J	1.2 J	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-022404	24-Feb-04	--	0.64	0.71 J	1.1	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW1A-W-0-34	17-Jun-04	--	<1000	--	--	<1000	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC1-OW1-W-0-23	27-Aug-04	--	0.9	0.3 J	0.8 J	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-082704	27-Aug-04	--	<200	<400	<400	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1k-082704	27-Aug-04	--	<0.50	<1.00	0.55 J	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW1A-W-0-90	08-Dec-04	--	<1000	--	--	<1000	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-022505	25-Feb-05	--	<0.50	0.63 J	0.74 J	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW1-W-0-47	24-Aug-05	--	<50.0	<100	<50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-082405	24-Aug-05	--	<2.50	<5.00	<5.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-02206	22-Feb-06	--	<100	<200	<200	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-1	13-Mar-06	<13000	<630	<630	<630	--	--	--	--	<10.0	<10.0	<10.0	<10.0	<20.0	<10.0	<10.0	<10.0	<10.0
	OW-GW-OW-1-082406	24-Aug-06	--	<0.50	<1.00	0.88 J	--	--	--	--	--	--	--	--	--	--	--	--	--
OW2	OC1-OW2-W-0-1	24-Feb-04	--	<0.2	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW2-W-5-2	24-Feb-04	--	<0.2	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW2-022404	24-Feb-04	--	<2.50	<5.00	<5.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW2-W-0-32	17-Jun-04	--	<20.0	--	--	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC-GW-OW2-082404	24-Aug-04	--	<5.00	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW2-W-0-89	02-Dec-04	--	<10.0	--	--	<10.0	<5.00	<5.00	<5 J	<20.0	<5.00	<5.00	<5.00	<20 J	<5.00	<5.00	<5.00	<5.00
	OC-GW-OW2-022405	24-Feb-05	--	<5.00	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW2-082405	24-Aug-05	--	<2.50	<5.00	<5.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW2-02206	22-Feb-06	--	<5.00	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW-2-082206	22-Aug-06	--	<2.50	<5.00	<5.00	--	--	--	--	--	--	--	--	--	--	--	--	--
OW3	OC1-OW3-W-0-4	25-Feb-04	--	<5	<10	<10	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW3-022504	25-Feb-04	--	<5.00	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW3-W-0-30	17-Jun-04	--	<10.0	--	--	<10.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC2-OW3-W-1-31	17-Jun-04	--	<10.0	--	--	<10.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC-GW-OW3-082404	24-Aug-04	--	<2.50	<5.00	<5.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW3-W-0-85	01-Dec-04	--	<5.00	--	--	<5.00	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC-GW-OW3-022305	23-Feb-05	--	<0.50	<1.00	<1.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW3-082405	24-Aug-05	--	<0.50	<1.00	0.25 J	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW3-W-0-60	21-Feb-06	--	<0.50	<1.00	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW3-02106	21-Feb-06	--	<2.50	<5.00	<5.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-3-082306	23-Aug-06	--	<0.50	<1.00	<1.00	--	--	--	--	--	--	--	--	--	--	--	--	--
OW4A	OC-GW-OW4A-022704	27-Feb-04	--	<0.50	<1.00	<1.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-0-25	15-Jun-04	--	<2.50	--	--	<2.50	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC-GW-OW4a-082504	25-Aug-04	--	<0.50	<1.00	<1.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW4ak-082504	25-Aug-04	--	<0.50	<1.00	<1.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW4A-W-0-81	30-Nov-04	--	<0.50	--	--	1.5	0.8 J	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC-GW-OW4A-022505	25-Feb-05	--	<0.50	<1.00	<1.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW4a-082505	25-Aug-05	--	<0.50	<1.00	<1.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW4A-02206	22-Feb-06	--	<0.50	<1.00	<1.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-4A-082306	23-Aug-06	--	<0.50	<1.00	<1.00	--	--	--	--	--	--	--	--	--	--	--	--	--
OW5	OC-GW-OW5-022404	24-Feb-04	--	<0.50	<1.00	<1.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW5-W-5-26	16-Jun-04	--	<10.0	--	--	<10.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC-GW-OW5-082504	25-Aug-04	--	<0.50	<1.00	<1.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW5-W-0-86	02-Dec-04	--	<2.50	--	--	<2.50	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC2-OW5-W-1-87	02-Dec-04	--	<2.50	--	--	<2.50	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC-GW-OW5-022405	24-Feb-05	--	<0.50	<1.00	<1.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW5-082305	22-Aug-05	--	<2.50	<5.00	<5.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW5-021706	17-Feb-06	--	<0.50	<1.00	<1.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-5-082406	24-Aug-06	--	<0.50	<1.00	<1.00	--	--	--	--	--	--	--	--	--	--	--	--	--
OW8A	OC-GW-OW8-022404	24-Feb-04	--	<25.0	<50.0	<50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW8-W-0-29	16-Jun-04	--	<50.0	--	--	75	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC-GW-OW8-082404	24-Aug-04	--	<50.0	<100	27 J	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW8-W-0-91	03-Dec-04	--	<100	--	--	<100	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<20.0	<5.00	<5.00	<5.00	<5.00
	OC1-OW8A-W-0-40	23-Feb-05	--	<2.50	110	73	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8-022305	23-Feb-05	--	0.78	130	81	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8-K-022305	23-Feb-05	--	<100	130 J	72 J	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW8A-W-0-48	24-Aug-05	--	<50.0	57 J	37 J	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8a-082405	24-Aug-05	--	0.72	54	35	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8a-K-082405	24-Aug-05	--	0.83	61	40	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW8A-W-5-59	21-Feb-06	--	1.1 J	43	29	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8-022106	21-Feb-06	--	<50.0	<100	39 J	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8K-022106	21-Feb-06	--	<25.0	32 J	30 J	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-8	13-Mar-06	<4000	<200	<200	<200	--	--	--	--	<10.0	<10.0	<10.0	<10.0	<20.0	<10.0	<10.0	<10.0	<10.0
	OW-GW-OW-8-082406	24-Aug-06	--	<0.50	15	9.2	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-8K-082406	24-Aug-06	--	<0.50	12	7.6	--	--	--	--	--	--	--	--	--	--	--	--	--

Groundwater Data for Operable Unit 2 (OU2)
Baseline Human Health Risk Assessment
Omega Chemical Superfund Site

Location	Sample Name	Date Sampled	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-o-cresol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chloroaniline	4-Chlorophenylphenyl ether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene	Acetophenone
		Region 9 PRG:		*1800 nc*	*110 nc*		*0.15 ca*	*3.2 ca*	*3.6 nc*			*150 nc*		*180 nc*	*3.2 ca*		*370 nc*		
		EPA MCL:																	
		CalDPH MCL/NL/AL:																	
MW2	OC2-MW2A-W-0-4	02-Mar-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC2-MW2A-W-0-40	22-Jun-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC2-MW2A-W-0-64	14-Sep-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20 J	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC2-MW2A-W-0-106	08-Dec-04	<5.00	<5.00	<20.0	<5 J	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC2-MW2-W-0-126	02-Mar-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW2-W-0-149	02-Sep-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW2-W-0-174	08-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW2-W-0-251	07-Sep-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW4A	OC2-MW4A-W-0-5	03-Mar-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC2-MW4A-W-1-6	03-Mar-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC2-MW4A-W-0-36	21-Jun-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC2-MW4A-W-1-37	21-Jun-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC2-MW4A-W-0-58	13-Sep-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20 J	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<0.00	<5.00	<5.00	<5.00
	OC2-MW4A-W-0-92	06-Dec-04	<5.00	<5.00	<20.0	<5 J	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC2-MW4A-W-0-116	28-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-1-112	28-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-0-135	30-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-0-163	07-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-5-217	29-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW4B	OC2-MW4B-W-0-7	03-Mar-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC2-MW4B-W-0-38	21-Jun-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC2-MW4B-W-0-59	13-Sep-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20 J	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<0.00	<5.00	<5.00	<5.00
	OC2-MW4B-W-1-60	13-Sep-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20 J	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC2-MW4B-W-0-93	06-Dec-04	<5.00	<5.00	<20.0	<5 J	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC2-MW4B-W-1-94	06-Dec-04	<5.00	<5.00	<20.0	<5 J	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC2-MW4B-W-5-113	28-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4B-W-0-134	30-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4B-W-0-164	07-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4B-W-0-215	29-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4B-W-1-216	29-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW5	OC2-MW5A-W-0-9	03-Mar-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC2-MW5A-W-0-41	22-Jun-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC2-MW5A-W-0-66	14-Sep-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20 J	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC2-MW5A-W-0-97	06-Dec-04	<5.00	<5.00	<20.0	<5 J	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC2-MW5-W-0-117	28-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW5-W-5-139	30-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW5-W-0-167	07-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW5-W-1-168	07-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW5-W-0-218	29-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW14	OC2-MW14-W-0-206	07-Jul-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW14-W-0-263	11-Sep-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW15	OC2-MW15-W-0-198	15-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW15-W-1-199	15-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW15-W-0-219	29-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW23C	OC2-MW23C-W-0-195	14-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW23C-W-0-261	11-Sep-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW23C-W-1-262	11-Sep-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW1A	OC1-OW1-W-0-3	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-022404	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW1A-W-0-34	17-Jun-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC1-OW1-W-0-23	27-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-082704	27-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1k-082704	27-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW1A-W-0-90	08-Dec-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-022505	25-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW1-W-0-47	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-082405	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-02206	22-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-1	13-Mar-06	<10.0	<10.0	<20.0	<20.0	<20.0	<20.0	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	<20.0	<10.0	<10.0	--
	OW-GW-OW-1-082406	24-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW2	OC1-OW2-W-0-1	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW2-W-5-2	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW2-022404	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW2-W-0-32	17-Jun-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC-GW-OW2-082404	24-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW2-W-0-89	02-Dec-04	<5.00	<5.00	<20.0	<5 J	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC-GW-OW2-022405	24-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW2-082405	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW2-02206	22-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW-2-082206	22-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW3	OC1-OW3-W-0-4	25-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW3-022504	25-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW3-W-0-30	17-Jun-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC2-OW3-W-1-31	17-Jun-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC-GW-OW3-082404	24-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW3-W-0-85	01-Dec-04	<5.00	<5.00	<20.0	<5 J	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC-GW-OW3-022305	23-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW3-082405	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW3-W-0-60	21-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW3-02106	21-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-3-082306	23-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW4A	OC-GW-OW4A-022704	27-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-0-25	15-Jun-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC-GW-OW4a-082504	25-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW4ak-082504	25-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW4A-W-0-81	30-Nov-04	2.8 J	<5.00	<20.0	<5 J	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC-GW-OW4A-022505	25-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW4a-082505	25-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW4A-02206	22-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-4A-082306	23-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW5	OC-GW-OW5-022404	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW5-W-5-26	16-Jun-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC-GW-OW5-082504	25-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW5-W-0-86	02-Dec-04	<5.00	<5.00	<20.0	<5 J	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC2-OW5-W-1-87	02-Dec-04	<5.00	<5.00	<20.0	<5 J	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00
	OC-GW-OW5-022405	24-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW5-082305	22-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW5-021706	17-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-5-082406	24-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW8A	OC-GW-OW8-022404	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW8-W-0-29	16-Jun-04	<5.00	<5.00	<20.0	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	6.9
	OC-GW-OW8-082404	24-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW8-W-0-91	03-Dec-04	<5.00	<5.00	<20.0	<5 J	<5.00	<20.0	<20.0	<5.00	<5.00	<5.00	<5.00	<5.00	<20.0	<20.0	<5.00	<5.00	2.2 J
	OC1-OW8A-W-0-40	23-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8-022305	23-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8-K-022305	23-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW8A-W-0-48	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8a-082405	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8a-K-082405	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW8A-W-5-59	21-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8-022106	21-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8K-022106	21-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-8	13-Mar-06	<10.0	<10.0	<20.0	<20.0	<20.0	<20.0	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	<20.0	<10.0	<10.0	--
	OW-GW-OW-8-082406	24-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-8K-082406	24-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Groundwater Data for Operable Unit 2 (OU2)
Baseline Human Health Risk Assessment
Omega Chemical Superfund Site

			Semi-Volatile Organics (ug/L)																
Location	Sample Name	Date Sampled	Anthracene	Atrazine	Azobenzene	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Benzoic acid	Benzyl alcohol	bis(2-Chloroethoxy)methane	Bis(2-chloroethyl)ether	Bis(2-chloroisopropyl)ether	Bis(2-ethylhexyl)phthalate (DEHP)	Butyl benzyl phthalate	Caprolactam
		Region 9 PRG:	*1800 nc*	*0.3 ca*	*0.61 ca*	*3600 nc*	*0.092 ca*	*0.0092 ca*	*0.092 ca*		*0.92 ca/ CalEPA 0.056 ca*	*150,000 nc*	*11,000 nc*		*0.01 ca*	*0.27 ca*	*4.8 ca*	*7300 nc*	*18,000 nc*
		EPA MCL:		*3*				*0.2*									*6*		
		CalDPH MCL/NL/AL:		*3*				*0.2*									*4*		
MW2	OC2-MW2A-W-0-4	02-Mar-04	<5.00	<5.00	--	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	<5.00	<5.00	<5 J
	OC2-MW2A-W-0-40	22-Jun-04	<5.00	<5 R	--	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	8.5	<5.00	<5.00
	OC2-MW2A-W-0-64	14-Sep-04	<5.00	<5 J	--	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	12	<5.00	<5.00
	OC2-MW2A-W-0-106	08-Dec-04	<5.00	<5 R	--	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	<5 J	<5.00	<5.00
	OC2-MW2-W-0-126	02-Mar-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW2-W-0-149	02-Sep-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW2-W-0-174	08-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW2-W-0-251	07-Sep-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW4A	OC2-MW4A-W-0-5	03-Mar-04	<5.00	<5.00	--	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	<5.00	<5.00	11 J
	OC2-MW4A-W-1-6	03-Mar-04	<5.00	<5.00	--	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	<5.00	<5.00	<5 J
	OC2-MW4A-W-0-36	21-Jun-04	<5.00	<5 R	--	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	11	<5.00	<5.00
	OC2-MW4A-W-1-37	21-Jun-04	<5.00	<5 R	--	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	3.9 J	<5.00	<5.00
	OC2-MW4A-W-0-58	13-Sep-04	<5.00	<5 J	--	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	13	<5.00	<5.00
	OC2-MW4A-W-0-92	06-Dec-04	<5.00	<5 R	--	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	1.1 J	<5 J	<5.00
	OC2-MW4A-W-0-116	28-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-1-112	28-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-0-135	30-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-0-163	07-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-5-217	29-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW4B	OC2-MW4B-W-0-7	03-Mar-04	<5.00	<5.00	--	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	<5.00	<5.00	<5 J
	OC2-MW4B-W-0-38	21-Jun-04	<5.00	<5 R	--	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	2.6 J	<5.00	<5.00
	OC2-MW4B-W-0-59	13-Sep-04	<5.00	<5 J	--	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	5.6	<5.00	<5.00
	OC2-MW4B-W-1-60	13-Sep-04	<5.00	<5 J	--	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	4.2 J	<5.00	<5.00
	OC2-MW4B-W-0-93	06-Dec-04	<5.00	<5 R	--	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	1 J	<5 J	<5.00
	OC2-MW4B-W-1-94	06-Dec-04	<5.00	<5 R	--	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	<5 J	<5 J	<5.00
	OC2-MW4B-W-5-113	28-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4B-W-0-134	30-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4B-W-0-164	07-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4B-W-0-215	29-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4B-W-1-216	29-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW5	OC2-MW5A-W-0-9	03-Mar-04	<5.00	<5.00	--	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	<5.00	<5.00	<5 J
	OC2-MW5A-W-0-41	22-Jun-04	<5.00	<5 R	--	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	80	<5.00	<5.00
	OC2-MW5A-W-0-66	14-Sep-04	<5.00	<5 J	--	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	3 J	<5.00	<5.00
	OC2-MW5A-W-0-97	06-Dec-04	<5.00	<5 R	--	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	0.68 J	<5.00	<5.00
	OC2-MW5-W-0-117	28-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW5-W-5-139	30-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW5-W-0-167	07-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW5-W-1-168	07-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW5-W-0-218	29-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW14	OC2-MW14-W-0-206	07-Jul-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW14-W-0-263	11-Sep-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW15	OC2-MW15-W-0-198	15-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW15-W-1-199	15-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW15-W-0-219	29-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW23C	OC2-MW23C-W-0-195	14-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW23C-W-0-261	11-Sep-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW23C-W-1-262	11-Sep-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW1A	OC1-OW1-W-0-3	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-022404	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW1A-W-0-34	17-Jun-04	<5.00	<5 R	--	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	<5.00	<5.00	28
	OC1-OW1-W-0-23	27-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-082704	27-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1k-082704	27-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW1A-W-0-90	08-Dec-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-022505	25-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW1-W-0-47	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-082405	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-02206	22-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-1	13-Mar-06	<10.0	--	<10.0	--	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	--
	OW-GW-OW-1-082406	24-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW2	OC1-OW2-W-0-1	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW2-W-5-2	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW2-022404	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW2-W-0-32	17-Jun-04	<5.00	<5 R	--	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	2.5 J	<5.00	<5.00
	OC-GW-OW2-082404	24-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW2-W-0-89	02-Dec-04	<5.00	<5 R	--	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	0.45 J	<5.00	<5.00
	OC-GW-OW2-022405	24-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW2-082405	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW2-02206	22-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW-2-082206	22-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW3	OC1-OW3-W-0-4	25-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW3-022504	25-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW3-W-0-30	17-Jun-04	<5.00	<5 R	--	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	<5.00	<5.00	<5.00
	OC2-OW3-W-1-31	17-Jun-04	<5.00	<5 R	--	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	<5.00	<5.00	<5.00
	OC-GW-OW3-082404	24-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW3-W-0-85	01-Dec-04	<5.00	<5 R	--	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	<5 J	<5 J	<5.00
	OC-GW-OW3-022305	23-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW3-082405	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW3-W-0-60	21-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW3-02106	21-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-3-082306	23-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW4A	OC-GW-OW4A-022704	27-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-0-25	15-Jun-04	<5.00	<5 R	--	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	<5.00	<5.00	<5.00
	OC-GW-OW4a-082504	25-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW4ak-082504	25-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW4A-W-0-81	30-Nov-04	<5.00	<5 R	--	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	0.69 J	<5 J	<5.00
	OC-GW-OW4A-022505	25-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW4a-082505	25-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW4A-02206	22-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-4A-082306	23-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW5	OC-GW-OW5-022404	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW5-W-5-26	16-Jun-04	<5.00	<5 R	--	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	<5.00	<5.00	<5.00
	OC-GW-OW5-082504	25-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW5-W-0-86	02-Dec-04	<5.00	<5 R	--	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	0.76 J	<5 J	0.15 J
	OC2-OW5-W-1-87	02-Dec-04	<5.00	<5 R	--	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	<5 J	<5 J	<5.00
	OC-GW-OW5-022405	24-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW5-082305	22-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW5-021706	17-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-5-082406	24-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW8A	OC-GW-OW8-022404	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW8-W-0-29	16-Jun-04	<5.00	<5 R	--	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	<5.00	<5.00	<5.00
	OC-GW-OW8-082404	24-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW8-W-0-91	03-Dec-04	<5.00	<5 R	--	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	--	--	<5.00	<5.00	--	0.62 J	<5 J	<5.00
	OC1-OW8A-W-0-40	23-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8-022305	23-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8-K-022305	23-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW8A-W-0-48	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8a-082405	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8a-K-082405	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW8A-W-5-59	21-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8-022106	21-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8K-022106	21-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-8	13-Mar-06	<10.0	--	<10.0	--	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	--
	OW-GW-OW-8-082406	24-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-8K-082406	24-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Groundwater Data for Operable Unit 2 (OU2)
Baseline Human Health Risk Assessment
Omega Chemical Superfund Site

Location	Sample Name	Date Sampled	Chrysene	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	Dimethyl phthalate	Di-n-butyl phthalate	di-n-Octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-cd)pyrene	Isophorone	Nitrobenzene	N-Nitroso-di-n-propylamine
		Region 9 PRG:	*9.2 ca/ CalEPA 0.56 ca*	*0.0092 ca*	*12 nc*	*29,000 nc*	*360,000 nc*	*3600 nc*	*1500 nc*	*1500 nc*	*240 nc*	*0.042 ca*	*0.86 ca*	*220 nc*	*4.8 ca*	*0.092 ca*	*71 ca*	*3.4 nc*	*0.0096 ca*
		EPA MCL:										*1*		*50*					
		CalDPH MCL/NL/AL:										*1*		*50*					*0.01 NL*
MW2	OC2-MW2A-W-0-4	02-Mar-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	OC2-MW2A-W-0-40	22-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5 J
	OC2-MW2A-W-0-64	14-Sep-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	OC2-MW2A-W-0-106	08-Dec-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J
	OC2-MW2-W-0-126	02-Mar-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW2-W-0-149	02-Sep-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW2-W-0-174	08-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW2-W-0-251	07-Sep-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW4A	OC2-MW4A-W-0-5	03-Mar-04	<5.00	<5.00	<5.00	<5.00	<5.00	1 J	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	OC2-MW4A-W-1-6	03-Mar-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	OC2-MW4A-W-0-36	21-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	OC2-MW4A-W-1-37	21-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	OC2-MW4A-W-0-58	13-Sep-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	OC2-MW4A-W-0-92	06-Dec-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J
	OC2-MW4A-W-0-116	28-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-1-112	28-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-0-135	30-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-0-163	07-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-5-217	29-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW4B	OC2-MW4B-W-0-7	03-Mar-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	OC2-MW4B-W-0-38	21-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	OC2-MW4B-W-0-59	13-Sep-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	OC2-MW4B-W-1-60	13-Sep-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	OC2-MW4B-W-0-93	06-Dec-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J
	OC2-MW4B-W-1-94	06-Dec-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J
	OC2-MW4B-W-5-113	28-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4B-W-0-134	30-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4B-W-0-164	07-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4B-W-0-215	29-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4B-W-1-216	29-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW5	OC2-MW5A-W-0-9	03-Mar-04	<5.00	<5.00	<5.00	<5.00	<5.00	1 J	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	OC2-MW5A-W-0-41	22-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5 J
	OC2-MW5A-W-0-66	14-Sep-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	OC2-MW5A-W-0-97	06-Dec-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J
	OC2-MW5-W-0-117	28-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW5-W-5-139	30-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW5-W-0-167	07-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW5-W-1-168	07-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW5-W-0-218	29-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW14	OC2-MW14-W-0-206	07-Jul-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW14-W-0-263	11-Sep-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW15	OC2-MW15-W-0-198	15-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW15-W-1-199	15-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW15-W-0-219	29-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW23C	OC2-MW23C-W-0-195	14-Mar-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW23C-W-0-261	11-Sep-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW23C-W-1-262	11-Sep-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW1A	OC1-OW1-W-0-3	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-022404	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW1A-W-0-34	17-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	OC1-OW1-W-0-23	27-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-082704	27-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1k-082704	27-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW1A-W-0-90	08-Dec-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-022505	25-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW1-W-0-47	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-082405	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-02206	22-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-1	13-Mar-06	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0
	OW-GW-OW-1-082406	24-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW2	OC1-OW2-W-0-1	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW2-W-5-2	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW2-022404	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW2-W-0-32	17-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	OC-GW-OW2-082404	24-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW2-W-0-89	02-Dec-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J
	OC-GW-OW2-022405	24-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW2-082405	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW2-02206	22-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW-2-082206	22-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW3	OC1-OW3-W-0-4	25-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW3-022504	25-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW3-W-0-30	17-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	OC2-OW3-W-1-31	17-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	OC-GW-OW3-082404	24-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW3-W-0-85	01-Dec-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J
	OC-GW-OW3-022305	23-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW3-082405	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW3-W-0-60	21-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW3-02106	21-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-3-082306	23-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW4A	OC-GW-OW4A-022704	27-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-0-25	15-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	OC-GW-OW4a-082504	25-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW4ak-082504	25-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW4A-W-0-81	30-Nov-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J
	OC-GW-OW4A-022505	25-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW4a-082505	25-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW4A-02206	22-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-4A-082306	23-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW5	OC-GW-OW5-022404	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW5-W-5-26	16-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
	OC-GW-OW5-082504	25-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW5-W-0-86	02-Dec-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J
	OC2-OW5-W-1-87	02-Dec-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J
	OC-GW-OW5-022405	24-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW5-082305	22-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW5-021706	17-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-5-082406	24-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW8A	OC-GW-OW8-022404	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW8-W-0-29	16-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	4.9 J	<5.00	<5.00
	OC-GW-OW8-082404	24-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW8-W-0-91	03-Dec-04	<5.00	<5.00	<5.00	<5.00	0.68 J	<5 J	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	2.2 J	<5.00	<5 J
	OC1-OW8A-W-0-40	23-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8-022305	23-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8-K-022305	23-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW8A-W-0-48	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8a-082405	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8a-K-082405	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW8A-W-5-59	21-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8-022106	21-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8K-022106	21-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-8	13-Mar-06	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0
	OW-GW-OW-8-082406	24-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-8K-082406	24-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Groundwater Data for Operable Unit 2 (OU2)
Baseline Human Health Risk Assessment
Omega Chemical Superfund Site

Location	Sample Name	Date Sampled	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	1,2,3-Trichloropropane	1,4-Dioxane	N-Nitrosodimethylamine	Perchlorate	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium
		Region 9 PRG:	*14 ca*	*0.56 ca*		*11000 nc*	*180 nc*	*0.0056 ca*	*6.1 ca*	*0.0013 ca*	*3.6 ca/nc*	*36,000 nc*	*15 nc*	*0.045 ca/ CalEPA 0.0071*	*2600 nc*	*73 nc*		*18 nc*	
		EPA MCL:		*1*									*6*	*10*	*200*	*4*		*5*	
		CalDPH MCL/NL/AL:		*1*				*0.005 NL*	*3 NL*	*0.01 NL*		*1000*	*6*	*10*	*1000*	*4*		*5*	
MW2	OC2-MW2A-W-0-4	02-Mar-04	<5.00	<5.00	<5.00	<5.00	<5.00	--	41	0.03	2.7	<20	<2	1.9	53	<1	390	<2	170,000
	OC2-MW2A-W-0-40	22-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<2.00	28	0.0096	2.5	<200	<60.0	0.64 J-	56.4 J	<5.00	--	0.07 J	167,000
	OC2-MW2A-W-0-64	14-Sep-04	<5.00	<5.00	<5.00	<5.00	<5.00	0.0039 J	18	0.011	1.9 J	<200	<0.17 J	2	62.9	<2 R	--	<1.00	174,999
	OC2-MW2A-W-0-106	08-Dec-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	14	<0.0043 J	1.7 J	<200	1.6 J	1.6	59.8	<1.00	--	<1.00	193,000
	OC2-MW2-W-0-126	02-Mar-05	--	--	--	--	--	<5.00	22	0.0026	--	--	--	--	--	--	--	--	--
	OC2-MW2-W-0-149	02-Sep-05	--	--	--	--	--	<5.00	49	<2.00	1.9 J	--	--	--	--	--	--	--	--
	OC2-MW2-W-0-174	08-Mar-06	--	--	--	--	--	<0.005	96	0.0054	3.7	--	--	--	--	--	--	--	--
	OC2-MW2-W-0-251	07-Sep-06	--	--	--	--	--	<5.00	150	0.0077	3.2	--	--	--	--	--	--	--	--
MW4A	OC2-MW4A-W-0-5	03-Mar-04	<5.00	<5.00	<5.00	<5.00	<5.00	--	25 J	0.0033	4.1	<20	<2	1.6	35	<1	360	<2	170,000
	OC2-MW4A-W-1-6	03-Mar-04	<5.00	<5.00	<5.00	<5.00	<5.00	--	25 J	0.0039	4.1	<20	<2	1.7	36	<1	360	<2	170,000
	OC2-MW4A-W-0-36	21-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<2.00	33	<2.00	4.2	<200 R	<4 R	0.97 J	21.5 J	<2 R	--	<2 R	176,000
	OC2-MW4A-W-1-37	21-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<2.00	32	<2.00	4.4	<45.2 J	<4 R	0.99 J	21.8 J	<2 R	--	<2 R	177,000
	OC2-MW4A-W-0-58	13-Sep-04	<5.00	<5.00	<5.00	<5.00	<5.00	0.0027 J	19	0.0029	3.2	<200	<0.27 J	1.4	43.5	<1.00	--	<1.00	174,999
	OC2-MW4A-W-0-92	06-Dec-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	14	0.002 J	2.5	<200	1.7 J	1.5	44	<1.00	--	<1.00	204,000
	OC2-MW4A-W-0-116	28-Feb-05	--	--	--	--	--	<5.00	9.3	0.0021	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-1-112	28-Feb-05	--	--	--	--	--	<5.00	9.2	<2.00	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-0-135	30-Aug-05	--	--	--	--	--	<5.00	17	<2.00	2.6	--	--	--	--	--	--	--	--
	OC2-MW4A-W-0-163	07-Mar-06	--	--	--	--	--	<0.005	20	0.002	3.2	--	--	--	--	--	--	--	--
	OC2-MW4A-W-5-217	29-Aug-06	--	--	--	--	--	<5.00	16	0.0019 J	3.6	--	--	--	--	--	--	--	--
MW4B	OC2-MW4B-W-0-7	03-Mar-04	<5.00	<5.00	<5.00	<5.00	<5.00	--	37 J	0.0059	4.3	<20	<2	<1	<2	<1	350	<2	200,000
	OC2-MW4B-W-0-38	21-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<2.00	27	<2.00	3.4	<45.5 J	<4 R	1.2 J	27.7 J	<2 R	--	<2 R	227,000
	OC2-MW4B-W-0-59	13-Sep-04	<5.00	<5.00	<5.00	<5.00	<5.00	0.0028 J	10	<2.00	2.9	<200	<0.23 J	1.6	52.8	<1.00	--	<1.00	216,000
	OC2-MW4B-W-1-60	13-Sep-04	<5.00	<5.00	<5.00	<5.00	<5.00	0.0044 J	12	<2.00	3.4	<200	<0.42 J	1.8	53.3	<1.00	--	<1.00	221,001
	OC2-MW4B-W-0-93	06-Dec-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	12	0.002 J	2.4	<200	1.8 J	1.6	44.2	<1.00	--	<1.00	238,000
	OC2-MW4B-W-1-94	06-Dec-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	12	0.002 J	2.5	<200	1.7 J	1.6	46	<1.00	--	<1.00	235,000
	OC2-MW4B-W-5-113	28-Feb-05	--	--	--	--	--	<5.00	5.4	<2.00	--	--	--	--	--	--	--	--	--
	OC2-MW4B-W-0-134	30-Aug-05	--	--	--	--	--	<5.00	6.8	<2.00	3.1	--	--	--	--	--	--	--	--
	OC2-MW4B-W-0-164	07-Mar-06	--	--	--	--	--	<0.005	5.6	<0.002	2.9	--	--	--	--	--	--	--	--
	OC2-MW4B-W-0-215	29-Aug-06	--	--	--	--	--	<5.00	21	0.0019 J	3.7	--	--	--	--	--	--	--	--
	OC2-MW4B-W-1-216	29-Aug-06	--	--	--	--	--	<5.00	20	0.0019 J	3.7	--	--	--	--	--	--	--	--
MW5	OC2-MW5A-W-0-9	03-Mar-04	<5.00	<5.00	<5.00	<5.00	<5.00	--	70 J	0.0102	3.6	<20	<2	1.8	57	<1	370	<2	190,000
	OC2-MW5A-W-0-41	22-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<2.00	54	0.0041	3.7	<200	<60.0	0.83 J-	61.5 J	<5.00	--	<5.00	182,000
	OC2-MW5A-W-0-66	14-Sep-04	<5.00	<5.00	<5.00	<5.00	<5.00	0.0042 J	37	0.0043	3	<200	<0.3 J	1.5	72.3 J+	<2 R	--	<0.08 J	198,999
	OC2-MW5A-W-0-97	06-Dec-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	45	0.0031 J	2.6	<200	1.9 J	1.7	59.6	<1.00	--	<1.00	199,000
	OC2-MW5-W-0-117	28-Feb-05	--	--	--	--	--	<5.00	31	0.0035	--	--	--	--	--	--	--	--	--
	OC2-MW5-W-5-139	30-Aug-05	--	--	--	--	--	<5.00	37	0.0045	2.3	--	--	--	--	--	--	--	--
	OC2-MW5-W-0-167	07-Mar-06	--	--	--	--	--	<0.005	42	0.004	2.3	--	--	--	--	--	--	--	--
	OC2-MW5-W-1-168	07-Mar-06	--	--	--	--	--	<0.005	42	0.0041	2.3	--	--	--	--	--	--	--	--
	OC2-MW5-W-0-218	29-Aug-06	--	--	--	--	--	<5.00	89	0.0043 J	3	--	--	--	--	--	--	--	--
MW14	OC2-MW14-W-0-206	07-Jul-06	--	--	--	--	--	<0.50	11	--	--	--	--	--	--	--	--	--	--
	OC2-MW14-W-0-263	11-Sep-06	--	--	--	--	--	<10.0	7.1	0.0059	2.1	--	--	--	--	--	--	--	--
MW15	OC2-MW15-W-0-198	15-Mar-06	--	--	--	--	--	<0.005	70	0.003	3.9	--	--	--	--	--	--	--	--
	OC2-MW15-W-1-199	15-Mar-06	--	--	--	--	--	<0.0051	74	0.0048	4.2	--	--	--	--	--	--	--	--
	OC2-MW15-W-0-219	29-Aug-06	--	--	--	--	--	<5.00	50	0.0028 J	3.7	--	--	--	--	--	--	--	--
MW23C	OC2-MW23C-W-0-195	14-Mar-06	--	--	--	--	--	<0.005	38	0.0053	5.3	--	--	--	--	--	--	--	--
	OC2-MW23C-W-0-261	11-Sep-06	--	--	--	--	--	<0.50	22	0.0023	3.6	--	--	--	--	--	--	--	--
	OC2-MW23C-W-1-262	11-Sep-06	--	--	--	--	--	<0.50	24	0.0031	2	--	--	--	--	--	--	--	--
OW1A	OC1-OW1-W-0-3	24-Feb-04	--	--	--	--	--	<0.5	26,000	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-022404	24-Feb-04	--	--	--	--	--	<1.00	12,000	--	--	--	--	--	--	--	--	--	--
	OC2-OW1A-W-0-34	17-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	0.014	8,500	0.23	3.5	<70.1 J	<0.2 J	1.9 J	44 J	<1 R	--	<0.72 J	180,000
	OC1-OW1-W-0-23	27-Aug-04	--	--	--	--	--	<0.50	5,900 J	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-082704	27-Aug-04	--	--	--	--	--	<400	5,600	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1k-082704	27-Aug-04	--	--	--	--	--	<1.00	6,800	--	--	--	--	--	--	--	--	--	--
	OC2-OW1A-W-0-90	08-Dec-04	--	--	--	--	--	--	13,000 J	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-022505	25-Feb-05	--	--	--	--	--	<1.00	3,300	--	--	--	--	--	--	--	--	--	--
	OC1-OW1-W-0-47	24-Aug-05	--	--	--	--	--	<50.0	4,100	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-082405	24-Aug-05	--	--	--	--	--	<5.00	3,100	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-02206	22-Feb-06	--	--	--	--	--	<200	2,700	--	--	--	--	--	--	--	--	--	--
	OW-1	13-Mar-06	<10.0	<20.0	<10.0	<10.0	<10.0	<630	3,100	<10.0	--	--	<60.0	<5.00	51	<2.00	290	<5.00	--
	OW-GW-OW-1-082406	24-Aug-06	--	--	--	--	--	<1.00	210	--	--	--	--	--	--	--	--	--	--
OW2	OC1-OW2-W-0-1	24-Feb-04	--	--	--	--	--	<0.5	2.7	--	--	--	--	--	--	--	--	--	--
	OC1-OW2-W-5-2	24-Feb-04	--	--	--	--	--	<0.5	3.6	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW2-022404	24-Feb-04	--	--	--	--	--	<5.00	<0.50	--	--	--	--	--	--	--	--	--	--
	OC2-OW2-W-0-32	17-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<2.00	<1.00	<2.00	2.7	<200 R	<0.18 J	0.74 J	21.8 J	<2 R	--	0.09 J	158,000
	OC-GW-OW2-082404	24-Aug-04	--	--	--	--	--	<10.0	12	--	--	--	--	--	--	--	--	--	--
	OC2-OW2-W-0-89	02-Dec-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<1.00	0.002 J	1.7 J	<200	1.9 J	0.75 J	35.7	<1.00	--	<1.00	145,000
	OC-GW-OW2-022405	24-Feb-05	--	--	--	--	--	<10.0	1.7	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW2-082405	24-Aug-05	--	--	--	--	--	<5.00	0.51	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW2-02206	22-Feb-06	--	--	--	--	--	<10.0	<0.47	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW-2-082206	22-Aug-06	--	--	--	--	--	<5.00	<0.47	--	--	--	--	--	--	--	--	--	--
OW3	OC1-OW3-W-0-4	25-Feb-04	--	--	--	--	--	<10	<0.5	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW3-022504	25-Feb-04	--	--	--	--	--	<10.0	0.51	--	--	--	--	--	--	--	--	--	--
	OC2-OW3-W-0-30	17-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<2.00	1.2	<2.00	3.5	<48.2 J	<4 R	0.62 J	13 J	<1.00	--	0.07 J	183,000
	OC2-OW3-W-1-31	17-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<2.00	0.7 J	<2.00	3.8	<200 R	<4 R	0.71 J	12.9 J	<2 R	--	0.08 J	172,000
	OC-GW-OW3-082404	24-Aug-04	--	--	--	--	--	<5.00	<0.50	--	--	--	--	--	--	--	--	--	--
	OC2-OW3-W-0-85	01-Dec-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<1.00	0.002 J	2.5	<200	1.8 J	0.79 J	24.7	<1.00	--	<1.00	186,000
	OC-GW-OW3-022305	23-Feb-05	--	--	--	--	--	<1.00	<0.50	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW3-082405	24-Aug-05	--	--	--	--	--	<1.00	1.4	--	--	--	--	--	--	--	--	--	--
	OC1-OW3-W-0-60	21-Feb-06	--	--	--	--	--	<0.50	3.5	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW3-02106	21-Feb-06	--	--	--	--	--	<5.00	1.5	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-3-082306	23-Aug-06	--	--	--	--	--	<1.00	1.1	--	--	--	--	--	--	--	--	--	--
OW4A	OC-GW-OW4A-022704	27-Feb-04	--	--	--	--	--	<1.00	<0.50	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-0-25	15-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<2.00	<1 J	<2.00	1.7 J	<180 J	<0.4 J	1 J+	48.8 J+	<1.00	--	<1.00	153,000
	OC-GW-OW4a-082504	25-Aug-04	--	--	--	--	--	<1.00	1.8	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW4ak-082504	25-Aug-04	--	--	--	--	--	<1.00	1.9	--	--	--	--	--	--	--	--	--	--
	OC2-OW4A-W-0-81	30-Nov-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	0.5 J	0.002 J	1.3 J	<200	1.8 J	0.9 J	44.4	<1.00	--	<1.00	140,000
	OC-GW-OW4A-022505	25-Feb-05	--	--	--	--	--	<1.00	1.1	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW4a-082505	25-Aug-05	--	--	--	--	--	<1.00	4.1	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW4A-02206	22-Feb-06	--	--	--	--	--	<1.00	6.7	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-4A-082306	23-Aug-06	--	--	--	--	--	<1.00	10	--	--	--	--	--	--	--	--	--	--
OW5	OC-GW-OW5-022404	24-Feb-04	--	--	--	--	--	<1.00	68	--	--	--	--	--	--	--	--	--	--
	OC2-OW5-W-5-26	16-Jun-04	<5.00	<5.00	<5.00	<5.00	<5.00	<2.00	170	0.011	5.6	331	<0.18 J	3.4 J+	40.4 J	<1.00	--	0.1 J	171,000
	OC-GW-OW5-082504	25-Aug-04	--	--	--	--	--	<1.00	85	--	--	--	--	--	--	--	--	--	--
	OC2-OW5-W-0-86	02-Dec-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	51	0.0046 J	2.2	<200	1.7 J	1.5	59.9	<1.00	--	<1.00	140,000
	OC2-OW5-W-1-87	02-Dec-04	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	46	0.002 J	2.2	<200	1.9 J	1.6	60.2	<1.00	--	<1.00	140,000
	OC-GW-OW5-022405	24-Feb-05	--	--	--	--	--	<1.00	10	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW5-082305	22-Aug-05	--	--	--	--	--	<5.00	95	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW5-021706	17-Feb-06	--	--	--	--	--	<1.00	120	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-5-082406	24-Aug-06	--	--	--	--	--	<1.00	27	--	--	--	--	--	--	--	--	--	--
OW8A	OC-GW-OW8-022404	24-Feb-04	--	--	--	--	--	<50.0	210	--	--	--	--	--	--	--	--	--	--
	OC2-OW8-W-0-29	16-Jun-04	<5.00	<5.00	<5.00	20	<5.00	0.087	5,000	0.9	<2.00	<200 R	<0.34 J	64.7 J	73.3 J	<1 R	--	<0.16 J	286,000
	OC-GW-OW8-082404	24-Aug-04	--	--	--	--	--	<100	5,300	--	--	--	--	--	--	--	--	--	--
	OC2-OW8-W-0-91	03-Dec-04	<5.00	0.3 J	0.069 J	8.5 J	<5.00	0.065	3,200	0.68 J	<2.00	<200	1.8 J	17.1	57.8	<1.00	--	<1.00	285,000
	OC1-OW8A-W-0-40	23-Feb-05	--	--	--	--	--	<2.50	7,600 J	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8-022305	23-Feb-05	--	--	--	--	--	<1.00	60	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8-K-022305	23-Feb-05	--	--	--	--	--	<200	6,300	--	--	--	--	--	--	--	--	--	--
	OC1-OW8A-W-0-48	24-Aug-05	--	--	--	--	--	<50.0	7,600	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8a-082405	24-Aug-05	--	--	--	--	--	<1.00	3,900	--	--	--	<0.01	<0.005	--	<0.002	--	<0.005	170,000
	OC-GW-OW8a-K-082405	24-Aug-05	--	--	--	--	--	<1.00	54	--	--	--	--	--	--	--	--	--	--
	OC1-OW8A-W-5-59	21-Feb-06	--	--	--	--	--	<0.50	4,500	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8-022106	21-Feb-06	--	--	--	--	--	<100	480	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8K-022106	21-Feb-06	--	--	--	--	--	<50.0	2,100	--	--	--	--	--	--	--	--	--	--
	OW-8	13-Mar-06	<10.0	<20.0	<10.0	11	<10.0	<200	2,800	<10.0	--	--	<60.0	<5.00	47	<2.00	310	<5.00	--
	OW-GW-OW-8-082406	24-Aug-06	--	--	--	--	--	<1.00	250	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-8K-082406	24-Aug-06	--	--	--	--	--	<1.00	390	--	--	--	--	--	--	--	--	--	--

Groundwater Data for Operable Unit 2 (OU2)
Baseline Human Health Risk Assessment
Omega Chemical Superfund Site

			Emergents and Metals: (ug/L)																
Location	Sample Name	Date Sampled	Chromium	Cobalt	Copper	Cyanide (total)	Hexavalent chromium	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silica (SiO2)	Silver	Sodium
		Region 9 PRG:	*Cr (III) 55000 nc*	*730 nc*	*1500 nc*	*730 nc*	*110 nc*	*11000 nc*			*880 nc*		*180 nc*	*730 nc*		*180 nc*		*180 nc*	
		EPA MCL:	*100*		*1300*	*200*			*15*			*2*				*50*			
		CalDPH MCL/NL/AL:	*50*		*1300 AL*	*150*	*50*		*15 AL*			*2*		*100*		*50*			
MW2	OC2-MW2A-W-0-4	02-Mar-04	3.8	<1	<4	<10	4.22	<100	<2	<49000	<2	0.068	9.5	6.2	<5000	4.6	46,000 J	<1	92,000
	OC2-MW2A-W-0-40	22-Jun-04	3.5 J	0.13 J	<25.0	<10.0	3.5	<100	<10.0	48,000	<15.0	0.05 J	--	3.8 J+	<2450 J	2.2 J-	--	<1.00	95,000
	OC2-MW2A-W-0-64	14-Sep-04	3.8	0.08 J	0.62 J+	<10.0	3.1	<100	<1.00	50,800	<0.50	<0.20	--	3 J+	<2910 J	4.2 J	--	<1.00	95,500
	OC2-MW2A-W-0-106	08-Dec-04	3.9	0.18 J	0.41 J	<10.0	3.8	<100	0.08 J	54,900	0.37 J	<0.20	--	1	<4270 J	2.8 J	--	<1.00	110,000
	OC2-MW2-W-0-126	02-Mar-05	--	--	--	--	4.2	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW2-W-0-149	02-Sep-05	--	--	--	--	2.7	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW2-W-0-174	08-Mar-06	--	--	--	--	10.5	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW2-W-0-251	07-Sep-06	--	--	--	--	6.8	--	--	--	--	--	--	--	--	--	--	--	--
MW4A	OC2-MW4A-W-0-5	03-Mar-04	20	<1	<4	<10	23.1	<100	<2	45,000 J	<2	<0.03	5.7	6.1	2,600 J	7.2	38,000 J	<1	96,000
	OC2-MW4A-W-1-6	03-Mar-04	20	<1	<4	<10	22.7	<100	<2	45,000 J	<2	<0.03	5.8	6.3	2,800 J	7.8	38,000 J	<1	95,000
	OC2-MW4A-W-0-36	21-Jun-04	8.5 J	0.08 J	0.63 J	<10.0	13.9	<100	0.12 J	44,300	<2 R	<0.20	--	2.6 J	2,300 J	4.3 J	--	<2 R	95,900
	OC2-MW4A-W-1-37	21-Jun-04	8.5 J	0.08 J	0.54 J	<10.0	13.3	<100	0.11 J	44,300	<2 R	0.02 J	--	2.7 J	2,270 J	4.2 J	--	<2 R	94,400
	OC2-MW4A-W-0-58	13-Sep-04	11	0.13 J	0.77 J	<10.0	11.4	<100	<1.00	45,100	<0.50	<0.20	--	2.9	<2920 J	7.5	--	<1.00	95,700
	OC2-MW4A-W-0-92	06-Dec-04	8.1	0.22 J	0.42 J	<10.0	9.1	<100	0.19 J	48,800	0.73 J	0.03 J	--	1.3	<2850 J	5.5	--	<1.00	131,000
	OC2-MW4A-W-0-116	28-Feb-05	--	--	--	--	7.4	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-1-112	28-Feb-05	--	--	--	--	7.2	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-0-135	30-Aug-05	--	--	--	--	11.6	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-0-163	07-Mar-06	--	--	--	--	22.2	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-5-217	29-Aug-06	--	--	--	--	15	--	--	--	--	--	--	--	--	--	--	--	--
MW4B	OC2-MW4B-W-0-7	03-Mar-04	<2	<1	<4	<10	17.2	<100	<2	50,000	<2	<0.03	<1	<2	4,100 J	<2	41,000 J	<1	93,000
	OC2-MW4B-W-0-38	21-Jun-04	5.7 J	0.1 J	0.6 J	<10.0	8.7	<100	<0.09 R	59,200	<2 R	<0.20	--	3.3 J	4,480 J	3.7 J	--	<2 R	100,000
	OC2-MW4B-W-0-59	13-Sep-04	9.3	0.1 J	0.83 J	<10.0	9.4	<100	0.13 J	56,700	<0.68 J	<0.20	--	3.4	<4210 J	8	--	<1.00	93,900
	OC2-MW4B-W-1-60	13-Sep-04	9.2	0.11 J	0.83 J+	<10.0	9.6	<100	<1.00	58,200	<0.62 J	<0.20	--	3.3 J+	<4240 J	8.4	--	<1.00	96,600
	OC2-MW4B-W-0-93	06-Dec-04	8.1	0.26 J	0.5 J	<10.0	9	<100	<1.00	59,000	0.74 J	0.03 J	--	1.1	<4350 J	8	--	<1.00	126,000
	OC2-MW4B-W-1-94	06-Dec-04	8.4	0.28 J	0.6 J	<10.0	8.8	<100	0.16 J	59,000	0.78 J	<0.20	--	1.4	<4260 J	8	--	<1.00	127,000
	OC2-MW4B-W-5-113	28-Feb-05	--	--	--	--	6.7	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4B-W-0-134	30-Aug-05	--	--	--	--	6.9	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4B-W-0-164	07-Mar-06	--	--	--	--	11.7	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4B-W-0-215	29-Aug-06	--	--	--	--	11	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4B-W-1-216	29-Aug-06	--	--	--	--	12	--	--	--	--	--	--	--	--	--	--	--	--
MW5	OC2-MW5A-W-0-9	03-Mar-04	18 J	<1	<4	<10	10.1	<100	<2	51,000	<2	<0.03	4.5	6.8	3,300 J	6.7	41,000 J	<1	95,000
	OC2-MW5A-W-0-41	22-Jun-04	7.9 J	0.19 J	<25.0	<10.0	7.9	<100	0.12 J	49,900	<15.0	0.02 J	--	5.1 J	<2950 J	3 J-	--	<1.00	90,400
	OC2-MW5A-W-0-66	14-Sep-04	7.3	0.41 J+	0.57 J+	<10.0	7.9	34.5 J	<1.00	54,500	<0.50	<0.20	--	7.7 J+	<3280 J	5.7	--	<1.00	89,700
	OC2-MW5A-W-0-97	06-Dec-04	9.1	0.6 J	0.46 J	<10.0	9.2	<100	<1.00	53,100	0.54 J	<0.20	--	8.8	<2820 J	3.6 J	--	<1.00	111,000
	OC2-MW5-W-0-117	28-Feb-05	--	--	--	--	9.3	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW5-W-5-139	30-Aug-05	--	--	--	--	6.1	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW5-W-0-167	07-Mar-06	--	--	--	--	11.6	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW5-W-1-168	07-Mar-06	--	--	--	--	11.3	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW5-W-0-218	29-Aug-06	--	--	--	--	8.1	--	--	--	--	--	--	--	--	--	--	--	--
MW14	OC2-MW14-W-0-206	07-Jul-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW14-W-0-263	11-Sep-06	--	--	--	--	4.1	--	--	--	--	--	--	--	--	--	--	--	--
MW15	OC2-MW15-W-0-198	15-Mar-06	--	--	--	--	16.6	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW15-W-1-199	15-Mar-06	--	--	--	--	17.1	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW15-W-0-219	29-Aug-06	--	--	--	--	9.6	--	--	--	--	--	--	--	--	--	--	--	--
MW23C	OC2-MW23C-W-0-195	14-Mar-06	--	--	--	--	6.5	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW23C-W-0-261	11-Sep-06	--	--	--	--	0.52	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW23C-W-1-262	11-Sep-06	--	--	--	--	0.57	--	--	--	--	--	--	--	--	--	--	--	--
OW1A	OC1-OW1-W-0-3	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-022404	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW1A-W-0-34	17-Jun-04	<0.74 J	1.2 J-	0.87 J	3.4 J	<1.00	2,480	0.16 J	45,300	191 J	<0.20	--	12.4 J	5,280	6.9 J	--	<2 R	125,000
	OC1-OW1-W-0-23	27-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-082704	27-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1k-082704	27-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW1A-W-0-90	08-Dec-04	--	--	--	--	<1.00	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-022505	25-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW1-W-0-47	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-082405	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW1-02206	22-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-1	13-Mar-06	<10.0	<20.0	<10.0	--	--	1,900	<3.00	--	320	<0.20	<20.0	<20.0	--	<5.00	--	<5.00	--
	OW-GW-OW-1-082406	24-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW2	OC1-OW2-W-0-1	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW2-W-5-2	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW2-022404	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW2-W-0-32	17-Jun-04	<2.5 J	0.12 J-	0.47 J	<10.0	3.4	36.7 J	0.12 J	56,000	0.53 J	0.03 J	--	2.6 J	1,860 J	4 J	--	<2 R	72,300
	OC-GW-OW2-082404	24-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW2-W-0-89	02-Dec-04	3.2	0.36 J	0.57 J	2 J	2.1	<100	0.31 J	54,600	1.1	<0.20	--	1.6	<1760 J	4.4 J	--	<1.00	82,400
	OC-GW-OW2-022405	24-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW2-082405	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW2-02206	22-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW-2-082206	22-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW3	OC1-OW3-W-0-4	25-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW3-022504	25-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW3-W-0-30	17-Jun-04	<2.8 J	0.14 J	1 J	<10.0	4.2	<100	0.27 J	60,400	0.96 J	<0.20	--	3.1	2,490 J	3.6 J	--	<1.00	72,900
	OC2-OW3-W-1-31	17-Jun-04	<2.7 J	0.13 J	0.96 J	<10.0	4.1	42.1 J	0.26 J	56,300	0.93 J	<0.20	--	3.1 J	2,420 J	3.3 J	--	<2 R	68,600
	OC-GW-OW3-082404	24-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW3-W-0-85	01-Dec-04	5.1	2.6	0.41 J	<10.0	3.2	<100	<1.00	57,600	4	<0.20	--	2	<2550 J	5	--	<1.00	83,900
	OC-GW-OW3-022305	23-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW3-082405	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW3-W-0-60	21-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW3-02106	21-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-3-082306	23-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW4A	OC-GW-OW4A-022704	27-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-MW4A-W-0-25	15-Jun-04	9.3 J	0.26 J	2.1 J+	<10.0	7.3	284	0.38 J	48,800	2.5 J-	<0.20	--	5.8 J+	2,070 J	4 J	--	<1.00	85,400
	OC-GW-OW4a-082504	25-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW4ak-082504	25-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW4A-W-0-81	30-Nov-04	9.2	5	0.76 J	<10.0	8	<100	0.11 J	43,500	1.8	<0.20	--	3.2	<1980 J	2.4 J	--	<1.00	102,000
	OC-GW-OW4A-022505	25-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW4a-082505	25-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW4A-02206	22-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-4A-082306	23-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW5	OC-GW-OW5-022404	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW5-W-5-26	16-Jun-04	98.1 J	1.5	6.8 J+	<10.0	3.5	2,290	0.17 J	50,000	25.8 J-	0.03 J	--	109 J+	2,260 J	10.8	--	<2 R	82,700
	OC-GW-OW5-082504	25-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW5-W-0-86	02-Dec-04	8.3	0.64 J	2.3	<10.0	4.6	<100	0.08 J	39,900	9.5	<0.20	--	47.9	<2100 J	3.9 J	--	<1.00	107,000
	OC2-OW5-W-1-87	02-Dec-04	8.4	0.67 J	2.2	<10.0	7.6	41.8 J	0.05 J	40,100	10	<0.20	--	52.9	<2070 J	3.7 J	--	<1.00	107,000
	OC-GW-OW5-022405	24-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW5-082305	22-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW5-021706	17-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-5-082406	24-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW8A	OC-GW-OW8-022404	24-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW8-W-0-29	16-Jun-04	<1.8 J	1.3 J	0.83 J	<10.0	<1.00	1,980	<0.07 R	100,000	2,490 J-	0.19 J	--	12.7 J	2,480 J	227 J	--	<1 R	97,000
	OC-GW-OW8-082404	24-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-OW8-W-0-91	03-Dec-04	0.75 J	1.8	0.95 J	<10.0	<1.00	2,620	0.04 J	95,200	4,010	0.07 J	--	5.4	<2710 J	1 J	--	<1.00	120,000
	OC1-OW8A-W-0-40	23-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8-022305	23-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8-K-022305	23-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW8A-W-0-48	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8a-082405	24-Aug-05	7.4	<0.01	<0.01	--	--	1,200	<0.005	62,000	2,900	--	<0.02	<0.01	2,300	--	--	--	95,000
	OC-GW-OW8a-K-082405	24-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC1-OW8A-W-5-59	21-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8-022106	21-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC-GW-OW8K-022106	21-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-8	13-Mar-06	<10.0	<20.0	<10.0	--	--	1,300	<3.00	--	3,500	0.22	<20.0	<20.0	--	<5.00	--	<5.00	--
	OW-GW-OW-8-082406	24-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OW-GW-OW-8K-082406	24-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Groundwater Data for Operable Unit 2 (OU2)
Baseline Human Health Risk Assessment
Omega Chemical Superfund Site

Location	Sample Name	Date Sampled	Thallium	Vanadium	Zinc
		Region 9 PRG:	*2.4 nc*	*36 nc*	*11000 nc*
		EPA MCL:	*2*		
		CalDPH MCL/NL/AL:	*2*	*50 NL*	
MW2	OC2-MW2A-W-0-4	02-Mar-04	<2	<20	<10
	OC2-MW2A-W-0-40	22-Jun-04	11.9 J	2	1.9 J
	OC2-MW2A-W-0-64	14-Sep-04	<1.00	4.9	2.3
	OC2-MW2A-W-0-106	08-Dec-04	<1.00	5	0.47 J
	OC2-MW2-W-0-126	02-Mar-05	--	--	--
	OC2-MW2-W-0-149	02-Sep-05	--	--	--
	OC2-MW2-W-0-174	08-Mar-06	--	--	--
	OC2-MW2-W-0-251	07-Sep-06	--	--	--
MW4A	OC2-MW4A-W-0-5	03-Mar-04	<2	<20	<10
	OC2-MW4A-W-1-6	03-Mar-04	<2	<20	<10
	OC2-MW4A-W-0-36	21-Jun-04	<2 R	1.2 J	1.4 J-
	OC2-MW4A-W-1-37	21-Jun-04	<2 R	1.2 J	1.1 J-
	OC2-MW4A-W-0-58	13-Sep-04	<0.08 J	3.9	2.8
	OC2-MW4A-W-0-92	06-Dec-04	<1.00	4.1	1.4 J
	OC2-MW4A-W-0-116	28-Feb-05	--	--	--
	OC2-MW4A-W-1-112	28-Feb-05	--	--	--
	OC2-MW4A-W-0-135	30-Aug-05	--	--	--
	OC2-MW4A-W-0-163	07-Mar-06	--	--	--
	OC2-MW4A-W-5-217	29-Aug-06	--	--	--
MW4B	OC2-MW4B-W-0-7	03-Mar-04	<2	<20	<10
	OC2-MW4B-W-0-38	21-Jun-04	<2 R	1.3 J	1.9 J-
	OC2-MW4B-W-0-59	13-Sep-04	<1.00	4.2	2.3
	OC2-MW4B-W-1-60	13-Sep-04	<1.00	4	1.8 J
	OC2-MW4B-W-0-93	06-Dec-04	<1.00	4	0.65 J
	OC2-MW4B-W-1-94	06-Dec-04	<1.00	4.1	1.7 J
	OC2-MW4B-W-5-113	28-Feb-05	--	--	--
	OC2-MW4B-W-0-134	30-Aug-05	--	--	--
	OC2-MW4B-W-0-164	07-Mar-06	--	--	--
	OC2-MW4B-W-0-215	29-Aug-06	--	--	--
	OC2-MW4B-W-1-216	29-Aug-06	--	--	--
MW5	OC2-MW5A-W-0-9	03-Mar-04	<2	<20	<10
	OC2-MW5A-W-0-41	22-Jun-04	<25.0	1.8 J	1.7 J
	OC2-MW5A-W-0-66	14-Sep-04	<1.00	3.8	2.6 J+
	OC2-MW5A-W-0-97	06-Dec-04	<1.00	4.6	1.3 J
	OC2-MW5-W-0-117	28-Feb-05	--	--	--
	OC2-MW5-W-5-139	30-Aug-05	--	--	--
	OC2-MW5-W-0-167	07-Mar-06	--	--	--
	OC2-MW5-W-1-168	07-Mar-06	--	--	--
	OC2-MW5-W-0-218	29-Aug-06	--	--	--
MW14	OC2-MW14-W-0-206	07-Jul-06	--	--	--
	OC2-MW14-W-0-263	11-Sep-06	--	--	--
MW15	OC2-MW15-W-0-198	15-Mar-06	--	--	--
	OC2-MW15-W-1-199	15-Mar-06	--	--	--
	OC2-MW15-W-0-219	29-Aug-06	--	--	--
MW23C	OC2-MW23C-W-0-195	14-Mar-06	--	--	--
	OC2-MW23C-W-0-261	11-Sep-06	--	--	--
	OC2-MW23C-W-1-262	11-Sep-06	--	--	--
OW1A	OC1-OW1-W-0-3	24-Feb-04	--	--	--
	OC-GW-OW1-022404	24-Feb-04	--	--	--
	OC2-OW1A-W-0-34	17-Jun-04	<2 R	<2 R	15 J-
	OC1-OW1-W-0-23	27-Aug-04	--	--	--
	OC-GW-OW1-082704	27-Aug-04	--	--	--
	OC-GW-OW1k-082704	27-Aug-04	--	--	--
	OC2-OW1A-W-0-90	08-Dec-04	--	--	--
	OC-GW-OW1-022505	25-Feb-05	--	--	--
	OC1-OW1-W-0-47	24-Aug-05	--	--	--
	OC-GW-OW1-082405	24-Aug-05	--	--	--
	OC-GW-OW1-02206	22-Feb-06	--	--	--
	OW-1	13-Mar-06	<5.00	<10.0	<20.0
	OW-GW-OW-1-082406	24-Aug-06	--	--	--
OW2	OC1-OW2-W-0-1	24-Feb-04	--	--	--
	OC1-OW2-W-5-2	24-Feb-04	--	--	--
	OC-GW-OW2-022404	24-Feb-04	--	--	--
	OC2-OW2-W-0-32	17-Jun-04	<2 R	1.4 J	1.9 J-
	OC-GW-OW2-082404	24-Aug-04	--	--	--
	OC2-OW2-W-0-89	02-Dec-04	<1.00	4.9	4.2
	OC-GW-OW2-022405	24-Feb-05	--	--	--
	OC-GW-OW2-082405	24-Aug-05	--	--	--
	OC-GW-OW2-02206	22-Feb-06	--	--	--
	OC-GW-OW-2-082206	22-Aug-06	--	--	--
OW3	OC1-OW3-W-0-4	25-Feb-04	--	--	--
	OC-GW-OW3-022504	25-Feb-04	--	--	--
	OC2-OW3-W-0-30	17-Jun-04	<1.00	1.7 J	4.3 J-
	OC2-OW3-W-1-31	17-Jun-04	<2 R	1.6 J	4 J-
	OC-GW-OW3-082404	24-Aug-04	--	--	--
	OC2-OW3-W-0-85	01-Dec-04	<1.00	4.8	4
	OC-GW-OW3-022305	23-Feb-05	--	--	--
	OC-GW-OW3-082405	24-Aug-05	--	--	--
	OC1-OW3-W-0-60	21-Feb-06	--	--	--
	OC-GW-OW3-02106	21-Feb-06	--	--	--
	OW-GW-OW-3-082306	23-Aug-06	--	--	--
OW4A	OC-GW-OW4A-022704	27-Feb-04	--	--	--
	OC2-MW4A-W-0-25	15-Jun-04	0.1 J	3.5	4.9 J-
	OC-GW-OW4a-082504	25-Aug-04	--	--	--
	OC-GW-OW4ak-082504	25-Aug-04	--	--	--
	OC2-OW4A-W-0-81	30-Nov-04	<1.00	3.9	7.6
	OC-GW-OW4A-022505	25-Feb-05	--	--	--
	OC-GW-OW4a-082505	25-Aug-05	--	--	--
	OC-GW-OW4A-02206	22-Feb-06	--	--	--
	OW-GW-OW-4A-082306	23-Aug-06	--	--	--
OW5	OC-GW-OW5-022404	24-Feb-04	--	--	--
	OC2-OW5-W-5-26	16-Jun-04	<2 R	4	7.5 J-
	OC-GW-OW5-082504	25-Aug-04	--	--	--
	OC2-OW5-W-0-86	02-Dec-04	<1.00	5.1	10.9
	OC2-OW5-W-1-87	02-Dec-04	<1.00	5.1	11.2
	OC-GW-OW5-022405	24-Feb-05	--	--	--
	OC-GW-OW5-082305	22-Aug-05	--	--	--
	OC-GW-OW5-021706	17-Feb-06	--	--	--
	OW-GW-OW-5-082406	24-Aug-06	--	--	--
OW8A	OC-GW-OW8-022404	24-Feb-04	--	--	--
	OC2-OW8-W-0-29	16-Jun-04	<1 R	0.41 J	1.9 J-
	OC-GW-OW8-082404	24-Aug-04	--	--	--
	OC2-OW8-W-0-91	03-Dec-04	<1.00	2	3.9
	OC1-OW8A-W-0-40	23-Feb-05	--	--	--
	OC-GW-OW8-022305	23-Feb-05	--	--	--
	OC-GW-OW8-K-022305	23-Feb-05	--	--	--
	OC1-OW8A-W-0-48	24-Aug-05	--	--	--
	OC-GW-OW8a-082405	24-Aug-05	28	<0.01	<0.02
	OC-GW-OW8a-K-082405	24-Aug-05	--	--	--
	OC1-OW8A-W-5-59	21-Feb-06	--	--	--
	OC-GW-OW8-022106	21-Feb-06	--	--	--
	OC-GW-OW8K-022106	21-Feb-06	--	--	--
	OW-8	13-Mar-06	<5.00	<10.0	<20.0
	OW-GW-OW-8-082406	24-Aug-06	--	--	--
	OW-GW-OW-8K-082406	24-Aug-06	--	--	--

OU2 Background Metals Groundwater Data

Groundwater Background Metals Data for Operable Unit 2 (OU2)
Baseline Human Health Risk Assessment
Omega Chemical Superfund Site

			Metals (ug/L)																												
Location	Sample Name	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Cyanide (total)	Dissolved Mercury	Hexavalent chromium	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silica (SiO2)	Silver	Sodium	Thallium	Vanadium	Zinc
		Region 9 PRG:	*36000 nc*	*15 nc*	*0.045 ca/ CalEPA 0.0071*	*2600 nc*	*73 nc*		*18 nc*		*Cr (III) 55000 nc*	*730 nc*	*1500 nc*	*730 nc*		*110 nc*	*11000 nc*			*880 nc*		*180 nc*	*730 nc*		*180 nc*		*180 nc*		*2.4 nc*	*36 nc*	*11000 nc*
		EPA MCL:		*6*	*10*	*200*	*4*		*5*		*100*		*1300*	*200*				*15*			*2*				*50*				*2*		
		CalDPH MCL/NL/AL:	*1000*	*6*	*10*	*1000*	*4*		*5*		*50*		*1300 AL*	*150*		*50*		*15 AL*			*2*		*100*		*50*				*2*	*50 NL*	
MW12	OC2-PMW12-0-1	7/6/2006	<1000	0.282 J	2.9	28.1	<0.50	538	<1.00	129,000	1.15	0.367 J	3.38	5.7 J	<0.50	1.29	<1000	<1.00	42,500	170	--	115	6.8	5,790	3.03	36,300	<1.00	92,300	<1.00	3.94	25.1
MW18A	OC2-PMW18A-0-22	7/10/2006	<1000	0.406 J	1.52	32.7	<0.50	386	<1.00	258,000	5.59	0.622	2.57	<10.0	<0.50	6.49	<1000	<1.00	76,300	0.532 J	--	3.26	0.434 J	8,900	27.9	30,300	<1.00	152,000	<1.00	3.99	7.44 J
MW18B	OC2-PMW18B-0-23	7/10/2006	<1000	<0.50	1.3	31.6	<0.50	302	<1.00	282,000	6.1	0.712	1.82	<10.0	<0.50	7.08	<1000	<1.00	94,600	<1.00	--	3.28	0.375 J	6,530	57	30,200	<1.00	127,000	<1.00	4.41	9.01 J
MW18C	OC2-PMW18C-0-24	7/10/2006	<1000	<0.50	1.66	177	<0.50	78	<1.00	67,600	1.01	<0.50	0.652	<10.0	<0.50	1.03	<1000	<1.00	24,300	3.22	--	4.94	<0.50	3,560	23.8	22,600	<1.00	40,400	<1.00	5.1	7.52 J
MW19	OC2-PMW19-0-34	7/12/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	OC2-PMW19-0-37	7/13/2006	<1000	0.382 J	1.56	15.6	<0.50	398	<1.00	188,000	0.36 J	1.94	1.76	<10.0	<0.50	--	<1000	<1.00	57,600	1,100	--	35.3	4.82	6,880	<1.00	25,700	<1.00	159,000	<1.00	1.93	38.5
MW21	OC2-PMW21-0-40	7/12/2006	<1000	<0.50	1.23	36.5	<0.50	293	<1.00	123,000	3.13	0.647	1.42	<10.0	<0.50	2.74	<1000	<1.00	27,800	7.42	--	1.96 J	1.46	4,870	6.98	24,100	<1.00	85,700	<1.00	3.12	13.3
MW22	OC2-PMW22-0-33	7/11/2006	<1000	<0.50	0.831	52	<0.50	373	<1.00	137,000	3.06	0.77	1.01	<10.0	<0.50	2.93	<1000	<1.00	31,800	122	--	2.77	1.55	4,720	8.51	23,400	<1.00	88,700	<1.00	1.7	6.25 J
OW7	OC2-OW7-W-0-28	6/16/2004	<200	<0.33 J	<0.97 J	26 J	<1.00	--	<0.21 J	192,000	4.8 J	0.34 J	1 J	<10.0	--	4.5	36.5 J	0.38 J	61,100	0.48 J-	<0.20	--	6	1,880 J	5.8	--	<1.00	61,700	<1.00	4	4.6 J-
	OC2-OW7-W-5-79	11/30/2004	<200	2	0.91 J	20.7	<1.00	--	<1.00	190,000	4.6	7.9	1.6 J	2.2 J	--	3.2	<100	0.09 J	58,200	2.3	<0.20	--	2.2	<1230 J	4.4 J	--	<1.00	74,800	<1.00	5.3	5.3

Summary Statistics and EPCs for OU2

Summary Statistics and Exposure Point Concentrations for Operable Unit 2 (OU2) Groundwater
Baseline Human Health Risk Assessment
Omega Chemical Superfund Site

Parameter	Chemical Group	ProUCL File #	Number of Detects	Number of Analyses	Frequency of Detects	Percent Detects	Units	Minimum Detected Value	Min Qualifier	Maximum Detected Value	Max Qualifier	Minimum Non-detected DL	Maximum Non-detected DL	Range of Detected Concentrations	Range of Nondetect Concentrations (1/2 DL)	Range of Detection Limits for Nondetects	Location of Maximum Detected Concentration	Depth of Maximum Detected Concentration	Qualifier of Maximum Detected Concentration	Arithmetic Mean Value	Standard Deviation	Exposure Point Concentration	EPC Basis	Exposure Point Concentration (may be Max)	EPC Basis (may be Max)
1,2,3-Trichloropropane	Emergents	1	7	83	7/83	8	mg/L	0.0000027	J	0.000087		0.000002	0.63	0.00000270 - 0.0000870	0.00000100 - 0.315	0.00000200 - 0.630	OW8A	.		0.0077	0.0379	0.0000136	95% KM (BCA) UCL	0.0000136	95% KM (BCA) UCL
1,4-Dioxane	Emergents	2	79	88	79/88	90	mg/L	0.0005	J	26		0.00047	0.001	0.000500 - 26.0	0.000235 - 0.000500	0.000470 - 0.00100	OW1A	.		1.21	3.53	3.56	97.5% KM (Chebyshev) UCL	3.56	97.5% KM (Chebyshev) UCL
N-Nitrosodimethylamine	Emergents	3	31	50	31/50	62	mg/L	0.0000019	J	0.0009		0.000002	0.01	0.00000190 - 0.000900	0.00000100 - 0.00500	0.00000200 - 0.0100	OW8A	.		0.00024	0.000994	0.000189	97.5% KM (Chebyshev) UCL	0.000189	97.5% KM (Chebyshev) UCL
Perchlorate	Emergents	4	42	44	42/44	95	mg/L	0.0013	J	0.0056		0.002	0.002	0.00130 - 0.00560	0.00100 - 0.00100	0.00200 - 0.00200	OW5	.		0.00298	0.00102	0.00324	95% KM (BCA) UCL	0.00324	95% KM (BCA) UCL
Aluminum	Metal	.	1	25	1/25	4	mg/L	0.331		0.331		0.02	0.2	0.331 - 0.331	0.0100 - 0.100	0.0200 - 0.200	OW5	.		0.0948	0.0595	0.147	Too Few Unique Detected Values	0.147	Too Few Unique Detected Values
Antimony	Metal	5	9	27	9/27	33	mg/L	0.0016	J	0.0019	J	0.002	0.06	0.00160 - 0.00190	0.00100 - 0.0300	0.00200 - 0.0600	MW5	.	J	0.00571	0.0104	0.00186	95% KM (t) UCL	0.00186	95% KM (t) UCL
Arsenic	Metal	6	26	30	26/30	87	mg/L	0.00064	J-	0.0647	J	0.001	0.005	0.000640 - 0.0647	0.000500 - 0.00250	0.00100 - 0.00500	OW8A	.	J	0.00413	0.0118	0.0135	95% KM (Chebyshev) UCL	0.0135	95% KM (Chebyshev) UCL
Barium	Metal	7	28	29	28/29	97	mg/L	0.013	J	0.0733	J	0.002	0.002	0.0130 - 0.0733	0.00100 - 0.00100	0.00200 - 0.00200	OW8A	.	J	0.0454	0.0173	0.051	95% KM (t) UCL	0.051	95% KM (t) UCL
Boron	Metal	8	6	6	6/6	100	mg/L	0.29		0.39		NA	NA	0.290 - 0.390	NA - NA	NA - NA	MW2	.		0.345	0.0378	0.376	95% Student's-t UCL	0.376	95% Student's-t UCL
Cadmium	Metal	9	4	28	4/28	14	mg/L	0.00007	J	0.0001	J	0.001	0.005	0.0000700 - 0.000100	0.000500 - 0.00250	0.00100 - 0.00500	OW5	.	J	0.000798	0.00075	0.000096	95% KM (t) UCL	0.000096	95% KM (t) UCL
Calcium	Metal	10	28	28	28/28	100	mg/L	140		286		NA	NA	140 - 286	NA - NA	NA - NA	OW8A	.		189	36.3	200	95% Approximate Gamma UCL	200	95% Approximate Gamma UCL
Chromium	Metal	11	23	30	23/30	77	mg/L	0.00075	J	0.0981	J	0.002	0.01	0.000750 - 0.0981	0.00100 - 0.00500	0.00200 - 0.0100	OW5	.	J	0.00949	0.0174	0.0166	95% KM (BCA) UCL	0.0166	95% KM (BCA) UCL
Cobalt	Metal	12	23	30	23/30	77	mg/L	0.00008	J	0.005		0.001	0.02	0.0000800 - 0.00500	0.000500 - 0.0100	0.00100 - 0.0200	OW4A	.		0.00148	0.00264	0.00197	97.5% KM (Chebyshev) UCL	0.00197	97.5% KM (Chebyshev) UCL
Copper	Metal	13	21	30	21/30	70	mg/L	0.00041	J	0.0068	J+	0.004	0.025	0.000410 - 0.00680	0.00200 - 0.0125	0.00400 - 0.0250	OW5	.	J+	0.00237	0.00322	0.00159	95% KM (BCA) UCL	0.00159	95% KM (BCA) UCL
Cyanide (total)	Metal	14	2	27	2/27	7	mg/L	0.002	J	0.0034	J	0.01	0.01	0.00200 - 0.00340	0.00500 - 0.00500	0.0100 - 0.0100	OW1A	.	J	0.00483	0.000644	0.00389	95% KM (t) UCL	0.0034	Maximum Result
Hexavalent chromium	Metal	15	45	49	45/49	92	mg/L	0.00057		0.0231		0.001	0.001	0.000570 - 0.0231	0.000500 - 0.000500	0.00100 - 0.00100	MW4A	.		0.00783	0.00522	0.00929	95% KM (BCA) UCL	0.00929	95% KM (BCA) UCL
Iron	Metal	16	12	30	12/30	40	mg/L	0.0345	J	2.62		0.1	0.1	0.0345 - 2.62	0.0500 - 0.0500	0.100 - 0.100	OW8A	.		0.504	0.86	0.772	95% KM (t) UCL	0.772	95% KM (t) UCL
Lead	Metal	17	15	28	15/28	54	mg/L	0.00004	J	0.00038	J	0.001	0.01	0.0000400 - 0.000380	0.000500 - 0.00500	0.00100 - 0.0100	OW4A	.	J	0.000694	0.00102	0.000203	95% KM (t) UCL	0.000203	95% KM (t) UCL
Magnesium	Metal	18	27	28	27/28	96	mg/L	40.1		100		49	49	40.1 - 100	24.5 - 24.5	49.0 - 49.0	OW8A	.		53.9	14.5	65.7	95% KM (Chebyshev) UCL	65.7	95% KM (Chebyshev) UCL
Manganese	Metal	19	18	28	18/28	64	mg/L	0.00037	J	4.01		0.0005	0.015	0.000370 - 4.01	0.000250 - 0.00750	0.000500 - 0.0150	OW8A	.		0.481	1.16	2.69	99% KM (Chebyshev) UCL	2.69	99% KM (Chebyshev) UCL
Mercury	Metal	20	11	29	11/29	38	mg/L	0.00002	J	0.00022		0.00003	0.0002	0.0000200 - 0.000220	0.0000150 - 0.000100	0.0000300 - 0.000200	OW8A	.		0.0000794	0.0000495	0.0000759	95% KM (t) UCL	0.0000759	95% KM (t) UCL
Molybdenum	Metal	21	3	7	3/7	43	mg/L	0.0045		0.0095		0.001	0.02	0.00450 - 0.00950	0.000500 - 0.0100	0.00100 - 0.0200	MW2	.		0.00719	0.00372	0.00851	95% KM (t) UCL	0.00851	95% KM (t) UCL
Nickel	Metal	22	26	30	26/30	87	mg/L	0.001		0.109	J+	0.002	0.02	0.00100 - 0.109	0.00100 - 0.0100	0.00200 - 0.0200	OW5	.	J+	0.01	0.0209	0.0336	97.5% KM (Chebyshev) UCL	0.0336	97.5% KM (Chebyshev) UCL
Potassium	Metal	23	12	28	12/28	43	mg/L	1.86	J	5.28		5	5	1.86 - 5.28	2.50 - 2.50	5.00 - 5.00	OW1A	.		2.7	0.733	3.3	95% KM (t) UCL	3.3	95% KM (t) UCL
Selenium	Metal	24	26	29	26/29	90	mg/L	0.001	J	0.227	J	0.002	0.005	0.00100 - 0.227	0.00100 - 0.00250	0.00200 - 0.00500	OW8A	.	J	0.0123	0.0414	0.0459	95% KM (Chebyshev) UCL	0.0459	95% KM (Chebyshev) UCL
Silica (SiO2)	Metal	25	4	4	4/4	100	mg/L	38	J	46	J	NA	NA	38.0 - 46.0	NA - NA	NA - NA	MW2	.	J	41.5	3.32	45.4	95% Student's-t UCL	45.4	95% Student's-t UCL
Sodium	Metal	26	28	28	28/28	100	mg/L	72.3		131		NA	NA	72.3 - 131	NA - NA	NA - NA	MW4A	.		97.8	14.8	103	95% Student's-t UCL	103	95% Student's-t UCL
Thallium	Metal	27	3	24	3/24	13	mg/L	0.0001	J	0.028		0.001	0.025	0.000100 - 0.0280	0.000500 - 0.0125	0.00100 - 0.0250	OW8A	.		0.00285	0.00628	0.00435	95% KM (t) UCL	0.00435	95% KM (t) UCL
Vanadium	Metal	28	22	29	22/29	76	mg/L	0.00041	J	0.0051		0.01	0.02	0.000410 - 0.00510	0.00500 - 0.0100	0.0100 - 0.0200	OW5	.		0.0044	0.00268	0.0038	95% KM (BCA) UCL	0.0038	95% KM (BCA) UCL
Zinc	Metal	29	23	30	23/30	77	mg/L	0.00047	J	0.015	J-	0.01	0.02	0.000470 - 0.0150	0.00500 - 0.0100	0.0100 - 0.0200	OW1A	.	J-	0.00461	0.00358	0.00495	95% KM (BCA) UCL	0.00495	95% KM (BCA) UCL
1,2,4-Trichlorobenzene	SVOC/VOC Combined	.	1	87	1/87	1	mg/L	0.00053	J	0.00053	J	0.0005	1	0.000530 - 0.000530	0.000250 - 0.500	0.000500 - 1.00	OW8A	.	J	0.0158	0.0759	0.0513	Too Few Unique Detected Values	0.00053	Maximum Result
1,2-Dichlorobenzene	SVOC/VOC Combined	30	8	87	8/87	9	mg/L	0.0002	J	0.028		0.0005	1	0.000200 - 0.0280	0.000250 - 0.500	0.000500 - 1.00	OW8A	.		0.0199	0.0787	0.0018	95% KM (t) UCL	0.0018	95% KM (t) UCL
1,3-Dichlorobenzene	SVOC/VOC Combined	31	5	87	5/87	6	mg/L	0.0003	J	0.0014		0.0005	1	0.000300 - 0.00140	0.000250 - 0.500	0.000500 - 1.00	OW8A	.		0.0184	0.0783	0.000424	95% KM (t) UCL	0.000424	95% KM (t) UCL
1,4-Dichlorobenzene	SVOC/VOC Combined	32	4	87	4/87	5	mg/L	0.0006	J	0.0017		0.0005	1	0.000600 - 0.00170	0.000250 - 0.500	0.000500 - 1.00	OW1A	.		0.0196	0.0788	0.000709	95% KM (t) UCL	0.000709	95% KM (t) UCL
Naphthalene	SVOC/VOC Combined	33	10	79	10/79	13	mg/L	0.00021	J	0.0019	J	0.0005	0.2	0.000210 - 0.00190	0.000250 - 0.100	0.000500 - 0.200	OW4A	.	J	0.00441	0.0136	0.000557	95% KM (t) UCL	0.000557	95% KM (t) UCL
1,1-Biphenyl	Semi-Volatile Organics	.	1	27	1/27	4	mg/L	0.0008	J	0.0008	J	0.005	0.005	0.000800 - 0.000800	0.00250 - 0.00250	0.00500 - 0.00500	OW4A	.	J	0.00244	0.000327	0.00271	Too Few Unique Detected Values	0.0008	Maximum Result
2-Methylnaphthalene	Semi-Volatile Organics	.	1	29	1/29	3	mg/L	0.0028	J	0.0028	J	0.005	0.01	0.00280 - 0.00280	0.00250 - 0.00500	0.00500 - 0.0100	OW4A	.	J	0.00268	0.000644	0.0032	Too Few Unique Detected Values	0.0028	Maximum Result
Acetophenone	Semi-Volatile Organics	34	2	27	2/27	7	mg/L	0.0022	J	0.0069		0.005	0.005	0.00220 - 0.00690	0.00250 - 0.00250	0.00500 - 0.00500	OW8A	.		0.00265	0.000851	0.00279	95% KM (t) UCL	0.00279	95% KM (t) UCL
Bis(2-ethylhexyl)phthalate (DEHP)	Semi-Volatile Organics	35	16	29	16/29	55	mg/L	0.00045	J	0.08		0.005	0.01	0.000450 - 0.0800	0.00250 - 0.00500	0.00500 - 0.0100	MW5	.		0.00624	0.0146	0.0115	95% KM (BCA) UCL	0.0115	95% KM (BCA) UCL
Caprolactam	Semi-Volatile Organics	36	3	27	3/27	11	mg/L	0.00015	J	0.028		0.005	0.005	0.000150 - 0.0280	0.00250 - 0.00250	0.00500 - 0.00500	OW1A	.		0.00367	0.00515	0.00382	95% KM (t) UCL	0.00382	95% KM (t) UCL
Di-n-butyl phthalate	Semi-Volatile Organics	.	2	29	2/29	7	mg/L	0.001	J	0.001	J	0.005	0.01	0.00100 - 0.00100	0.00250 - 0.00500	0.00500 - 0.0100	MW5	.	J	0.00257	0.000776	0.0032	Too Few Unique Detected Values	0.001	Maximum Result
Dimethyl phthalate	Semi-Volatile Organics	.	1	29	1/29	3	mg/L	0.00068	J	0.00068	J	0.005	0.01	0.000680 - 0.000680	0.00250 - 0.00500	0.00500 - 0.0100	OW8A	.	J	0.00261	0.000743	0.00321	Too Few Unique Detected Values	0.00068	Maximum Result
Isophorone	Semi-Volatile Organics	38	2	29	2/29	7	mg/L	0.0022	J	0.0049	J	0.005	0.01	0.00220 - 0.00490	0.00250 - 0.00500	0.00500 - 0.0100	OW8A	.	J	0.00274	0.00077	0.00585	95% KM (t) UCL	0.0049	Maximum Result
Pentachlorophenol	Semi-Volatile Organics	.	1	29	1/29	3	mg/L	0.0003	J	0.0003	J	0.005	0.02	0.000300 - 0.000300	0.00250 - 0.0100	0.00500 - 0.0200	OW8A	.	J	0.00294	0.002	0.00456	Too Few Unique Detected Values	0.0003	Maximum Result
Phenanthrene	Semi-Volatile Organics	.	1	29	1/29	3	mg/L	0.000069	J	0.000069	J	0.005	0.01	0.0000690 - 0.0000690	0.00250 - 0.00500	0.00500 - 0.0100	OW8A	.	J	0.00259	0.000806	0.00324	Too Few Unique Detected Values	0.000069	Maximum Result
Phenol	Semi-Volatile Organics	39	3	29	3/29	10	mg/L	0.0085	J	0.02		0.005	0.01	0.00850 - 0.0200	0.00250 - 0.00500	0.00500 - 0.0100	OW8A	.		0.00369	0.00368	0.00981	95% KM (t) UCL	0.00981	95% KM (t) UCL
1,1,1,2-Tetrachloroethane	Volatile Organics	40	6	52	6/52	12	mg/L	0.0014		0.022		0.0005	0.63	0.00140 - 0.0220	0.000250 - 0.315	0.000500 - 0.630	OW1A	.		0.0172	0.0539	0.00359	95% KM (t) UCL	0.00359	95% KM (t) UCL
1,1,1-Trichloroethane	Volatile Organics	41	61	88	61/88	69	mg/L	0.0002	J	14		0.0005	0.2	0.000200 - 14.0	0.000250 - 0.100	0.000500 - 0.200	OW1A	.		0.781	2.54	2.47	97.5% KM (Chebyshev) UCL	2.47	97.5% KM (Chebyshev) UCL
1,1,2,2-Tetrachloroethane	Volatile Organics	.	1	87	1/87	1	mg/L	0.00067	J	0.00067	J	0.0005	1	0.000670 - 0.000670	0.000250 - 0.500	0.000500 - 1.00	OW1A	.	J	0.0205	0.0828	0.0592	Too Few Unique Detected Values	0.00067	Maximum Result
1,1,2-Trichloroethane	Volatile Organics	42	35	87	35/87	40	mg/L	0.00012	J	2		0.0005	1	0.000120 - 2.00	0.000250 - 0.500	0.000500 - 1.00	OW1A	.		0.0452	0.223	0.179	97.5% KM (Chebyshev) UCL	0.179	97.5% KM (Chebyshev) UCL
1,1-Dichloroethane	Volatile Organics	43	62	88	62/88	70	mg/L	0.00037	J	0.15	J	0.0005	1	0.000370 - 0.150	0.000250 - 0.500	0.000500 - 1.00	OW8A	.	J	0.0337	0.0875	0.0378	97.5% KM (Chebyshev) UCL	0.0378	97.5% KM (Chebyshev) UCL
1,1-Dichloroethene	Volatile Organics	44	88	88	88/88	100	mg/L	0.014		5.1		NA	NA	0.0140 - 5.10	NA - NA	NA - NA	OW1A	.		0.896	0.766	1.04	95% Approximate Gamma UCL	1.04	95% Approximate Gamma UCL
1,2,4-Trimethylbenzene	Volatile Organics	45	3	52	3/52	6	mg/L	0.0042		0.052	J	0.0005	0.63	0.00420 - 0.0520	0.000250 - 0.315	0.000500 - 0.630	OW8A	.	J	0.0142	0.0476	0.00753	95% KM (t) UCL	0.00753	95% KM (t) UCL
1,2-Dibromo-3-chloropropane	Volatile Organics	.	1	77	1/77	1	mg/L	0.0055		0.0055		0.0005	1	0.00550 - 0.00550	0.000250 - 0.500	0.000500 - 1.00	OW4A	.		0.0273	0.0914	0.0727	Too Few Unique Detected Values	0.0055	Maximum Result
1,2-Dichloroethane	Volatile Organics	46	59	88	59/88	67	mg/L	0.00027	J	1.3		0.0002	1	0.000270 - 1.30	0.000100 - 0.500	0.000200 - 1.00	OW8A	.		0.0975	0.25	0.245	97.5% KM (Chebyshev) UCL	0.245	97.5% KM (Chebyshev) UCL
1,2-Dichloropropane	Volatile Organics	.	1	87	1/87	1	mg/L	0.0016	J	0.0016	J	0.0005	1	0.00160 - 0.00160	0.000250 - 0.500	0.000500 - 1.00	OW4A	.	J	0.0205	0.0828	0.0592	Too Few Unique Detected Values	0.0016	Maximum Result
1,3,5-Trimethylbenzene	Volatile Organics	47	2	52	2/52	4	mg/L	0.00096	J	0.0032	J	0.0005	0.63	0.000960 - 0.00320	0.000250 - 0.315	0.000500 - 0.630	OW8A	.	J	0.0148	0.0489	0.00117	95% KM (t) UCL	0.00117	95% KM (t) UCL
2-Butanone	Volatile Organics	48	4	60	4/60	7	mg/L	0.29		0.77		0.002	13	0.290 - 0.770	0.00100 - 6.50	0.00200 - 13.0	OW8A	.		0.367	1.23	0.327	95% KM (t) UCL	0.327	95% KM (t) UCL
2-Chlorotoluene	Volatile Organics	49	5	52	5/52	10	mg/L	0.0002	J	0.0006	J	0.0005	0.63	0.000200 - 0.000600	0.000250 - 0.315	0.000500 - 0.630	OW1A	.	J	0.0123	0.0474	0.00045	95% KM (t) UCL	0.00045	95% KM (t) UCL
4-Chlorotoluene	Volatile Organics	.	1	52	1/52	2	mg/L	0.00046	J	0.00046	J	0.0005	0.63	0.000460 - 0.000460	0.000250 - 0.315	0.000500 - 0.630	OW1A	.	J	0.0123	0.0474	0.041	Too Few Unique Detected Values	0.00046	Maximum Result
4-Methyl-2-pentanone	Volatile Organics	.	1	45	1/45	2	mg/L	0.078	J	0.078	J	0.004	13	0.0780 - 0.0780	0.00200 - 6.50	0.00400 - 13.0	OW8A	.	J	0.445	1.41	1.36	Too Few Unique Detected Values	0.078	Maximum Result
Acetone	Volatile Organics	50	23	88	23/88	26	mg/L	0.011		11		0.002	13	0.0110 - 11.0	0.00100 - 6.50	0.00200 - 13.0	OW8A	.		0.817	2.22	2.01	97.5% KM (Chebyshev) UCL	2.01	97.5% KM (Chebyshev) UCL
Benzene	Volatile Organics	51	44	88	44/88	50	mg/L	0.00014	J	0.18	J	0.0005	0.63	0.000140 - 0.180	0.000250 - 0.315	0.000500 - 0.630	OW1A	.	J	0.0134	0.0421	0.0192	97.5% KM (Chebyshev) UCL	0.0192	97.5% KM (Chebyshev) UCL
Bromochloromethane	Volatile Organics	.	1	87	1/87	1	mg/L	0.012	J	0.012	J	0.0005	1	0.0120 - 0.0120	0.000250 - 0.500	0.000500 - 1.00	OW8A	.	J	0.0206	0.0828	0.0593	Too Few Unique Detected Values	0.012	Maximum Result
Bromodichloromethane	Volatile Organics	52	2	87	2/87	2	mg/L	0.0004	J	0.001		0.0005	1	0.000400 - 0.00100	0.000250 - 0.500	0.000500 - 1.00	OW5	.		0.0205	0.0828	0.000442	95% KM (t) UCL	0.000442	95% KM (t) UCL
Bromoform	Volatile Organics	.	1	87	1/87	1	mg/L	0.0028		0.0028		0.0005	1.3	0.00280 - 0.00280	0.000250 - 0.650	0.000500 - 1.30	OW3A	.		0.0255	0.104	0.0739	Too Few Unique Detected Values	0.0028	Maximum Result
Bromomethane	Volatile Organics	53	2	86	2/86	2	mg/L	0.0056	J	0.18	J	0.0005	1.3	0.00560 - 0.180	0.000250 - 0.650	0.000500 - 1.30	OW1A	.	J	0.0221	0.092	0.0264	97.5% KM (Chebyshev) UCL	0.0264	97.5% KM (Chebyshev) UCL
Carbon disulfide	Volatile Organics	.	1	43	1/43	2	mg/L	0.24	J	0.24	J	0.0005	1	0.240 - 0.240	0.000250 - 0.500	0.000500 - 1.00	OW1A	.	J	0.0303	0.0952	0.0936	Too Few Unique Detected Values	0.0936	Too Few Unique Detected Values
Carbon tetrachloride	Volatile Organics	54	16	88	16/88	18	mg/L	0.00014	J	0.001		0.0002	1	0.000140 - 0.00100	0.000100 - 0.500	0.000200 - 1.00	OW1A	.		0.019	0.0819	0.000314	95% KM (t) UCL	0.000314	95% KM (t) UCL
Chlorobenzene	Volatile Organics	55	9	87	9/87	10	mg/L	0.002		0.5		0.0005	1	0.00200 - 0.500	0.000250 - 0.500	0.000500 - 1.00	OW1A	.	J	0.0244	0.0852	0.0351	95% KM (Chebyshev) UCL	0.0351	95% KM (Chebyshev) UCL
Chloroethane	Volatile Organics	.	1	86	1/86	1	mg/L	0.0002	J	0.0002	J	0.0005	1.3	0.000200 - 0.000200	0.000250 - 0.650	0.000500 - 1.30	OW1A	.	J	0.0258	0.104	0.0747	Too Few Unique Detected Values	0.0002	Maximum Result
Chloroform	Volatile Organics	56	85	88	85/88	97	mg/L	0.0029	J	2.8		0.02	0.63	0.00290 - 2.80	0.0100 - 0.315	0.0200 - 0.630	OW8A	.		0.243	0.515	0.582	97.5% KM (Chebyshev) UCL	0.582	97.5% KM (Chebyshev) UCL
Chloromethane	Volatile Organics	57	10	86	10/86	12	mg/L	0.0004	J	0.0046	J	0.0005	1.3	0.000400 - 0.00460	0.000250 - 0.650	0.000500 - 1.30	MW4A	.	J	0.0258	0.104	0.000972	95% KM (t) UCL	0.000972	95% KM (t) UCL
Cyclohexane	Volatile Organics	.	1	35	1/35	3	mg/L	0.00063		0.00063		0.0005	1	0.000630 - 0.000630	0.000250 - 0.500	0.000500 - 1.00	OW4A	.		0.0326	0.117	0.119	Too Few Unique Detected Values	0.00063	Maximum Result
Dibromochloromethane	Volatile Organics	58	4	87	4/87	5	mg/L	0.00054	J	0.016		0.0005	1	0.000540 - 0.0160	0.000250 - 0.500	0.000500 - 1.00	OW5	.		0.0207	0.0828	0.00119	95% KM (t) UCL	0.00119	95% KM (t) UCL
Dichlorodifluoromethane	Volatile Organics	59	34	87	34/87	39	mg/L	0.0003	J	0.0047		0.0005	1.3	0.000300 - 0.00470	0.000250 - 0.650	0.000500 - 1.30	MW15	.		0.0416	0.127	0.00156	95% KM (t) UCL	0.00156	95% KM (t) UCL
Dichlorofluoromethane	Volatile Organics	60	6	6	6/6	100	mg/L	0.0016	J	0.0097	J	NA	NA	0.00160 - 0.00970	NA - NA	NA - NA	MW2	.	J	0.00568	0.0035	0.00857	95% Student's-t UCL	0.00857	95% Student's-t UCL
Ethylbenzene	Volatile Organics	61	7	87	7/87	8	mg/L	0.000094	J	0.015	J	0.0005	1	0.0000940 - 0.0150	0.000250 - 0.500	0.000500 - 1.00	OW8A	.	J	0.0249	0.0852	0.00116	95% KM (t) UCL	0.00116	95% KM (t) UCL
Freon 11	Volatile Organics	62	83	88	83/88	94	mg/L	0.007		1		0.2	1.3	0.00700 - 1.00	0.100 - 0.650	0.200 - 1.30	OW2	.		0.272	0.207	0.358	95% KM (Chebyshev) UCL	0.358	95% KM (Chebyshev) UCL
Freon 113	Volatile Organics	63	83	88	83/88	94	mg/L	0.011		2.8		1	6.3	0.0110 - 2.80	0.500 - 3.15	1.00 - 6.30	OW8A	.		0.745	0.653	0.992	95% KM (Chebyshev) UCL	0.992	95% KM (Chebyshev) UCL
Isopropylbenzene	Volatile Organics	64	7	87	7/87	8	mg/L	0.00018	J	0.0024		0.0005	1	0.000180 - 0.00240	0.000250 - 0.500	0.000500 - 1.00	OW1A	.		0.0243	0.0853	0.00053	95% KM (t) UCL	0.00053	95% KM (t) UCL
Methyl acetate	Volatile Organics	.	1	35	1/35	3	mg/L	1.3		1.3		0.0005	1	1.30 - 1.30	0.000250 - 0.500	0.000500 - 1.00	OW8A	.		0.0683	0.244	0.248	Too Few Unique Detected Values	0.248	Too Few Unique Detected Values
Methyl tert-butyl ether (MTBE)	Volatile Organics	65	45	88	45/88	51	mg/L	0.0003	J	0.034	J	0.0005	1	0.000300 - 0.0340	0.000250 - 0.500	0.000500 - 1.00	MW4B	.	J	0.0239	0.0823	0.00468	95% KM (BCA) UCL	0.00468	95% KM (BCA) UCL
Methylcyclohexane	Volatile Organics	.	1	35	1/35	3	mg/L	0.00085		0.00085		0.0005	1	0.000850 - 0.000850	0.000250 - 0.500	0.000500 - 1.00	OW4A	.		0.0326	0.117	0.119	Too Few Unique Detected Values	0.00085	Maximum Result
Methylene chloride	Volatile Organics	66	25	88	25/88	28	mg/L	0.0003	J	11		0.00017	13	0.000300 - 11.0	0.0000850 - 6.50	0.000170 - 13.0	OW8A	.		0.691	2.05	1.93	97.5% KM (Chebyshev) UCL	1.93	97.5% KM (Chebyshev) UCL
Tetrachloroethene	Volatile Organics	67	88	88	88/88	100	mg/L	0.012		210	J	NA	NA	0.0120 - 210	NA - NA	NA - NA	OW1A	.	J	18.2	44.1	65	99% Chebyshev (Mean, Sd) UCL	65	99% Chebyshev (Mean, Sd) UCL
Tetrahydrofuran	Volatile Organics	.	2	2	2/2	100	mg/L	0.56		0.65		NA	NA	0.560 - 0.650	NA - NA	NA - NA	OW8A	.		0.605	0.0636	NA	Fewer Than Four Samples	0.65	Maximum Result
Toluene	Volatile Organics	68	18	87	18/87	21	mg/L	0.00014	J	1.3		0.0005	0.63	0.000140 - 1.30	0.000250 - 0.315	0.000500 - 0.630	OW8A	.		0.0499	0.167	0.0714	95% KM (t) UCL	0.0714	95% KM (t) UCL
Trichloroethene (TCE)	Volatile Organics	69	88	88	88/88	100	mg/L	0.0084		10		NA	NA	0.00840 - 10.0	NA - NA	NA - NA	OW1A	.		0.764	1.35	1.32	95% H-UCL	1.32	95% H-UCL
Vinyl chloride	Volatile Organics	70	4	87	4/87	5	mg/L	0.00064	J	0.0011	J	0.0002	1	0.000640 - 0.00110	0.000100 - 0.500	0.000200 - 1.00	OW8A	.	J	0.0196	0.0824	0.00068	95% KM (t) UCL	0.00068	95% KM (t) UCL
Xylene, m + p	Volatile Organics	71	6	52	6/52	12	mg/L	0.0003	J	0.13	J	0.0005	0.63	0.000300 - 0.130	0.000250 - 0.315	0.000500 - 0.630	OW8A	.	J	0.0174	0.0505	0.0101	95% KM (t) UCL	0.0101	95% KM (t) UCL
Xylene, o	Volatile Organics	72	9	52	9/52	17	mg/L	0.00025	J	0.081		0.0005	0.63	0.000250 - 0.0810	0.000250 - 0.315	0.000500 - 0.630	OW8A	.		0.019	0.0546	0.00812	95% KM (t) UCL	0.00812	95% KM (t) UCL
Xylenes (total)	Volatile Organics	73	2	35	2/35	6	mg/L	0.0015		0.075		0.0005	1	0.00150 - 0.0750	0.000250 - 0.500	0.000500 - 1.00	OW8A	.		0.0341	0.117	0.0356	99% KM (Chebyshev) UCL	0.0356	99% KM (Chebyshev) UCL
cis-1,2-Dichloroethene	Volatile Organics	74	54	88	54/88	61	mg/L	0.0004	J	0.048		0.0005	1	0.000400 - 0.0480	0.000250 - 0.500	0.000500 - 1.00	OW5	.		0.03	0.0838	0.0144	95% KM (Chebyshev) UCL	0.0144	95% KM (Chebyshev) UCL
n-Propylbenzene	Volatile Organics	75	5	52	5/52	10	mg/L	0.00035	J	0.0012	J	0.0005	0.63	0.000350 - 0.00120	0.000250 - 0.315	0.000500 - 0.630	OW8A	.	J	0.0186	0.0552	0.000517	95% KM (t) UCL	0.000517	95% KM (t) UCL
p-Isopropyltoluene	Volatile Organics	76	5	52	5/52	10	mg/L	0.00029	J	0.00086	J	0.0005	0.63	0.000290 - 0.000860	0.000250 - 0.315	0.000500 - 0.630	OW8A	.	J	0.0167	0.054	0.000478	95% KM (t) UCL	0.000478	95% KM (t) UCL
sec-Butylbenzene	Volatile Organics	77	4	52	4/52	8	mg/L	0.00026	J	0.00039	J	0.0005	0.63	0.000260 - 0.000390	0.000250 - 0.315	0.000500 - 0.630	OW8A	.	J	0.0128	0.0474	0.000357	95% KM (t) UCL	0.000357	95% KM (t) UCL
trans-1,2-Dichloroethene	Volatile Organics	78	50	87	50/87	57	mg/L	0.00025	J	0.13	J	0.0005	1	0.000250 - 0.130	0.000250 - 0.500	0.000500 - 1.00	OW8A	.	J	0.0308	0.0869	0.0308	97.5% KM (Chebyshev) UCL	0.0308	97.5% KM (Chebyshev) UCL

Note: When the EPC Basis reads "Two or Fewer Unique Detected Values", a Chebychev UCL was calculated using a proxy value of 1/2 the detetection limit for "ND" samples.

ProUCL Statistical Software Output Files for OU2 Groundwater Data

ProUCL | General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_1 1,2,3-Trichloropropane

General Statistics			
Number of Valid Samples	83	Number of Detected Data	7
Number of Unique Samples	7	Number of Non-Detect Data	76
		Percent Non-Detects	91.57%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.0027	Minimum Detected	-5.915
Maximum Detected	0.087	Maximum Detected	-2.442
Mean of Detected	0.0259	Mean of Detected	-4.543
SD of Detected	0.035	SD of Detected	1.432
Minimum Non-Detect	0.002	Minimum Non-Detect	-6.215
Maximum Non-Detect	630	Maximum Non-Detect	6.446
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	83
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.713	Lilliefors Test Statistic	0.825
5% Lilliefors Critical Value	0.803	5% Lilliefors Critical Value	0.803
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	7.699	Mean	-2.855
SD	37.87	SD	3.443
95% DL/2 (t) UCL	14.61	95% H-Stat (DL/2) UCL	318.8
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-7.228
		SD in Log Scale	1.822
		Mean in Original Scale	0.00393
		SD in Original Scale	0.0121
		95% Percentile Bootstrap UCL	0.00646
		95% BCA Bootstrap UCL	0.00732
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.485	Data appear Lognormal at 5% Significance Level	
Theta Star	0.0534		
nu star	6.789		
A-D Test Statistic	0.797	**Nonparametric Statistics**	
5% A-D Critical Value	0.74	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.74	Mean	0.0068
5% K-S Critical Value	0.324	SD	0.0158
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.00263
		95% KM (t) UCL	0.0112
Assuming Gamma Distribution		95% KM (z) UCL	0.0111
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.0104
Minimum	0	95% KM (bootstrap t) UCL	0.0328
Maximum	0.356	95% KM (BCA) UCL	0.0136
Mean	0.0947	95% KM (Percentile Bootstrap) UCL	0.0123
Median	0.0682	95% KM (Chebyshev) UCL	0.0183
SD	0.0965	97.5% KM (Chebyshev) UCL	0.0232
k star	0.234	99% KM (Chebyshev) UCL	0.033
Theta star	0.405		
Nu star	38.78	**Potential UCLs to Use**	
AppChi2	25.52	95% KM (BCA) UCL	0.0136
95% Gamma Approximate UCL	0.144		
95% Adjusted Gamma UCL	0.145		

Note: DL/2 is not a recommended method.

ProUCL | General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_2 1,4-Dioxane (p-dioxane)

General Statistics

Number of Valid Samples	88	Number of Detected Data		79
Number of Unique Samples	68	Number of Non-Detect Data		9
		Percent Non-Detects	10.23%	

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.0005	Minimum Detected	-7.601
Maximum Detected	26	Maximum Detected	3.258
Mean of Detected	1.345	Mean of Detected	-2.96
SD of Detected	3.708	SD of Detected	2.688
Minimum Non-Detect	0.00047	Minimum Non-Detect	-7.663
Maximum Non-Detect	0.001	Maximum Non-Detect	-6.908

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	12
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	76
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	13.64%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.418	Lilliefors Test Statistic	0.143
5% Lilliefors Critical Value	0.0997	5% Lilliefors Critical Value	0.0997
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1.208	Mean	-3.475
SD	3.535	SD	2.975
95% DL/2 (t) UCL	1.834	95% H-Stat (DL/2) UCL	11.45
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	0.827	Mean in Log Scale	-3.563
SD	3.852	SD in Log Scale	3.126
95% MLE (t) UCL	1.51	Mean in Original Scale	1.208
95% MLE (Tiku) UCL	1.468	SD in Original Scale	3.535
		95% Percentile Bootstrap UCL	1.855
		95% BCA Bootstrap UCL	2.135

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	0.222	Data do not follow a Discernable Distribution (0.05)
Theta Star	6.054	
nu star	35.12	
A-D Test Statistic	7.958	
5% A-D Critical Value	0.9	
K-S Test Statistic	0.9	
5% K-S Critical Value	0.111	
Data not Gamma Distributed at 5% Significance Level		

		Nonparametric Statistics	
Assuming Gamma Distribution		Kaplan-Meier (KM) Method	
Gamma ROS Statistics using Extrapolated Data		Mean	1.208
Minimum	0	SD	3.515
Maximum	26	SE of Mean	0.377
Mean	1.208	95% KM (t) UCL	1.835
Median	0.026	95% KM (z) UCL	1.828
SD	3.535	95% KM (jackknife) UCL	1.834
k star	0.156	95% KM (bootstrap t) UCL	2.282
Theta star	7.719	95% KM (BCA) UCL	1.946
Nu star	27.54	95% KM (Percentile Bootstrap) UCL	1.89
AppChi2	16.57	95% KM (Chebyshev) UCL	2.851
95% Gamma Approximate UCL	2.007	97.5% KM (Chebyshev) UCL	3.563
95% Adjusted Gamma UCL	2.025	99% KM (Chebyshev) UCL	4.96
		Potential UCLs to Use	
		97.5% KM (Chebyshev) UCL	3.563

Note: DL/2 is not a recommended method.

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_3 N-Nitrosodimethylamine

General Statistics

Number of Valid Samples	50	Number of Detected Data	31
Number of Unique Samples	25	Number of Non-Detect Data	19
		Percent Non-Detects	38.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.0019	Minimum Detected	-6.266
Maximum Detected	0.9	Maximum Detected	-0.105
Mean of Detected	0.0636	Mean of Detected	-4.925
SD of Detected	0.2	SD of Detected	1.553
Minimum Non-Detect	0.002	Minimum Non-Detect	-6.215
Maximum Non-Detect	10	Maximum Non-Detect	2.303

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	50
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.347	Shapiro Wilk Test Statistic	0.693
5% Shapiro Wilk Critical Value	0.929	5% Shapiro Wilk Critical Value	0.929
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.24	Mean	-5.338
SD	0.994	SD	2.1
95% DL/2 (t) UCL	0.476	95% H-Stat (DL/2) UCL	0.187
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-5.828
		SD in Log Scale	1.789
		Mean in Original Scale	0.0399
		SD in Original Scale	0.16
		95% Percentile Bootstrap UCL	0.0807
		95% BCA Bootstrap UCL	0.102
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.306	Data do not follow a Discernable Distribution (0.05)	
Theta Star	0.208		
nu star	18.98		
A-D Test Statistic	6.828	**Nonparametric Statistics**	
5% A-D Critical Value	0.851	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.851	Mean	0.0418
5% K-S Critical Value	0.171	SD	0.161
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.0236
		95% KM (t) UCL	0.0814
Assuming Gamma Distribution		95% KM (z) UCL	0.0806
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.0812
Minimum	0	95% KM (bootstrap t) UCL	0.211
Maximum	0.9	95% KM (BCA) UCL	0.0794
Mean	0.0507	95% KM (Percentile Bootstrap) UCL	0.0853
Median	0.004	95% KM (Chebyshev) UCL	0.145
SD	0.171	97.5% KM (Chebyshev) UCL	0.189
k star	0.132	99% KM (Chebyshev) UCL	0.277
Theta star	0.384		
Nu star	13.23	**Potential UCLs to Use**	
AppChi2	6.046	97.5% KM (Chebyshev) UCL	0.189
95% Gamma Approximate UCL	0.111		
95% Adjusted Gamma UCL	0.114		

Note: DL/2 is not a recommended method.

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_4 Perchlorate

General Statistics

Number of Valid Samples	44	Number of Detected Data	42
Number of Unique Samples	24	Number of Non-Detect Data	2
		Percent Non-Detects	4.55%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.0013	Minimum Detected	-6.645
Maximum Detected	0.0056	Maximum Detected	-5.185
Mean of Detected	0.00307	Mean of Detected	-5.835
SD of Detected	0.000948	SD of Detected	0.321
Minimum Non-Detect	0.002	Minimum Non-Detect	-6.215
Maximum Non-Detect	0.002	Maximum Non-Detect	-6.215

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.927	Shapiro Wilk Test Statistic	0.934
5% Shapiro Wilk Critical Value	0.942	5% Shapiro Wilk Critical Value	0.942
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.00298	Mean	-5.883
SD	0.00102	SD	0.386
95% DL/2 (t) UCL	0.00323	95% H-Stat (DL/2) UCL	0.0034
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	0.00296	Mean in Log Scale	-5.857
SD	0.00105	SD in Log Scale	0.33
95% MLE (t) UCL	0.00322	Mean in Original Scale	0.00301
95% MLE (Tiku) UCL	0.00323	SD in Original Scale	0.00096461
		95% Percentile Bootstrap UCL	0.00324
		95% BCA Bootstrap UCL	0.00326

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	9.776	Data appear Gamma Distributed at 5% Significance Level
Theta Star	0.0003139	
nu star	821.2	
A-D Test Statistic	0.27	
5% A-D Critical Value	0.748	
K-S Test Statistic	0.748	
5% K-S Critical Value	0.136	
Data appear Gamma Distributed at 5% Significance Level		

Assuming Gamma Distribution		**Nonparametric Statistics**	
Gamma ROS Statistics using Extrapolated Data		Kaplan-Meier (KM) Method	
Minimum	0.0013	Mean	0.00301
Maximum	0.0056	SD	0.0009595
Mean	0.003	SE of Mean	0.0001466
Median	0.003	95% KM (t) UCL	0.00325
SD	0.000974	95% KM (z) UCL	0.00325
k star	8.86	95% KM (jackknife) UCL	0.00325
Theta star	0.0003392	95% KM (bootstrap t) UCL	0.00326
Nu star	779.7	95% KM (BCA) UCL	0.00324
AppChi2	715.9	95% KM (Percentile Bootstrap) UCL	0.00326
95% Gamma Approximate UCL	0.00327	95% KM (Chebyshev) UCL	0.00365
95% Adjusted Gamma UCL	0.00328	97.5% KM (Chebyshev) UCL	0.00392
		99% KM (Chebyshev) UCL	0.00447
		Potential UCLs to Use	
		95% KM (BCA) UCL	0.00324

Note: DL/2 is not a recommended method.

ProUCL | General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_5 Antimony

General Statistics

Number of Valid Samples	27	Number of Detected Data	9
Number of Unique Samples	4	Number of Non-Detect Data	18
		Percent Non-Detects	66.67%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.0016	Minimum Detected	-6.438
Maximum Detected	0.0019	Maximum Detected	-6.266
Mean of Detected	0.0018	Mean of Detected	-6.321
SD of Detected	0.0001	SD of Detected	0.0569
Minimum Non-Detect	0.002	Minimum Non-Detect	-6.215
Maximum Non-Detect	0.06	Maximum Non-Detect	-2.813

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	27
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.853	Shapiro Wilk Test Statistic	0.845
5% Shapiro Wilk Critical Value	0.829	5% Shapiro Wilk Critical Value	0.829
Data appear Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.00571	Mean	-6.149
SD	0.0104	SD	1.184
95% DL/2 (t) UCL	0.00911	95% H-Stat (DL/2) UCL	0.0169
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-6.321
		SD in Log Scale	0.051
		Mean in Original Scale	0.0018
		SD in Original Scale	0.000091058
		95% Percentile Bootstrap UCL	0.00183
		95% BCA Bootstrap UCL	0.00183

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	235.7	Data appear Normal at 5% Significance Level
Theta Star	0	
nu star	4242	
A-D Test Statistic	0.665	
5% A-D Critical Value	0.72	
K-S Test Statistic	0.72	
5% K-S Critical Value	0.279	
Data follow Appr. Gamma Distribution at 5% Significance Level		

Assuming Gamma Distribution		**Nonparametric Statistics**	
Gamma ROS Statistics using Extrapolated Data		Kaplan-Meier (KM) Method	
Minimum	0.00158	Mean	0.0018
Maximum	0.00191	SD	0.000094281
Mean	0.0018	SE of Mean	0.000033333
Median	0.0018	95% KM (t) UCL	0.00186
SD	9.262E-05	95% KM (z) UCL	0.00185
k star	338.2	95% KM (jackknife) UCL	0.00186
Theta star	0	95% KM (bootstrap t) UCL	0.00185
Nu star	18264	95% KM (BCA) UCL	0.00184
AppChi2	17950	95% KM (Percentile Bootstrap) UCL	0.00185
95% Gamma Approximate UCL	0.00183	95% KM (Chebyshev) UCL	0.00195
95% Adjusted Gamma UCL	0.00183	97.5% KM (Chebyshev) UCL	0.00201
		99% KM (Chebyshev) UCL	0.00213
		Potential UCLs to Use	
		95% KM (t) UCL	0.00186
		95% KM (Percentile Bootstrap) UCL	0.00185

Note: DL/2 is not a recommended method.

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_6 Arsenic

General Statistics

Number of Valid Samples	30	Number of Detected Data	26
Number of Unique Samples	20	Number of Non-Detect Data	4
		Percent Non-Detects	13.33%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.00064	Minimum Detected	-7.354
Maximum Detected	0.0647	Maximum Detected	-2.738
Mean of Detected	0.00445	Mean of Detected	-6.397
SD of Detected	0.0127	SD of Detected	0.989
Minimum Non-Detect	0.001	Minimum Non-Detect	-6.908
Maximum Non-Detect	0.005	Maximum Non-Detect	-5.298

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	28
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	2
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	93.33%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.302	Shapiro Wilk Test Statistic	0.696
5% Shapiro Wilk Critical Value	0.92	5% Shapiro Wilk Critical Value	0.92
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.00413	Mean	-6.397
SD	0.0118	SD	0.954
95% DL/2 (t) UCL	0.00779	95% H-Stat (DL/2) UCL	0.00514
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-6.441
		SD in Log Scale	0.944
		Mean in Original Scale	0.00404
		SD in Original Scale	0.0118
		95% Percentile Bootstrap UCL	0.00814
		95% BCA Bootstrap UCL	0.0116

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	0.578	Data do not follow a Discernable Distribution (0.05)
Theta Star	0.0077	
nu star	30.08	
A-D Test Statistic	5.198	
5% A-D Critical Value	0.796	
K-S Test Statistic	0.796	
5% K-S Critical Value	0.18	
Data not Gamma Distributed at 5% Significance Level		

Assuming Gamma Distribution		**Nonparametric Statistics**	
Gamma ROS Statistics using Extrapolated Data		Kaplan-Meier (KM) Method	
Minimum	0.00064	Mean	0.00402
Maximum	0.0647	SD	0.0116
Mean	0.00447	SE of Mean	0.00217
Median	0.0016	95% KM (t) UCL	0.0077
SD	0.0118	95% KM (z) UCL	0.00759
k star	0.659	95% KM (jackknife) UCL	0.00769
Theta star	0.00678	95% KM (bootstrap t) UCL	0.0543
Nu star	39.56	95% KM (BCA) UCL	0.00841
AppChi2	26.15	95% KM (Percentile Bootstrap) UCL	0.0081
95% Gamma Approximate UCL	0.00677	95% KM (Chebyshev) UCL	0.0135
95% Adjusted Gamma UCL	0.00693	97.5% KM (Chebyshev) UCL	0.0175
		99% KM (Chebyshev) UCL	0.0256
		Potential UCLs to Use	
		95% KM (Chebyshev) UCL	0.0135

Note: DL/2 is not a recommended method.

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_7 Barium

General Statistics

Number of Valid Samples	29	Number of Detected Data	28
Number of Unique Samples	26	Number of Non-Detect Data	1
		Percent Non-Detects	3.45%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.013	Minimum Detected	-4.343
Maximum Detected	0.0733	Maximum Detected	-2.613
Mean of Detected	0.047	Mean of Detected	-3.124
SD of Detected	0.0153	SD of Detected	0.406
Minimum Non-Detect	0.002	Minimum Non-Detect	-6.215
Maximum Non-Detect	0.002	Maximum Non-Detect	-6.215

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.961	Shapiro Wilk Test Statistic	0.875
5% Shapiro Wilk Critical Value	0.924	5% Shapiro Wilk Critical Value	0.924
Data appear Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0454	Mean	-3.255
SD	0.0173	SD	0.808
95% DL/2 (t) UCL	0.0509	95% H-Stat (DL/2) UCL	0.0752
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	0.0453	Mean in Log Scale	-3.157
SD	0.0174	SD in Log Scale	0.436
95% MLE (t) UCL	0.0508	Mean in Original Scale	0.046
95% MLE (Tiku) UCL	0.0509	SD in Original Scale	0.016
		95% Percentile Bootstrap UCL	0.0509
		95% BCA Bootstrap UCL	0.0505
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	6.8	**Data appear Normal at 5% Significance Level**	
Theta Star	0.00692		
nu star	380.8		
A-D Test Statistic	0.897	**Nonparametric Statistics**	
5% A-D Critical Value	0.747	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.747	Mean	0.0459
5% K-S Critical Value	0.166	SD	0.016
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.00303
		95% KM (t) UCL	0.051
Assuming Gamma Distribution		95% KM (z) UCL	0.0508
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.0509
Minimum	0.00542	95% KM (bootstrap t) UCL	0.0505
Maximum	0.0733	95% KM (BCA) UCL	0.051
Mean	0.0456	95% KM (Percentile Bootstrap) UCL	0.0509
Median	0.047	95% KM (Chebyshev) UCL	0.0591
SD	0.0169	97.5% KM (Chebyshev) UCL	0.0648
k star	4.297	99% KM (Chebyshev) UCL	0.076
Theta star	0.0106		
Nu star	249.3	**Potential UCLs to Use**	
AppChi2	213.7	95% KM (t) UCL	0.051
95% Gamma Approximate UCL	0.0532	95% KM (Percentile Bootstrap) UCL	0.0509
95% Adjusted Gamma UCL	0.0537		

Note: DL/2 is not a recommended method.

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_8 Boron

General Statistics			
Number of Valid Samples	6	Number of Unique Samples	6
Raw Statistics		**Log-transformed Statistics**	
Minimum	0.29	Minimum of Log Data	-1.238
Maximum	0.39	Maximum of Log Data	-0.942
Mean	0.345	Mean of log Data	-1.069
Median	0.355	SD of log Data	0.113
SD	0.0378		
Coefficient of Variation	0.11		
Skewness	-0.549		
Relevant UCL Statistics			
Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.941	Shapiro Wilk Test Statistic	0.929
Shapiro Wilk Critical Value	0.788	Shapiro Wilk Critical Value	0.788
Data appear Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	0.376	95% H-UCL	0.382
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	0.414
95% Adjusted-CLT UCL	0.367	97.5% Chebyshev (MVUE) UCL	0.444
95% Modified-t UCL	0.376	99% Chebyshev (MVUE) UCL	0.503
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	48.38	Data appear Normal at 5% Significance Level	
Theta Star	0.00713		
nu star	580.6		
Approximate Chi Square Value (.05)	525.7	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0122	95% CLT UCL	0.37
Adjusted Chi Square Value	506.7	95% Jackknife UCL	0.376
		95% Standard Bootstrap UCL	0.368
Anderson-Darling Test Statistic	0.322	95% Bootstrap-t UCL	0.37
Anderson-Darling 5% Critical Value	0.696	95% Hall's Bootstrap UCL	0.363
Kolmogorov-Smirnov Test Statistic	0.236	95% Percentile Bootstrap UCL	0.367
Kolmogorov-Smirnov 5% Critical Value	0.332	95% BCA Bootstrap UCL	0.365
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	0.412
		97.5% Chebyshev(Mean, Sd) UCL	0.441
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	0.499
95% Approximate Gamma UCL	0.381		
95% Adjusted Gamma UCL	0.395		
Potential UCL to Use		Use 95% Student's-t UCL	0.376

ProUCL | General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_9 Cadmium

General Statistics

Number of Valid Samples	28	Number of Detected Data	4
Number of Unique Samples	4	Number of Non-Detect Data	24
		Percent Non-Detects	85.71%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.07	Minimum Detected	-2.659
Maximum Detected	0.1	Maximum Detected	-2.303
Mean of Detected	0.085	Mean of Detected	-2.474
SD of Detected	0.0129	SD of Detected	0.154
Minimum Non-Detect	1	Minimum Non-Detect	0
Maximum Non-Detect	5	Maximum Non-Detect	1.609

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	28
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.994	Shapiro Wilk Test Statistic	0.992
5% Shapiro Wilk Critical Value	0.748	5% Shapiro Wilk Critical Value	0.748
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.798	Mean	-0.619
SD	0.75	SD	0.96
95% DL/2 (t) UCL	1.039	95% H-Stat (DL/2) UCL	2.723
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-2.474
		SD in Log Scale	0.165
		Mean in Original Scale	0.0854
		SD in Original Scale	0.0141
		95% Percentile Bootstrap UCL	0.0898
		95% BCA Bootstrap UCL	0.0898

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	14.45	**Data appear Normal at 5% Significance Level**	
Theta Star	0.00588		
nu star	115.6		
A-D Test Statistic	0.202	**Nonparametric Statistics**	
5% A-D Critical Value	0.656	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.656	Mean	0.085
5% K-S Critical Value	0.394	SD	0.0112
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.00645
		95% KM (t) UCL	0.096
Assuming Gamma Distribution		95% KM (z) UCL	0.0956
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.0975
Minimum	0.0487	95% KM (bootstrap t) UCL	0.0991
Maximum	0.102	95% KM (BCA) UCL	0.096
Mean	0.0841	95% KM (Percentile Bootstrap) UCL	0.0967
Median	0.087	95% KM (Chebyshev) UCL	0.113
SD	0.0138	97.5% KM (Chebyshev) UCL	0.125
k star	30.6	99% KM (Chebyshev) UCL	0.149
Theta star	0.00275		
Nu star	1714	**Potential UCLs to Use**	
AppChi2	1619	95% KM (t) UCL	0.096
95% Gamma Approximate UCL	0.0891	95% KM (Percentile Bootstrap) UCL	0.0967
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_10 Calcium

General Statistics			
Number of Valid Samples	28	Number of Unique Samples	24
Raw Statistics		**Log-transformed Statistics**	
Minimum	140	Minimum of Log Data	4.942
Maximum	286	Maximum of Log Data	5.656
Mean	188.7	Mean of log Data	5.224
Median	181	SD of log Data	0.179
SD	36.34		
Coefficient of Variation	0.193		
Skewness	1.328		
Relevant UCL Statistics			
Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.879	Shapiro Wilk Test Statistic	0.935
Shapiro Wilk Critical Value	0.924	Shapiro Wilk Critical Value	0.924
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	200.4	95% H-UCL	200.4
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	216.5
95% Adjusted-CLT UCL	201.9	97.5% Chebyshev (MVUE) UCL	228.6
95% Modified-t UCL	200.7	99% Chebyshev (MVUE) UCL	252.4
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	27.83	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	6.78		
nu star	1559		
Approximate Chi Square Value (.05)	1468	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0404	95% CLT UCL	200
Adjusted Chi Square Value	1462	95% Jackknife UCL	200.4
		95% Standard Bootstrap UCL	199.9
Anderson-Darling Test Statistic	0.706	95% Bootstrap-t UCL	203.9
Anderson-Darling 5% Critical Value	0.744	95% Hall's Bootstrap UCL	205.4
Kolmogorov-Smirnov Test Statistic	0.135	95% Percentile Bootstrap UCL	200.6
Kolmogorov-Smirnov 5% Critical Value	0.165	95% BCA Bootstrap UCL	202.4
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	218.6
		97.5% Chebyshev(Mean, Sd) UCL	231.6
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	257
95% Approximate Gamma UCL	200.4		
95% Adjusted Gamma UCL	201.1		
Potential UCL to Use		Use 95% Approximate Gamma UCL	200.4

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_11 Chromium

General Statistics			
Number of Valid Samples	30	Number of Detected Data	23
Number of Unique Samples	20	Number of Non-Detect Data	7
		Percent Non-Detects	23.33%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.00075	Minimum Detected	-7.195
Maximum Detected	0.0981	Maximum Detected	-2.322
Mean of Detected	0.0117	Mean of Detected	-4.915
SD of Detected	0.0193	SD of Detected	0.876
Minimum Non-Detect	0.002	Minimum Non-Detect	-6.215
Maximum Non-Detect	0.01	Maximum Non-Detect	-4.605
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	26
For all methods (except KM, DL/2, and ROS Methods).		Number treated as Detected	4
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	86.67%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.402	Shapiro Wilk Test Statistic	0.88
5% Shapiro Wilk Critical Value	0.914	5% Shapiro Wilk Critical Value	0.914
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.00949	Mean	-5.273
SD	0.0174	SD	1.07
95% DL/2 (t) UCL	0.0149	95% H-Stat (DL/2) UCL	0.0174
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-5.222
		SD in Log Scale	0.997
		Mean in Original Scale	0.00956
		SD in Original Scale	0.0173
		95% Percentile Bootstrap UCL	0.0155
		95% BCA Bootstrap UCL	0.019
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.077	Data do not follow a Discernable Distribution (0.05)	
Theta Star	0.0109		
nu star	49.52		
A-D Test Statistic	2.001	**Nonparametric Statistics**	
5% A-D Critical Value	0.766	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.766	Mean	0.00947
5% K-S Critical Value	0.186	SD	0.0171
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.0032
		95% KM (t) UCL	0.0149
Assuming Gamma Distribution		95% KM (z) UCL	0.0147
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.0146
Minimum	0	95% KM (bootstrap t) UCL	0.0271
Maximum	0.0981	95% KM (BCA) UCL	0.0166
Mean	0.0099	95% KM (Percentile Bootstrap) UCL	0.0156
Median	0.00735	95% KM (Chebyshev) UCL	0.0234
SD	0.0175	97.5% KM (Chebyshev) UCL	0.0294
k star	0.326	99% KM (Chebyshev) UCL	0.0413
Theta star	0.0304		
Nu star	19.55	**Potential UCLs to Use**	
AppChi2	10.52	95% KM (BCA) UCL	0.0166
95% Gamma Approximate UCL	0.0184		
95% Adjusted Gamma UCL	0.0191		

Note: DL/2 is not a recommended method.

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_12 Cobalt

General Statistics

Number of Valid Samples	30	Number of Detected Data	23
Number of Unique Samples	21	Number of Non-Detect Data	7
		Percent Non-Detects	23.33%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.08	Minimum Detected	-2.526
Maximum Detected	5	Maximum Detected	1.609
Mean of Detected	0.759	Mean of Detected	-1.046
SD of Detected	1.14	SD of Detected	1.211
Minimum Non-Detect	1	Minimum Non-Detect	0
Maximum Non-Detect	20	Maximum Non-Detect	2.996

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	30
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.634	Shapiro Wilk Test Statistic	0.92
5% Shapiro Wilk Critical Value	0.914	5% Shapiro Wilk Critical Value	0.914
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1.482	Mean	-0.687
SD	2.639	SD	1.419
95% DL/2 (t) UCL	2.301	95% H-Stat (DL/2) UCL	7.786
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-1.12
		SD in Log Scale	1.1
		Mean in Original Scale	0.651
		SD in Original Scale	1.015
		95% Percentile Bootstrap UCL	0.957
		95% BCA Bootstrap UCL	1.115

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	0.702	Data appear Lognormal at 5% Significance Level
Theta Star	1.082	
nu star	32.28	
A-D Test Statistic	1.255	
5% A-D Critical Value	0.781	
K-S Test Statistic	0.781	
5% K-S Critical Value	0.188	
Data not Gamma Distributed at 5% Significance Level		

Assuming Gamma Distribution		**Nonparametric Statistics**	
Gamma ROS Statistics using Extrapolated Data		Kaplan-Meier (KM) Method	
Minimum	0	Mean	0.682
Maximum	5	SD	1.048
Mean	0.757	SE of Mean	0.207
Median	0.354	95% KM (t) UCL	1.033
SD	1.022	95% KM (z) UCL	1.022
k star	0.473	95% KM (jackknife) UCL	1.033
Theta star	1.6	95% KM (bootstrap t) UCL	1.296
Nu star	28.38	95% KM (BCA) UCL	1.046
AppChi2	17.22	95% KM (Percentile Bootstrap) UCL	1.064
95% Gamma Approximate UCL	1.247	95% KM (Chebyshev) UCL	1.583
95% Adjusted Gamma UCL	1.285	97.5% KM (Chebyshev) UCL	1.973
		99% KM (Chebyshev) UCL	2.738
		Potential UCLs to Use	
		97.5% KM (Chebyshev) UCL	1.973

Note: DL/2 is not a recommended method.

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_13 Copper

General Statistics

Number of Valid Samples	30	Number of Detected Data	21
Number of Unique Samples	17	Number of Non-Detect Data	9
		Percent Non-Detects	30.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.00041	Minimum Detected	-7.799
Maximum Detected	0.0068	Maximum Detected	-4.991
Mean of Detected	0.00109	Mean of Detected	-7.14
SD of Detected	0.0014	SD of Detected	0.676
Minimum Non-Detect	0.004	Minimum Non-Detect	-5.521
Maximum Non-Detect	0.025	Maximum Non-Detect	-3.689

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	30
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.473	Shapiro Wilk Test Statistic	0.798
5% Shapiro Wilk Critical Value	0.908	5% Shapiro Wilk Critical Value	0.908
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.00237	Mean	-6.649
SD	0.00322	SD	1.029
95% DL/2 (t) UCL	0.00336	95% H-Stat (DL/2) UCL	0.00958
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-7.15
		SD in Log Scale	0.596
		Mean in Original Scale	0.00101
		SD in Original Scale	0.00118
		95% Percentile Bootstrap UCL	0.00138
		95% BCA Bootstrap UCL	0.00162
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.49	Data do not follow a Discernable Distribution (0.05)	
Theta Star	0.0007341		
nu star	62.58		
A-D Test Statistic	2.321	**Nonparametric Statistics**	
5% A-D Critical Value	0.756	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.756	Mean	0.00105
5% K-S Critical Value	0.192	SD	0.00127
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.00026424
		95% KM (t) UCL	0.0015
Assuming Gamma Distribution		95% KM (z) UCL	0.00148
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.0015
Minimum	0.00041	95% KM (bootstrap t) UCL	0.00229
Maximum	0.0068	95% KM (BCA) UCL	0.00159
Mean	0.0011	95% KM (Percentile Bootstrap) UCL	0.00153
Median	0.00085	95% KM (Chebyshev) UCL	0.0022
SD	0.00116	97.5% KM (Chebyshev) UCL	0.0027
k star	2.155	99% KM (Chebyshev) UCL	0.00368
Theta star	0.0005087		
Nu star	129.3	**Potential UCLs to Use**	
AppChi2	104.1	95% KM (BCA) UCL	0.00159
95% Gamma Approximate UCL	0.00136		
95% Adjusted Gamma UCL	0.00138		

Note: DL/2 is not a recommended method.

ProUCL

General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_14 Cyanide (total)

General Statistics

Number of Valid Samples	27	Number of Detected Data	2
Number of Unique Samples	2	Number of Non-Detect Data	25
		Percent Non-Detects	92.59%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.002	Minimum Detected	-6.215
Maximum Detected	0.0034	Maximum Detected	-5.684
Mean of Detected	0.0027	Mean of Detected	-5.949
SD of Detected	0.00099	SD of Detected	0.375
Minimum Non-Detect	0.01	Minimum Non-Detect	-4.605
Maximum Non-Detect	0.01	Maximum Non-Detect	-4.605

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	1	Shapiro Wilk Test Statistic	1
5% Shapiro Wilk Critical Value	N/A	5% Shapiro Wilk Critical Value	N/A
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.00483	Mean	-5.347
SD	0.0006438	SD	0.189
95% DL/2 (t) UCL	0.00504	95% H-Stat (DL/2) UCL	0.0061
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	N/A
		SD in Log Scale	N/A
		Mean in Original Scale	N/A
		SD in Original Scale	N/A
		95% Percentile Bootstrap UCL	N/A
		95% BCA Bootstrap UCL	N/A

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	N/A	Data do not follow a Discernable Distribution (0.05)
Theta Star	N/A	
nu star	N/A	
A-D Test Statistic	0.359	
5% A-D Critical Value	N/A	
K-S Test Statistic	N/A	
5% K-S Critical Value	N/A	
Data not Gamma Distributed at 5% Significance Level		

Assuming Gamma Distribution		**Nonparametric Statistics**	
Gamma ROS Statistics using Extrapolated Data		Kaplan-Meier (KM) Method	
Minimum	N/A	Mean	0.0027
Maximum	N/A	SD	0.0007
Mean	N/A	SE of Mean	0.0007
Median	N/A	95% KM (t) UCL	0.00389
SD	N/A	95% KM (z) UCL	0.00385
k star	N/A	95% KM (jackknife) UCL	0.00436
Theta star	N/A	95% KM (bootstrap t) UCL	1.7977E+308
Nu star	N/A	95% KM (BCA) UCL	0.0034
AppChi2	N/A	95% KM (Percentile Bootstrap) UCL	0.0034
95% Gamma Approximate UCL	N/A	95% KM (Chebyshev) UCL	0.00575
95% Adjusted Gamma UCL	N/A	97.5% KM (Chebyshev) UCL	0.00707
		99% KM (Chebyshev) UCL	0.00966
		Potential UCLs to Use	
		95% KM (t) UCL	0.00389
		95% KM (% Bootstrap) UCL	0.0034

Warning: Recommended UCL exceeds the maximum observation

Note: DL/2 is not a recommended method.

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_15 Hexavalent chromium

General Statistics

Number of Valid Samples	49	Number of Detected Data	45
Number of Unique Samples	40	Number of Non-Detect Data	4
		Percent Non-Detects	8.16%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.00057	Minimum Detected	-7.47
Maximum Detected	0.0231	Maximum Detected	-3.768
Mean of Detected	0.00848	Mean of Detected	-4.958
SD of Detected	0.00494	SD of Detected	0.683
Minimum Non-Detect	0.001	Minimum Non-Detect	-6.908
Maximum Non-Detect	0.001	Maximum Non-Detect	-6.908

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.918	Shapiro Wilk Test Statistic	0.932
5% Shapiro Wilk Critical Value	0.945	5% Shapiro Wilk Critical Value	0.945
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.00783	Mean	-5.173
SD	0.00522	SD	0.981
95% DL/2 (t) UCL	0.00908	95% H-Stat (DL/2) UCL	0.0128
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	0.0076	Mean in Log Scale	-5.073
SD	0.00557	SD in Log Scale	0.763
95% MLE (t) UCL	0.00894	Mean in Original Scale	0.00793
95% MLE (Tiku) UCL	0.00894	SD in Original Scale	0.00508
		95% Percentile Bootstrap UCL	0.0092
		95% BCA Bootstrap UCL	0.00932

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	2.645	Data appear Gamma Distributed at 5% Significance Level
Theta Star	0.00321	
nu star	238	
A-D Test Statistic	0.436	**Nonparametric Statistics**
5% A-D Critical Value	0.756	Kaplan-Meier (KM) Method
K-S Test Statistic	0.756	Mean 0.00784
5% K-S Critical Value	0.133	SD 0.00516
Data appear Gamma Distributed at 5% Significance Level		SE of Mean 0.00074508
		95% KM (t) UCL 0.00909
Assuming Gamma Distribution		95% KM (z) UCL 0.00906
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL 0.00902
Minimum 0		95% KM (bootstrap t) UCL 0.00914
Maximum 0.0231		95% KM (BCA) UCL 0.00929
Mean 0.00784		95% KM (Percentile Bootstrap) UCL 0.00921
Median 0.0076		95% KM (Chebyshev) UCL 0.0111
SD 0.00521		97.5% KM (Chebyshev) UCL 0.0125
k star 0.694		99% KM (Chebyshev) UCL 0.0152
Theta star 0.0113		
Nu star 68.03		**Potential UCLs to Use**
AppChi2 50.05		95% KM (BCA) UCL 0.00929
95% Gamma Approximate UCL 0.0107		
95% Adjusted Gamma UCL 0.0108		

Note: DL/2 is not a recommended method.

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_16 Iron

General Statistics

Number of Valid Samples	30	Number of Detected Data	12
Number of Unique Samples	12	Number of Non-Detect Data	18
		Percent Non-Detects	60.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.0345	Minimum Detected	-3.367
Maximum Detected	2.62	Maximum Detected	0.963
Mean of Detected	1.184	Mean of Detected	-0.817
SD of Detected	1.052	SD of Detected	1.892
Minimum Non-Detect	0.1	Minimum Non-Detect	-2.303
Maximum Non-Detect	0.1	Maximum Non-Detect	-2.303

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.849	Shapiro Wilk Test Statistic	0.768
5% Shapiro Wilk Critical Value	0.859	5% Shapiro Wilk Critical Value	0.859
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.504	Mean	-2.124
SD	0.86	SD	1.593
95% DL/2 (t) UCL	0.77	95% H-Stat (DL/2) UCL	1.283
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-2.106
		SD in Log Scale	1.866
		Mean in Original Scale	0.531
		SD in Original Scale	0.848
		95% Percentile Bootstrap UCL	0.784
		95% BCA Bootstrap UCL	0.848

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	0.523	Data Follow Appr. Gamma Distribution at 5% Significance Level
Theta Star	2.264	
nu star	12.55	
A-D Test Statistic	1.089	**Nonparametric Statistics**
5% A-D Critical Value	0.775	Kaplan-Meier (KM) Method
K-S Test Statistic	0.775	Mean 0.497
5% K-S Critical Value	0.257	SD 0.849
Data follow Appr. Gamma Distribution at 5% Significance Level		SE of Mean 0.162
		95% KM (t) UCL 0.772
Assuming Gamma Distribution		95% KM (z) UCL 0.763
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL 0.765
Minimum	0	95% KM (bootstrap t) UCL 0.823
Maximum	2.62	95% KM (BCA) UCL 0.757
Mean	0.989	95% KM (Percentile Bootstrap) UCL 0.772
Median	1.071	95% KM (Chebyshev) UCL 1.203
SD	0.779	97.5% KM (Chebyshev) UCL 1.508
k star	0.354	99% KM (Chebyshev) UCL 2.108
Theta star	2.795	
Nu star	21.23	**Potential UCLs to Use**
AppChi2	11.76	95% KM (t) UCL 0.772
95% Gamma Approximate UCL	1.785	
95% Adjusted Gamma UCL	1.849	

Note: DL/2 is not a recommended method.

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_17 Lead

General Statistics

Number of Valid Samples	28	Number of Detected Data	15
Number of Unique Samples	11	Number of Non-Detect Data	13
		Percent Non-Detects	46.43%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.04	Minimum Detected	-3.219
Maximum Detected	0.38	Maximum Detected	-0.968
Mean of Detected	0.163	Mean of Detected	-1.962
SD of Detected	0.0923	SD of Detected	0.571
Minimum Non-Detect	1	Minimum Non-Detect	0
Maximum Non-Detect	10	Maximum Non-Detect	2.303

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	28
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.889	Shapiro Wilk Test Statistic	0.966
5% Shapiro Wilk Critical Value	0.881	5% Shapiro Wilk Critical Value	0.881
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.694	Mean	-1.055
SD	1.019	SD	1.174
95% DL/2 (t) UCL	1.022	95% H-Stat (DL/2) UCL	6.098
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-1.962
		SD in Log Scale	0.482
		Mean in Original Scale	0.157
		SD in Original Scale	0.0767
		95% Percentile Bootstrap UCL	0.182
		95% BCA Bootstrap UCL	0.183

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	2.918	**Data appear Normal at 5% Significance Level**	
Theta Star	0.0557		
nu star	87.55		
A-D Test Statistic	0.336	**Nonparametric Statistics**	
5% A-D Critical Value	0.742	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.742	Mean	0.163
5% K-S Critical Value	0.223	SD	0.0892
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0238
		95% KM (t) UCL	0.203
Assuming Gamma Distribution		95% KM (z) UCL	0.202
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.204
Minimum	0.04	95% KM (bootstrap t) UCL	0.226
Maximum	0.38	95% KM (BCA) UCL	0.203
Mean	0.166	95% KM (Percentile Bootstrap) UCL	0.204
Median	0.16	95% KM (Chebyshev) UCL	0.267
SD	0.0764	97.5% KM (Chebyshev) UCL	0.312
k star	4.295	99% KM (Chebyshev) UCL	0.4
Theta star	0.0386		
Nu star	240.5	**Potential UCLs to Use**	
AppChi2	205.6	95% KM (t) UCL	0.203
95% Gamma Approximate UCL	0.194	95% KM (Percentile Bootstrap) UCL	0.204
95% Adjusted Gamma UCL	0.196		

Note: DL/2 is not a recommended method.

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_18 Magnesium

General Statistics

Number of Valid Samples	28	Number of Detected Data	27
Number of Unique Samples	25	Number of Non-Detect Data	1
		Percent Non-Detects	3.57%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	40.1	Minimum Detected	3.691
Maximum Detected	100	Maximum Detected	4.605
Mean of Detected	55.01	Mean of Detected	3.985
SD of Detected	13.55	SD of Detected	0.205
Minimum Non-Detect	49	Minimum Non-Detect	3.892
Maximum Non-Detect	49	Maximum Non-Detect	3.892

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.709	Shapiro Wilk Test Statistic	0.825
5% Shapiro Wilk Critical Value	0.923	5% Shapiro Wilk Critical Value	0.923
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	53.92	Mean	3.957
SD	14.49	SD	0.25
95% DL/2 (t) UCL	58.59	95% H-Stat (DL/2) UCL	59.5
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	51.46	Mean in Log Scale	3.978
SD	16.82	SD in Log Scale	0.204
95% MLE (t) UCL	56.87	Mean in Original Scale	54.64
95% MLE (Tiku) UCL	57.33	SD in Original Scale	13.44
		95% Percentile Bootstrap UCL	58.85
		95% BCA Bootstrap UCL	59.93

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	19.76	Data do not follow a Discernable Distribution (0.05)	
Theta Star	2.784		
nu star	1067		
A-D Test Statistic	1.729	**Nonparametric Statistics**	
5% A-D Critical Value	0.744	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.744	Mean	54.67
5% K-S Critical Value	0.168	SD	13.18
Data not Gamma Distributed at 5% Significance Level		SE of Mean	2.541
		95% KM (t) UCL	59
Assuming Gamma Distribution		95% KM (z) UCL	58.85
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	58.99
Minimum	40.1	95% KM (bootstrap t) UCL	63.29
Maximum	100	95% KM (BCA) UCL	59.17
Mean	54.7	95% KM (Percentile Bootstrap) UCL	58.92
Median	50.9	95% KM (Chebyshev) UCL	65.74
SD	13.4	97.5% KM (Chebyshev) UCL	70.54
k star	20.12	99% KM (Chebyshev) UCL	79.95
Theta star	2.718		
Nu star	1127	**Potential UCLs to Use**	
AppChi2	1050	95% KM (Chebyshev) UCL	65.74
95% Gamma Approximate UCL	58.7		
95% Adjusted Gamma UCL	58.96		

Note: DL/2 is not a recommended method.

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_19 Manganese

General Statistics

Number of Valid Samples	28	Number of Detected Data	18
Number of Unique Samples	18	Number of Non-Detect Data	10
		Percent Non-Detects	35.71%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.00037	Minimum Detected	-7.902
Maximum Detected	4.01	Maximum Detected	1.389
Mean of Detected	0.748	Mean of Detected	-4.188
SD of Detected	1.394	SD of Detected	3.504
Minimum Non-Detect	0.0005	Minimum Non-Detect	-7.601
Maximum Non-Detect	0.015	Maximum Non-Detect	-4.2
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	21
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	7
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	75.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.591	Shapiro Wilk Test Statistic	0.833
5% Shapiro Wilk Critical Value	0.897	5% Shapiro Wilk Critical Value	0.897
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.481	Mean	-5.213
SD	1.164	SD	3.205
95% DL/2 (t) UCL	0.856	95% H-Stat (DL/2) UCL	56.19
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-5.965
		SD in Log Scale	3.912
		Mean in Original Scale	0.481
		SD in Original Scale	1.164
		95% Percentile Bootstrap UCL	0.869
		95% BCA Bootstrap UCL	1.009
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.196	Data do not follow a Discernable Distribution (0.05)	
Theta Star	3.823		
nu star	7.042		
A-D Test Statistic	1.778	**Nonparametric Statistics**	
5% A-D Critical Value	0.888	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.888	Mean	0.481
5% K-S Critical Value	0.226	SD	1.143
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.222
		95% KM (t) UCL	0.86
Assuming Gamma Distribution		95% KM (z) UCL	0.847
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.856
Minimum	0.00037	95% KM (bootstrap t) UCL	1.084
Maximum	4.01	95% KM (BCA) UCL	0.87
Mean	0.58	95% KM (Percentile Bootstrap) UCL	0.896
Median	0.117	95% KM (Chebyshev) UCL	1.45
SD	1.142	97.5% KM (Chebyshev) UCL	1.869
k star	0.255	99% KM (Chebyshev) UCL	2.693
Theta star	2.278		
Nu star	14.27	**Potential UCLs to Use**	
AppChi2	6.756	99% KM (Chebyshev) UCL	2.693
95% Gamma Approximate UCL	1.226		
95% Adjusted Gamma UCL	1.287		

Note: DL/2 is not a recommended method.

ProUCL | General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_20 Mercury

General Statistics

Number of Valid Samples	29	Number of Detected Data	11
Number of Unique Samples	7	Number of Non-Detect Data	18
		Percent Non-Detects	62.07%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.02	Minimum Detected	-3.912
Maximum Detected	0.22	Maximum Detected	-1.514
Mean of Detected	0.0689	Mean of Detected	-3.033
SD of Detected	0.0698	SD of Detected	0.83
Minimum Non-Detect	0.03	Minimum Non-Detect	-3.507
Maximum Non-Detect	0.2	Maximum Non-Detect	-1.609

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	28
For all methods (except KM, DL/2, and ROS Methods).		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	96.55%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.697	Shapiro Wilk Test Statistic	0.859
5% Shapiro Wilk Critical Value	0.85	5% Shapiro Wilk Critical Value	0.85
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0794	Mean	-2.776
SD	0.0495	SD	0.781
95% DL/2 (t) UCL	0.0951	95% H-Stat (DL/2) UCL	0.227
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-3.343
		SD in Log Scale	0.78
		Mean in Original Scale	0.0491
		SD in Original Scale	0.0493
		95% Percentile Bootstrap UCL	0.0645
		95% BCA Bootstrap UCL	0.0683

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	1.181	Data appear Lognormal at 5% Significance Level
Theta Star	0.0584	
nu star	25.98	
A-D Test Statistic	0.957	
5% A-D Critical Value	0.742	
K-S Test Statistic	0.742	
5% K-S Critical Value	0.26	
Data not Gamma Distributed at 5% Significance Level		

Assuming Gamma Distribution		**Nonparametric Statistics**	
Gamma ROS Statistics using Extrapolated Data		Kaplan-Meier (KM) Method	
Minimum	0	Mean	0.052
Maximum	0.22	SD	0.0544
Mean	0.0723	SE of Mean	0.014
Median	0.05	95% KM (t) UCL	0.0759
SD	0.0627	95% KM (z) UCL	0.0751
k star	0.377	95% KM (jackknife) UCL	0.076
Theta star	0.192	95% KM (bootstrap t) UCL	0.109
Nu star	21.88	95% KM (BCA) UCL	0.0782
AppChi2	12.25	95% KM (Percentile Bootstrap) UCL	0.0766
95% Gamma Approximate UCL	0.129	95% KM (Chebyshev) UCL	0.113
95% Adjusted Gamma UCL	0.134	97.5% KM (Chebyshev) UCL	0.14
		99% KM (Chebyshev) UCL	0.192
		Potential UCLs to Use	
		95% KM (t) UCL	0.0759
		95% KM (% Bootstrap) UCL	0.0766

Note: DL/2 is not a recommended method.

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_21 Molybdenum

General Statistics

Number of Valid Samples	7	Number of Detected Data	3
Number of Unique Samples	3	Number of Non-Detect Data	4
		Percent Non-Detects	57.14%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.0045	Minimum Detected	-5.404
Maximum Detected	0.0095	Maximum Detected	-4.656
Mean of Detected	0.0066	Mean of Detected	-5.07
SD of Detected	0.00259	SD of Detected	0.38
Minimum Non-Detect	0.001	Minimum Non-Detect	-6.908
Maximum Non-Detect	0.02	Maximum Non-Detect	-3.912

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	7
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.929	Shapiro Wilk Test Statistic	0.967
5% Shapiro Wilk Critical Value	0.767	5% Shapiro Wilk Critical Value	0.767
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.00719	Mean	-5.232
SD	0.00372	SD	1.092
95% DL/2 (t) UCL	0.00992	95% H-Stat (DL/2) UCL	0.247
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-5.332
		SD in Log Scale	0.522
		Mean in Original Scale	0.00539
		SD in Original Scale	0.00261
		95% Percentile Bootstrap UCL	0.00693
		95% BCA Bootstrap UCL	0.00701

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	N/A	**Data appear Normal at 5% Significance Level**
Theta Star	N/A	
nu star	N/A	
A-D Test Statistic	0.309	**Nonparametric Statistics**
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method
K-S Test Statistic	N/A	Mean 0.00608
5% K-S Critical Value	N/A	SD 0.00205
Data not Gamma Distributed at 5% Significance Level		SE of Mean 0.00125
		95% KM (t) UCL 0.00851
Assuming Gamma Distribution		95% KM (z) UCL 0.00814
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL 0.00854
Minimum	N/A	95% KM (bootstrap t) UCL 0.0109
Maximum	N/A	95% KM (BCA) UCL 0.0095
Mean	N/A	95% KM (Percentile Bootstrap) UCL 0.0095
Median	N/A	95% KM (Chebyshev) UCL 0.0115
SD	N/A	97.5% KM (Chebyshev) UCL 0.0139
k star	N/A	99% KM (Chebyshev) UCL 0.0185
Theta star	N/A	
Nu star	N/A	**Potential UCLs to Use**
AppChi2	N/A	95% KM (t) UCL 0.00851
95% Gamma Approximate UCL	N/A	95% KM (Percentile Bootstrap) UCL 0.0095
95% Adjusted Gamma UCL	N/A	

Note: DL/2 is not a recommended method.

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_22 Nickel

General Statistics			
Number of Valid Samples	30	Number of Detected Data	26
Number of Unique Samples	26	Number of Non-Detect Data	4
		Percent Non-Detects	13.33%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.001	Minimum Detected	-6.908
Maximum Detected	0.109	Maximum Detected	-2.216
Mean of Detected	0.0106	Mean of Detected	-5.35
SD of Detected	0.0224	SD of Detected	1.054
Minimum Non-Detect	0.002	Minimum Non-Detect	-6.215
Maximum Non-Detect	0.02	Maximum Non-Detect	-3.912
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	28
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	2
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	93.33%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.414	Shapiro Wilk Test Statistic	0.895
5% Shapiro Wilk Critical Value	0.92	5% Shapiro Wilk Critical Value	0.92
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.01	Mean	-5.35
SD	0.0209	SD	1.039
95% DL/2 (t) UCL	0.0165	95% H-Stat (DL/2) UCL	0.018
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-5.42
		SD in Log Scale	1.022
		Mean in Original Scale	0.00959
		SD in Original Scale	0.021
		95% Percentile Bootstrap UCL	0.0164
		95% BCA Bootstrap UCL	0.02
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.689	Data do not follow a Discernable Distribution (0.05)	
Theta Star	0.0153		
nu star	35.83		
A-D Test Statistic	2.664	**Nonparametric Statistics**	
5% A-D Critical Value	0.784	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.784	Mean	0.00962
5% K-S Critical Value	0.178	SD	0.0206
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.00384
		95% KM (t) UCL	0.0161
Assuming Gamma Distribution		95% KM (z) UCL	0.0159
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.0161
Minimum	0	95% KM (bootstrap t) UCL	0.0442
Maximum	0.109	95% KM (BCA) UCL	0.017
Mean	0.01	95% KM (Percentile Bootstrap) UCL	0.0163
Median	0.0036	95% KM (Chebyshev) UCL	0.0264
SD	0.021	97.5% KM (Chebyshev) UCL	0.0336
k star	0.481	99% KM (Chebyshev) UCL	0.0479
Theta star	0.0208		
Nu star	28.86	**Potential UCLs to Use**	
AppChi2	17.6	97.5% KM (Chebyshev) UCL	0.0336
95% Gamma Approximate UCL	0.0164		
95% Adjusted Gamma UCL	0.0169		

Note: DL/2 is not a recommended method.

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_23 Potassium

General Statistics

Number of Valid Samples	28	Number of Detected Data	12
Number of Unique Samples	11	Number of Non-Detect Data	16
		Percent Non-Detects	57.14%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	1.86	Minimum Detected	0.621
Maximum Detected	5.28	Maximum Detected	1.664
Mean of Detected	2.977	Mean of Detected	1.037
SD of Detected	1.085	SD of Detected	0.331
Minimum Non-Detect	5	Minimum Non-Detect	1.609
Maximum Non-Detect	5	Maximum Non-Detect	1.609

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.847	Shapiro Wilk Test Statistic	0.903
5% Shapiro Wilk Critical Value	0.859	5% Shapiro Wilk Critical Value	0.859
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	2.704	Mean	0.968
SD	0.733	SD	0.22
95% DL/2 (t) UCL	2.94	95% H-Stat (DL/2) UCL	4.148
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	1.003
		SD in Log Scale	0.292
		Mean in Original Scale	2.846
		SD in Original Scale	0.887
		95% Percentile Bootstrap UCL	3.126
		95% BCA Bootstrap UCL	3.163

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	7.191	**Data Follow Appr. Gamma Distribution at 5% Significance Level**
Theta Star	0.414	
nu star	172.6	
A-D Test Statistic	0.682	**Nonparametric Statistics**
5% A-D Critical Value	0.73	Kaplan-Meier (KM) Method
K-S Test Statistic	0.73	Mean 2.857
5% K-S Critical Value	0.245	SD 0.919
Data follow Appr. Gamma Distribution at 5% Significance Level		SE of Mean 0.262
		95% KM (t) UCL 3.303
Assuming Gamma Distribution		95% KM (z) UCL 3.287
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL 3.314
Minimum 1.86		95% KM (bootstrap t) UCL 3.56
Maximum 5.28		95% KM (BCA) UCL 3.332
Mean 2.988		95% KM (Percentile Bootstrap) UCL 3.307
Median 2.976		95% KM (Chebyshev) UCL 3.998
SD 0.698		97.5% KM (Chebyshev) UCL 4.491
k star 19.27		99% KM (Chebyshev) UCL 5.461
Theta star 0.155		
Nu star 1079		**Potential UCLs to Use**
AppChi2 1004		95% KM (t) UCL 3.303
95% Gamma Approximate UCL 3.212		
95% Adjusted Gamma UCL 3.227		

Note: DL/2 is not a recommended method.

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_24 Selenium

General Statistics

Number of Valid Samples	29	Number of Detected Data	26
Number of Unique Samples	24	Number of Non-Detect Data	3
		Percent Non-Detects	10.34%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.001	Minimum Detected	-6.908
Maximum Detected	0.227	Maximum Detected	-1.483
Mean of Detected	0.0135	Mean of Detected	-5.267
SD of Detected	0.0436	SD of Detected	0.92
Minimum Non-Detect	0.002	Minimum Non-Detect	-6.215
Maximum Non-Detect	0.005	Maximum Non-Detect	-5.298

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	18
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	11
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	62.07%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.243	Shapiro Wilk Test Statistic	0.729
5% Shapiro Wilk Critical Value	0.92	5% Shapiro Wilk Critical Value	0.92
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0123	Mean	-5.373
SD	0.0414	SD	0.936
95% DL/2 (t) UCL	0.0254	95% H-Stat (DL/2) UCL	0.0121
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-5.357
		SD in Log Scale	0.927
		Mean in Original Scale	0.0124
		SD in Original Scale	0.0413
		95% Percentile Bootstrap UCL	0.0276
		95% BCA Bootstrap UCL	0.0358

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	0.589	Data do not follow a Discernable Distribution (0.05)
Theta Star	0.0229	
nu star	30.63	
A-D Test Statistic	5.272	**Nonparametric Statistics**
5% A-D Critical Value	0.795	Kaplan-Meier (KM) Method
K-S Test Statistic	0.795	Mean 0.0124
5% K-S Critical Value	0.179	SD 0.0406
Data not Gamma Distributed at 5% Significance Level		SE of Mean 0.00769
		95% KM (t) UCL 0.0255
Assuming Gamma Distribution		95% KM (z) UCL 0.025
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL 0.0254
Minimum 0		95% KM (bootstrap t) UCL 0.184
Maximum 0.227		95% KM (BCA) UCL 0.0282
Mean 0.0124		95% KM (Percentile Bootstrap) UCL 0.0278
Median 0.0043		95% KM (Chebyshev) UCL 0.0459
SD 0.0414		97.5% KM (Chebyshev) UCL 0.0604
k star 0.336		99% KM (Chebyshev) UCL 0.0889
Theta star 0.0368		
Nu star 19.48		**Potential UCLs to Use**
AppChi2 10.47		95% KM (Chebyshev) UCL 0.0459
95% Gamma Approximate UCL 0.023		
95% Adjusted Gamma UCL 0.0239		

Note: DL/2 is not a recommended method.

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_25 Silica (SiO2)

General Statistics			
Number of Valid Samples	4	Number of Unique Samples	3
Raw Statistics		**Log-transformed Statistics**	
Minimum	38	Minimum of Log Data	3.638
Maximum	46	Maximum of Log Data	3.829
Mean	41.5	Mean of log Data	3.723
Median	41	SD of log Data	0.0788
SD	3.317		
Coefficient of Variation	0.0799		
Skewness	0.877		
Relevant UCL Statistics			
Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.916	Shapiro Wilk Test Statistic	0.925
Shapiro Wilk Critical Value	0.748	Shapiro Wilk Critical Value	0.748
Data appear Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	45.4	95% H-UCL	N/A
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	48.62
95% Adjusted-CLT UCL	45	97.5% Chebyshev (MVUE) UCL	51.71
95% Modified-t UCL	45.52	99% Chebyshev (MVUE) UCL	57.76
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	53.39	Data appear Normal at 5% Significance Level	
Theta Star	0.777		
nu star	427.1		
Approximate Chi Square Value (.05)	380.2	**Nonparametric Statistics**	
Adjusted Level of Significance	N/A	95% CLT UCL	44.23
Adjusted Chi Square Value	N/A	95% Jackknife UCL	45.4
		95% Standard Bootstrap UCL	43.9
Anderson-Darling Test Statistic	0.37	95% Bootstrap-t UCL	45.33
Anderson-Darling 5% Critical Value	0.657	95% Hall's Bootstrap UCL	60.58
Kolmogorov-Smirnov Test Statistic	0.311	95% Percentile Bootstrap UCL	43.5
Kolmogorov-Smirnov 5% Critical Value	0.394	95% BCA Bootstrap UCL	43.5
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	48.73
		97.5% Chebyshev(Mean, Sd) UCL	51.86
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	58
95% Approximate Gamma UCL	46.62		
95% Adjusted Gamma UCL	N/A		
Potential UCL to Use		Use 95% Student's-t UCL	45.4

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_26 Sodium

General Statistics			
Number of Valid Samples	28	Number of Unique Samples	26
Raw Statistics		**Log-transformed Statistics**	
Minimum	72.3	Minimum of Log Data	4.281
Maximum	131	Maximum of Log Data	4.875
Mean	97.84	Mean of log Data	4.573
Median	95.6	SD of log Data	0.148
SD	14.81		
Coefficient of Variation	0.151		
Skewness	0.637		
Relevant UCL Statistics			
Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.931	Shapiro Wilk Test Statistic	0.951
Shapiro Wilk Critical Value	0.924	Shapiro Wilk Critical Value	0.924
Data appear Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	102.6	95% H-UCL	102.8
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	109.8
95% Adjusted-CLT UCL	102.8	97.5% Chebyshev (MVUE) UCL	115
95% Modified-t UCL	102.7	99% Chebyshev (MVUE) UCL	125.2
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	41.81	Data appear Normal at 5% Significance Level	
Theta Star	2.34		
nu star	2341		
Approximate Chi Square Value (.05)	2230	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0404	95% CLT UCL	102.4
Adjusted Chi Square Value	2223	95% Jackknife UCL	102.6
		95% Standard Bootstrap UCL	102.4
Anderson-Darling Test Statistic	0.674	95% Bootstrap-t UCL	103
Anderson-Darling 5% Critical Value	0.743	95% Hall's Bootstrap UCL	102.8
Kolmogorov-Smirnov Test Statistic	0.182	95% Percentile Bootstrap UCL	102.1
Kolmogorov-Smirnov 5% Critical Value	0.165	95% BCA Bootstrap UCL	102.6
Data follow Appr. Gamma Distribution at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	110
		97.5% Chebyshev(Mean, Sd) UCL	115.3
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	125.7
95% Approximate Gamma UCL	102.7		
95% Adjusted Gamma UCL	103		
Potential UCL to Use		Use 95% Student's-t UCL	102.6

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_27 Thallium

General Statistics

Number of Valid Samples	24	Number of Detected Data	3
Number of Unique Samples	3	Number of Non-Detect Data	21
		Percent Non-Detects	87.50%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.0001	Minimum Detected	-9.21
Maximum Detected	0.028	Maximum Detected	-3.576
Mean of Detected	0.0133	Mean of Detected	-5.739
SD of Detected	0.014	SD of Detected	3.037
Minimum Non-Detect	0.001	Minimum Non-Detect	-6.908
Maximum Non-Detect	0.025	Maximum Non-Detect	-3.689

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	23
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	95.83%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.992	Shapiro Wilk Test Statistic	0.861
5% Shapiro Wilk Critical Value	0.767	5% Shapiro Wilk Critical Value	0.767
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.00285	Mean	-6.984
SD	0.00628	SD	1.271
95% DL/2 (t) UCL	0.00505	95% H-Stat (DL/2) UCL	0.00602
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-8.781
		SD in Log Scale	2.258
		Mean in Original Scale	0.00197
		SD in Original Scale	0.00605
		95% Percentile Bootstrap UCL	0.00419
		95% BCA Bootstrap UCL	0.00535
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	N/A	**Data appear Normal at 5% Significance Level**	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	0.374	**Nonparametric Statistics**	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	
K-S Test Statistic	N/A	Mean	0.00178
5% K-S Critical Value	N/A	SD	0.00597
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.0015
		95% KM (t) UCL	0.00435
Assuming Gamma Distribution		95% KM (z) UCL	0.00424
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.00939
Minimum	N/A	95% KM (bootstrap t) UCL	0.00317
Maximum	N/A	95% KM (BCA) UCL	0.028
Mean	N/A	95% KM (Percentile Bootstrap) UCL	0.028
Median	N/A	95% KM (Chebyshev) UCL	0.00831
SD	N/A	97.5% KM (Chebyshev) UCL	0.0111
k star	N/A	99% KM (Chebyshev) UCL	0.0167
Theta star	N/A		
Nu star	N/A	**Potential UCLs to Use**	
AppChi2	N/A	95% KM (t) UCL	0.00435
95% Gamma Approximate UCL	N/A	95% KM (Percentile Bootstrap) UCL	0.028
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

ProUCL

General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_28 Vanadium

General Statistics

Number of Valid Samples	29	Number of Detected Data	22
Number of Unique Samples	18	Number of Non-Detect Data	7
		Percent Non-Detects	24.14%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	0.00041	Minimum Detected	-7.799
Maximum Detected	0.0051	Maximum Detected	-5.279
Mean of Detected	0.0033	Mean of Detected	-5.869
SD of Detected	0.0015	SD of Detected	0.653
Minimum Non-Detect	0.01	Minimum Non-Detect	-4.605
Maximum Non-Detect	0.02	Maximum Non-Detect	-3.912

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	29
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.88	Shapiro Wilk Test Statistic	0.811
5% Shapiro Wilk Critical Value	0.911	5% Shapiro Wilk Critical Value	0.911
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	

Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0044	Mean	-5.635
SD	0.00268	SD	0.725
95% DL/2 (t) UCL	0.00525	95% H-Stat (DL/2) UCL	0.0128
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-5.869
		SD in Log Scale	0.597
		Mean in Original Scale	0.00324
		SD in Original Scale	0.00143
		95% Percentile Bootstrap UCL	0.00366
		95% BCA Bootstrap UCL	0.00362

Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only
k star (bias corrected)	2.952	Data do not follow a Discernable Distribution (0.05)
Theta Star	0.00112	
nu star	129.9	
A-D Test Statistic	1.407	
5% A-D Critical Value	0.748	
K-S Test Statistic	0.748	
5% K-S Critical Value	0.186	
Data not Gamma Distributed at 5% Significance Level		

Assuming Gamma Distribution		Nonparametric Statistics	
Gamma ROS Statistics using Extrapolated Data		Kaplan-Meier (KM) Method	
Minimum	0.00041	Mean	0.0033
Maximum	0.0051	SD	0.00147
Mean	0.00333	SE of Mean	0.00032011
Median	0.0039	95% KM (t) UCL	0.00385
SD	0.0014	95% KM (z) UCL	0.00383
k star	3.616	95% KM (jackknife) UCL	0.00385
Theta star	0.000921	95% KM (bootstrap t) UCL	0.0038
Nu star	209.8	95% KM (BCA) UCL	0.0038
AppChi2	177.2	95% KM (Percentile Bootstrap) UCL	0.00382
95% Gamma Approximate UCL	0.00394	95% KM (Chebyshev) UCL	0.0047
95% Adjusted Gamma UCL	0.00398	97.5% KM (Chebyshev) UCL	0.0053
		99% KM (Chebyshev) UCL	0.00649
		Potential UCLs to Use	
		95% KM (BCA) UCL	0.0038

Note: DL/2 is not a recommended method.

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_29 Zinc

General Statistics			
Number of Valid Samples	30	Number of Detected Data	23
Number of Unique Samples	17	Number of Non-Detect Data	7
		Percent Non-Detects	23.33%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.00047	Minimum Detected	-7.663
Maximum Detected	0.015	Maximum Detected	-4.2
Mean of Detected	0.00383	Mean of Detected	-5.87
SD of Detected	0.0035	SD of Detected	0.784
Minimum Non-Detect	0.01	Minimum Non-Detect	-4.605
Maximum Non-Detect	0.02	Maximum Non-Detect	-3.912
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	30
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.75	Shapiro Wilk Test Statistic	0.959
5% Shapiro Wilk Critical Value	0.914	5% Shapiro Wilk Critical Value	0.914
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.00461	Mean	-5.668
SD	0.00358	SD	0.797
95% DL/2 (t) UCL	0.00571	95% H-Stat (DL/2) UCL	0.0127
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-5.889
		SD in Log Scale	0.72
		Mean in Original Scale	0.00361
		SD in Original Scale	0.00314
		95% Percentile Bootstrap UCL	0.00458
		95% BCA Bootstrap UCL	0.00482
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.577	**Data Follow Appr. Gamma Distribution at 5% Significance Level**	
Theta Star	0.00243		
nu star	72.52		
A-D Test Statistic	0.837	**Nonparametric Statistics**	
5% A-D Critical Value	0.757	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.757	Mean	0.0037
5% K-S Critical Value	0.184	SD	0.00325
Data follow Appr. Gamma Distribution at 5% Significance Level		SE of Mean	0.00065859
		95% KM (t) UCL	0.00482
Assuming Gamma Distribution		95% KM (z) UCL	0.00479
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.00482
Minimum	0.00047	95% KM (bootstrap t) UCL	0.00544
Maximum	0.015	95% KM (BCA) UCL	0.00495
Mean	0.00387	95% KM (Percentile Bootstrap) UCL	0.00486
Median	0.00295	95% KM (Chebyshev) UCL	0.00657
SD	0.00307	97.5% KM (Chebyshev) UCL	0.00782
k star	2.032	99% KM (Chebyshev) UCL	0.0103
Theta star	0.00191		
Nu star	121.9	**Potential UCLs to Use**	
AppChi2	97.41	95% KM (BCA) UCL	0.00495
95% Gamma Approximate UCL	0.00485		
95% Adjusted Gamma UCL	0.00491		

Note: DL/2 is not a recommended method.

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_30 1,2-Dichlorobenzene

General Statistics

Number of Valid Samples	87	Number of Detected Data	8
Number of Unique Samples	8	Number of Non-Detect Data	79
		Percent Non-Detects	90.80%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.0002	Minimum Detected	-8.517
Maximum Detected	0.028	Maximum Detected	-3.576
Mean of Detected	0.00764	Mean of Detected	-5.454
SD of Detected	0.00859	SD of Detected	1.401
Minimum Non-Detect	0.0005	Minimum Non-Detect	-7.601
Maximum Non-Detect	1	Maximum Non-Detect	0

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	87
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.699	Lilliefors Test Statistic	0.835
5% Lilliefors Critical Value	0.818	5% Lilliefors Critical Value	0.818
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0199	Mean	-6.435
SD	0.0787	SD	1.904
95% DL/2 (t) UCL	0.034	95% H-Stat (DL/2) UCL	0.0267
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-8.132
		SD in Log Scale	1.528
		Mean in Original Scale	0.0011
		SD in Original Scale	0.00326
		95% Percentile Bootstrap UCL	0.00173
		95% BCA Bootstrap UCL	0.00207

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	0.706	Data appear Gamma Distributed at 5% Significance Level
Theta Star	0.0108	
nu star	11.3	
A-D Test Statistic	0.499	
5% A-D Critical Value	0.736	
K-S Test Statistic	0.736	
5% K-S Critical Value	0.301	
Data appear Gamma Distributed at 5% Significance Level		

Assuming Gamma Distribution		**Nonparametric Statistics**	
Gamma ROS Statistics using Extrapolated Data		Kaplan-Meier (KM) Method	
Minimum	0.0002	Mean	0.00108
Maximum	0.028	SD	0.00348
Mean	0.00762	SE of Mean	0.00043344
Median	0.00762	95% KM (t) UCL	0.0018
SD	0.00245	95% KM (z) UCL	0.00179
k star	9.23	95% KM (jackknife) UCL	0.00294
Theta star	0.0008254	95% KM (bootstrap t) UCL	0.00225
Nu star	1606	95% KM (BCA) UCL	0.0053
AppChi2	1514	95% KM (Percentile Bootstrap) UCL	0.00497
95% Gamma Approximate UCL	0.00808	95% KM (Chebyshev) UCL	0.00297
95% Adjusted Gamma UCL	0.00809	97.5% KM (Chebyshev) UCL	0.00378
		99% KM (Chebyshev) UCL	0.00539
		Potential UCLs to Use	
		95% KM (t) UCL	0.0018

Note: DL/2 is not a recommended method.

ProUCL | General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_31 1,3-Dichlorobenzene

General Statistics			
Number of Valid Samples	87	Number of Detected Data	5
Number of Unique Samples	5	Number of Non-Detect Data	82
		Percent Non-Detects	94.25%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.0003	Minimum Detected	-8.112
Maximum Detected	0.0014	Maximum Detected	-6.571
Mean of Detected	0.000768	Mean of Detected	-7.287
SD of Detected	0.0004011	SD of Detected	0.555
Minimum Non-Detect	0.0005	Minimum Non-Detect	-7.601
Maximum Non-Detect	1	Maximum Non-Detect	0
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	87
For all methods (except KM, DL/2, and ROS Methods).		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.921	Lilliefors Test Statistic	0.948
5% Lilliefors Critical Value	0.762	5% Lilliefors Critical Value	0.762
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0184	Mean	-6.62
SD	0.0783	SD	1.829
95% DL/2 (t) UCL	0.0324	95% H-Stat (DL/2) UCL	0.0184
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-8.08
		SD in Log Scale	0.488
		Mean in Original Scale	0.00034956
		SD in Original Scale	0.00019268
		95% Percentile Bootstrap UCL	0.00038468
		95% BCA Bootstrap UCL	0.00038816
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.928	**Data appear Normal at 5% Significance Level**	
Theta Star	0.0003983		
nu star	19.28		
A-D Test Statistic	0.295	**Nonparametric Statistics**	
5% A-D Critical Value	0.681	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.681	Mean	0.00036435
5% K-S Critical Value	0.358	SD	0.0001985
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.000035807
		95% KM (t) UCL	0.00042389
Assuming Gamma Distribution		95% KM (z) UCL	0.00042325
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.00054883
Minimum	0.0002425	95% KM (bootstrap t) UCL	0.00041523
Maximum	0.0014	95% KM (BCA) UCL	0.00079098
Mean	0.0005194	95% KM (Percentile Bootstrap) UCL	0.00078537
Median	0.0004764	95% KM (Chebyshev) UCL	0.00052043
SD	0.0001949	97.5% KM (Chebyshev) UCL	0.00058796
k star	7.638	99% KM (Chebyshev) UCL	0.00072063
Theta star	6.8E-05		
Nu star	1329	**Potential UCLs to Use**	
AppChi2	1245	95% KM (t) UCL	0.00042389
95% Gamma Approximate UCL	0.0005543	95% KM (Percentile Bootstrap) UCL	0.00078537
95% Adjusted Gamma UCL	0.0005549		

Note: DL/2 is not a recommended method.

ProUCL | General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_32 1,4-Dichlorobenzene

General Statistics

Number of Valid Samples	87	Number of Detected Data	4
Number of Unique Samples	4	Number of Non-Detect Data	83
		Percent Non-Detects	95.40%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.0006	Minimum Detected	-7.419
Maximum Detected	0.0017	Maximum Detected	-6.377
Mean of Detected	0.00118	Mean of Detected	-6.813
SD of Detected	0.0004574	SD of Detected	0.442
Minimum Non-Detect	0.0005	Minimum Non-Detect	-7.601
Maximum Non-Detect	1	Maximum Non-Detect	0

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	87
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.993	Lilliefors Test Statistic	0.946
5% Lilliefors Critical Value	0.748	5% Lilliefors Critical Value	0.748
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0196	Mean	-6.541
SD	0.0788	SD	1.877
95% DL/2 (t) UCL	0.0336	95% H-Stat (DL/2) UCL	0.0208
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-9.164
		SD in Log Scale	1.094
		Mean in Original Scale	0.00019165
		SD in Original Scale	0.00027027
		95% Percentile Bootstrap UCL	0.00023951
		95% BCA Bootstrap UCL	0.00025041

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	2.076	**Data appear Normal at 5% Significance Level**
Theta Star	0.000566	
nu star	16.61	
A-D Test Statistic	0.256	
5% A-D Critical Value	0.658	
K-S Test Statistic	0.658	
5% K-S Critical Value	0.395	
Data appear Gamma Distributed at 5% Significance Level		

Assuming Gamma Distribution		**Nonparametric Statistics**	
Gamma ROS Statistics using Extrapolated Data		Kaplan-Meier (KM) Method	
Minimum	0.0006	Mean	0.00065111
Maximum	0.00515	SD	0.00020179
Mean	0.0033	SE of Mean	0.000034735
Median	0.00351	95% KM (t) UCL	0.00070887
SD	0.0012	95% KM (z) UCL	0.00070825
k star	5.344	95% KM (jackknife) UCL	0.00095996
Theta star	0.0006177	95% KM (bootstrap t) UCL	0.00068893
Nu star	929.9	95% KM (BCA) UCL	0.0017
AppChi2	860.1	95% KM (Percentile Bootstrap) UCL	0.00133
95% Gamma Approximate UCL	0.00357	95% KM (Chebyshev) UCL	0.00080252
95% Adjusted Gamma UCL	N/A	97.5% KM (Chebyshev) UCL	0.00086803
		99% KM (Chebyshev) UCL	0.00099672
		Potential UCLs to Use	
		95% KM (t) UCL	0.00070887
		95% KM (Percentile Bootstrap) UCL	0.00133

Note: DL/2 is not a recommended method.

ProUCL | General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_33 Naphthalene

General Statistics

Number of Valid Samples	79	Number of Detected Data	10
Number of Unique Samples	10	Number of Non-Detect Data	69
		Percent Non-Detects	87.34%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.00021	Minimum Detected	-8.468
Maximum Detected	0.0019	Maximum Detected	-6.266
Mean of Detected	0.000708	Mean of Detected	-7.487
SD of Detected	0.0005685	SD of Detected	0.691
Minimum Non-Detect	0.0005	Minimum Non-Detect	-7.601
Maximum Non-Detect	0.2	Maximum Non-Detect	-1.609

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	79
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.741	Lilliefors Test Statistic	0.907
5% Lilliefors Critical Value	0.842	5% Lilliefors Critical Value	0.842
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.00441	Mean	-6.719
SD	0.0136	SD	1.369
95% DL/2 (t) UCL	0.00696	95% H-Stat (DL/2) UCL	0.00727
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-7.945
		SD in Log Scale	0.554
		Mean in Original Scale	0.00041746
		SD in Original Scale	0.00028817
		95% Percentile Bootstrap UCL	0.00047197
		95% BCA Bootstrap UCL	0.00048395

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	1.671	Data appear Lognormal at 5% Significance Level
Theta Star	0.0004237	
nu star	33.42	
A-D Test Statistic	0.738	**Nonparametric Statistics**
5% A-D Critical Value	0.735	Kaplan-Meier (KM) Method
K-S Test Statistic	0.735	Mean
5% K-S Critical Value	0.269	SD
Data not Gamma Distributed at 5% Significance Level		SE of Mean
		95% KM (t) UCL
Assuming Gamma Distribution		95% KM (z) UCL
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL
Minimum	0.00021	95% KM (bootstrap t) UCL
Maximum	0.0019	95% KM (BCA) UCL
Mean	0.0007157	95% KM (Percentile Bootstrap) UCL
Median	0.0007169	95% KM (Chebyshev) UCL
SD	0.0001934	97.5% KM (Chebyshev) UCL
k star	16.37	99% KM (Chebyshev) UCL
Theta star	4.372E-05	
Nu star	2587	Potential UCLs to Use
AppChi2	2469	95% KM (t) UCL
95% Gamma Approximate UCL	0.0007496	95% KM (% Bootstrap) UCL
95% Adjusted Gamma UCL	0.0007503	

Mean	0.00044296
SD	0.00032618
SE of Mean	0.000068688
95% KM (t) UCL	0.0005573
95% KM (z) UCL	0.00055594
95% KM (jackknife) UCL	0.0005673
95% KM (bootstrap t) UCL	0.00059005
95% KM (BCA) UCL	0.00058091
95% KM (Percentile Bootstrap) UCL	0.00057009
95% KM (Chebyshev) UCL	0.00074236
97.5% KM (Chebyshev) UCL	0.00087191
99% KM (Chebyshev) UCL	0.00113
95% KM (t) UCL	0.0005573
95% KM (% Bootstrap) UCL	0.00057009

Note: DL/2 is not a recommended method.

ProUCL

General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_34 Acetophenone

General Statistics

Number of Valid Samples	27	Number of Detected Data	2
Number of Unique Samples	2	Number of Non-Detect Data	25
		Percent Non-Detects	92.59%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.0022	Minimum Detected	-6.119
Maximum Detected	0.0069	Maximum Detected	-4.976
Mean of Detected	0.00455	Mean of Detected	-5.548
SD of Detected	0.00332	SD of Detected	0.808
Minimum Non-Detect	0.005	Minimum Non-Detect	-5.298
Maximum Non-Detect	0.005	Maximum Non-Detect	-5.298

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	1	Shapiro Wilk Test Statistic	1
5% Shapiro Wilk Critical Value	N/A	5% Shapiro Wilk Critical Value	N/A
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.00265	Mean	-5.959
SD	0.000851	SD	0.198
95% DL/2 (t) UCL	0.00293	95% H-Stat (DL/2) UCL	0.00298
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	N/A
		SD in Log Scale	N/A
		Mean in Original Scale	N/A
		SD in Original Scale	N/A
		95% Percentile Bootstrap UCL	N/A
		95% BCA Bootstrap UCL	N/A

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	N/A	Data do not follow a Discernable Distribution (0.05)
Theta Star	N/A	
nu star	N/A	
A-D Test Statistic	0.359	
5% A-D Critical Value	N/A	
K-S Test Statistic	N/A	
5% K-S Critical Value	N/A	
Data not Gamma Distributed at 5% Significance Level		

Assuming Gamma Distribution		**Nonparametric Statistics**	
Gamma ROS Statistics using Extrapolated Data		Kaplan-Meier (KM) Method	
Minimum	N/A	Mean	0.00237
Maximum	N/A	SD	0.00088761
Mean	N/A	SE of Mean	0.00024158
Median	N/A	95% KM (t) UCL	0.00279
SD	N/A	95% KM (z) UCL	0.00277
k star	N/A	95% KM (jackknife) UCL	0.00546
Theta star	N/A	95% KM (bootstrap t) UCL	1.7977E+308
Nu star	N/A	95% KM (BCA) UCL	0.0069
AppChi2	N/A	95% KM (Percentile Bootstrap) UCL	0.0069
95% Gamma Approximate UCL	N/A	95% KM (Chebyshev) UCL	0.00343
95% Adjusted Gamma UCL	N/A	97.5% KM (Chebyshev) UCL	0.00388
		99% KM (Chebyshev) UCL	0.00478
		Potential UCLs to Use	
		95% KM (t) UCL	0.00279
		95% KM (% Bootstrap) UCL	0.0069

Note: DL/2 is not a recommended method.

ProUCL | General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_35 Bis(2-ethylhexyl)phthalate (DEHP)

General Statistics

Number of Valid Samples	29	Number of Detected Data	16
Number of Unique Samples	16	Number of Non-Detect Data	13
		Percent Non-Detects	44.83%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.00045	Minimum Detected	-7.706
Maximum Detected	0.08	Maximum Detected	-2.526
Mean of Detected	0.00897	Mean of Detected	-5.88
SD of Detected	0.0195	SD of Detected	1.473
Minimum Non-Detect	0.005	Minimum Non-Detect	-5.298
Maximum Non-Detect	0.01	Maximum Non-Detect	-4.605

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	25
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	4
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	86.21%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.455	Shapiro Wilk Test Statistic	0.918
5% Shapiro Wilk Critical Value	0.887	5% Shapiro Wilk Critical Value	0.887
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.00624	Mean	-5.882
SD	0.0146	SD	1.091
95% DL/2 (t) UCL	0.0108	95% H-Stat (DL/2) UCL	0.0172
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-6.263
		SD in Log Scale	1.296
		Mean in Original Scale	0.00567
		SD in Original Scale	0.0147
		95% Percentile Bootstrap UCL	0.0108
		95% BCA Bootstrap UCL	0.0143

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	0.479	Data Follow Appr. Gamma Distribution at 5% Significance Level
Theta Star	0.0187	
nu star	15.34	
A-D Test Statistic	1.083	
5% A-D Critical Value	0.793	
K-S Test Statistic	0.793	
5% K-S Critical Value	0.227	
Data follow Appr. Gamma Distribution at 5% Significance Level		

Assuming Gamma Distribution		**Nonparametric Statistics**	
Gamma ROS Statistics using Extrapolated Data		Kaplan-Meier (KM) Method	
Minimum	0.00045	Mean	0.00558
Maximum	0.08	SD	0.0145
Mean	0.00883	SE of Mean	0.00279
Median	0.00789	95% KM (t) UCL	0.0103
SD	0.0143	95% KM (z) UCL	0.0102
k star	0.834	95% KM (jackknife) UCL	0.0103
Theta star	0.0106	95% KM (bootstrap t) UCL	0.0223
Nu star	48.35	95% KM (BCA) UCL	0.0115
AppChi2	33.39	95% KM (Percentile Bootstrap) UCL	0.0106
95% Gamma Approximate UCL	0.0128	95% KM (Chebyshev) UCL	0.0177
95% Adjusted Gamma UCL	0.0131	97.5% KM (Chebyshev) UCL	0.023
		99% KM (Chebyshev) UCL	0.0333
		Potential UCLs to Use	
		95% KM (BCA) UCL	0.0115

Note: DL/2 is not a recommended method.

ProUCL | General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_36 Caprolactam

General Statistics			
Number of Valid Samples	27	Number of Detected Data	3
Number of Unique Samples	3	Number of Non-Detect Data	24
		Percent Non-Detects	88.89%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.00015	Minimum Detected	-8.805
Maximum Detected	0.028	Maximum Detected	-3.576
Mean of Detected	0.0131	Mean of Detected	-5.63
SD of Detected	0.014	SD of Detected	2.789
Minimum Non-Detect	0.005	Minimum Non-Detect	-5.298
Maximum Non-Detect	0.005	Maximum Non-Detect	-5.298

UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.984	Shapiro Wilk Test Statistic	0.879
5% Shapiro Wilk Critical Value	0.767	5% Shapiro Wilk Critical Value	0.767
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.00367	Mean	-5.951
SD	0.00515	SD	0.782
95% DL/2 (t) UCL	0.00536	95% H-Stat (DL/2) UCL	0.00586
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-8.556
		SD in Log Scale	2.311
		Mean in Original Scale	0.00196
		SD in Original Scale	0.00565
		95% Percentile Bootstrap UCL	0.00398
		95% BCA Bootstrap UCL	0.00517
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	N/A	**Data appear Normal at 5% Significance Level**	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	0.341	**Nonparametric Statistics**	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	
K-S Test Statistic	N/A	Mean	0.00158
5% K-S Critical Value	N/A	SD	0.00557
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.00131
		95% KM (t) UCL	0.00382
Assuming Gamma Distribution		95% KM (z) UCL	0.00374
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.00859
Minimum	N/A	95% KM (bootstrap t) UCL	0.00294
Maximum	N/A	95% KM (BCA) UCL	0.028
Mean	N/A	95% KM (Percentile Bootstrap) UCL	0.028
Median	N/A	95% KM (Chebyshev) UCL	0.00731
SD	N/A	97.5% KM (Chebyshev) UCL	0.00978
k star	N/A	99% KM (Chebyshev) UCL	0.0146
Theta star	N/A		
Nu star	N/A	**Potential UCLs to Use**	
AppChi2	N/A	95% KM (t) UCL	0.00382
95% Gamma Approximate UCL	N/A	95% KM (Percentile Bootstrap) UCL	0.028
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

ProUCL | General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_38 Isophorone

General Statistics

Number of Valid Samples	29	Number of Detected Data	2
Number of Unique Samples	2	Number of Non-Detect Data	27
		Percent Non-Detects	93.10%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.0022	Minimum Detected	-6.119
Maximum Detected	0.0049	Maximum Detected	-5.319
Mean of Detected	0.00355	Mean of Detected	-5.719
SD of Detected	0.00191	SD of Detected	0.566
Minimum Non-Detect	0.005	Minimum Non-Detect	-5.298
Maximum Non-Detect	0.01	Maximum Non-Detect	-4.605

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	29
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	1	Shapiro Wilk Test Statistic	1
5% Shapiro Wilk Critical Value	N/A	5% Shapiro Wilk Critical Value	N/A
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.00274	Mean	-5.925
SD	0.0007702	SD	0.216
95% DL/2 (t) UCL	0.00299	95% H-Stat (DL/2) UCL	0.00332
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	N/A
		SD in Log Scale	N/A
		Mean in Original Scale	N/A
		SD in Original Scale	N/A
		95% Percentile Bootstrap UCL	N/A
		95% BCA Bootstrap UCL	N/A

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	N/A	Data do not follow a Discernable Distribution (0.05)
Theta Star	N/A	
nu star	N/A	
A-D Test Statistic	0.359	**Nonparametric Statistics**
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method
K-S Test Statistic	N/A	Mean 0.00355
5% K-S Critical Value	N/A	SD 0.00135
Data not Gamma Distributed at 5% Significance Level		SE of Mean 0.00135
		95% KM (t) UCL 0.00585
Assuming Gamma Distribution		95% KM (z) UCL 0.00577
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL 0.00674
Minimum	N/A	95% KM (bootstrap t) UCL 1.7977E+308
Maximum	N/A	95% KM (BCA) UCL 0.0049
Mean	N/A	95% KM (Percentile Bootstrap) UCL 0.0049
Median	N/A	95% KM (Chebyshev) UCL 0.00943
SD	N/A	97.5% KM (Chebyshev) UCL 0.012
k star	N/A	99% KM (Chebyshev) UCL 0.017
Theta star	N/A	
Nu star	N/A	**Potential UCLs to Use**
AppChi2	N/A	95% KM (t) UCL 0.00585
95% Gamma Approximate UCL	N/A	95% KM (% Bootstrap) UCL 0.0049
95% Adjusted Gamma UCL	N/A	

Warning: Recommended UCL exceeds the maximum observation

Note: DL/2 is not a recommended method.

ProUCL | General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_39 Phenol

General Statistics

Number of Valid Samples	29	Number of Detected Data	3
Number of Unique Samples	3	Number of Non-Detect Data	26
		Percent Non-Detects	89.66%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.0085	Minimum Detected	-4.768
Maximum Detected	0.02	Maximum Detected	-3.912
Mean of Detected	0.0132	Mean of Detected	-4.397
SD of Detected	0.00605	SD of Detected	0.439
Minimum Non-Detect	0.005	Minimum Non-Detect	-5.298
Maximum Non-Detect	0.01	Maximum Non-Detect	-4.605

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	27
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	2
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	93.10%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.904	Shapiro Wilk Test Statistic	0.95
5% Shapiro Wilk Critical Value	0.767	5% Shapiro Wilk Critical Value	0.767
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.00369	Mean	-5.803
SD	0.00368	SD	0.516
95% DL/2 (t) UCL	0.00485	95% H-Stat (DL/2) UCL	0.00421
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-6.637
		SD in Log Scale	1.245
		Mean in Original Scale	0.00277
		SD in Original Scale	0.00417
		95% Percentile Bootstrap UCL	0.00407
		95% BCA Bootstrap UCL	0.00445

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	N/A	**Data appear Normal at 5% Significance Level**
Theta Star	N/A	
nu star	N/A	
A-D Test Statistic	0.338	
5% A-D Critical Value	N/A	
K-S Test Statistic	N/A	
5% K-S Critical Value	N/A	
Data not Gamma Distributed at 5% Significance Level		

Assuming Gamma Distribution		**Nonparametric Statistics**	
Gamma ROS Statistics using Extrapolated Data		Kaplan-Meier (KM) Method	
Minimum	N/A	Mean	0.00898
Maximum	N/A	SD	0.00213
Mean	N/A	SE of Mean	0.00048474
Median	N/A	95% KM (t) UCL	0.00981
SD	N/A	95% KM (z) UCL	0.00978
k star	N/A	95% KM (jackknife) UCL	0.0106
Theta star	N/A	95% KM (bootstrap t) UCL	0.0101
Nu star	N/A	95% KM (BCA) UCL	0.02
AppChi2	N/A	95% KM (Percentile Bootstrap) UCL	0.02
95% Gamma Approximate UCL	N/A	95% KM (Chebyshev) UCL	0.0111
95% Adjusted Gamma UCL	N/A	97.5% KM (Chebyshev) UCL	0.012
		99% KM (Chebyshev) UCL	0.0138
		Potential UCLs to Use	
		95% KM (t) UCL	0.00981
		95% KM (Percentile Bootstrap) UCL	0.02

Note: DL/2 is not a recommended method.

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_40 1,1,1,2-Tetrachloroethane

General Statistics

Number of Valid Samples	52	Number of Detected Data	6
Number of Unique Samples	6	Number of Non-Detect Data	46
		Percent Non-Detects	88.46%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.0014	Minimum Detected	-6.571
Maximum Detected	0.022	Maximum Detected	-3.817
Mean of Detected	0.0099	Mean of Detected	-5.009
SD of Detected	0.00815	SD of Detected	1.067
Minimum Non-Detect	0.0005	Minimum Non-Detect	-7.601
Maximum Non-Detect	0.63	Maximum Non-Detect	-0.462

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	52
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.924	Lilliefors Test Statistic	0.944
5% Lilliefors Critical Value	0.788	5% Lilliefors Critical Value	0.788
Data appear Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0172	Mean	-6.563
SD	0.0539	SD	2.003
95% DL/2 (t) UCL	0.0297	95% H-Stat (DL/2) UCL	0.0419
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-9.205
		SD in Log Scale	2.273
		Mean in Original Scale	0.0013
		SD in Original Scale	0.00405
		95% Percentile Bootstrap UCL	0.00225
		95% BCA Bootstrap UCL	0.0027

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	0.818	Data appear Normal at 5% Significance Level
Theta Star	0.0121	
nu star	9.815	
A-D Test Statistic	0.252	**Nonparametric Statistics**
5% A-D Critical Value	0.709	Kaplan-Meier (KM) Method
K-S Test Statistic	0.709	Mean 0.00253
5% K-S Critical Value	0.338	SD 0.00393
Data appear Gamma Distributed at 5% Significance Level		SE of Mean 0.00063539
		95% KM (t) UCL 0.00359
Assuming Gamma Distribution		95% KM (z) UCL 0.00357
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL 0.0037
Minimum 0		95% KM (bootstrap t) UCL 0.00387
Maximum 0.077		95% KM (BCA) UCL 0.0123
Mean 0.0338		95% KM (Percentile Bootstrap) UCL 0.00634
Median 0.0326		95% KM (Chebyshev) UCL 0.0053
SD 0.0233		97.5% KM (Chebyshev) UCL 0.0065
k star 0.623		99% KM (Chebyshev) UCL 0.00885
Theta star 0.0544		
Nu star 64.76		**Potential UCLs to Use**
AppChi2 47.24		95% KM (t) UCL 0.00359
95% Gamma Approximate UCL 0.0464		95% KM (Percentile Bootstrap) UCL 0.00634
95% Adjusted Gamma UCL 0.0468		

Note: DL/2 is not a recommended method.

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_41 1,1,1-Trichloroethane

General Statistics			
Number of Valid Samples	88	Number of Detected Data	61
Number of Unique Samples	50	Number of Non-Detect Data	27
		Percent Non-Detects	30.68%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.0002	Minimum Detected	-8.517
Maximum Detected	14	Maximum Detected	2.639
Mean of Detected	1.123	Mean of Detected	-4.903
SD of Detected	2.991	SD of Detected	3.281
Minimum Non-Detect	0.0005	Minimum Non-Detect	-7.601
Maximum Non-Detect	0.2	Maximum Non-Detect	-1.609
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	77
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	11
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	87.50%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.46	Lilliefors Test Statistic	0.231
5% Lilliefors Critical Value	0.113	5% Lilliefors Critical Value	0.113
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.781	Mean	-5.243
SD	2.537	SD	2.871
95% DL/2 (t) UCL	1.231	95% H-Stat (DL/2) UCL	2.327
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-5.577
		SD in Log Scale	3.021
		Mean in Original Scale	0.779
		SD in Original Scale	2.538
		95% Percentile Bootstrap UCL	1.241
		95% BCA Bootstrap UCL	1.412
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.156	Data do not follow a Discernable Distribution (0.05)	
Theta Star	7.191		
nu star	19.05		
A-D Test Statistic	9.63	**Nonparametric Statistics**	
5% A-D Critical Value	0.945	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.945	Mean	0.779
5% K-S Critical Value	0.128	SD	2.524
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.271
		95% KM (t) UCL	1.23
Assuming Gamma Distribution		95% KM (z) UCL	1.225
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	1.229
Minimum	0	95% KM (bootstrap t) UCL	1.476
Maximum	14	95% KM (BCA) UCL	1.243
Mean	0.863	95% KM (Percentile Bootstrap) UCL	1.246
Median	0.00246	95% KM (Chebyshev) UCL	1.961
SD	2.545	97.5% KM (Chebyshev) UCL	2.473
k star	0.12	99% KM (Chebyshev) UCL	3.478
Theta star	7.195		
Nu star	21.11	**Potential UCLs to Use**	
AppChi2	11.68	97.5% KM (Chebyshev) UCL	2.473
95% Gamma Approximate UCL	1.561		
95% Adjusted Gamma UCL	1.577		

Note: DL/2 is not a recommended method.

ProUCL | General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_42 1,1,2-Trichloroethane

General Statistics			
Number of Valid Samples	87	Number of Detected Data	35
Number of Unique Samples	30	Number of Non-Detect Data	52
		Percent Non-Detects	59.77%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.00012	Minimum Detected	-9.028
Maximum Detected	2	Maximum Detected	0.693
Mean of Detected	0.0802	Mean of Detected	-6.114
SD of Detected	0.337	SD of Detected	2.555
Minimum Non-Detect	0.0005	Minimum Non-Detect	-7.601
Maximum Non-Detect	1	Maximum Non-Detect	0
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	86
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	98.85%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.249	Lilliefors Test Statistic	0.808
5% Lilliefors Critical Value	0.934	5% Lilliefors Critical Value	0.934
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0452	Mean	-6.214
SD	0.223	SD	2.094
95% DL/2 (t) UCL	0.0849	95% H-Stat (DL/2) UCL	0.0944
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-7.123
		SD in Log Scale	2.099
		Mean in Original Scale	0.0328
		SD in Original Scale	0.216
		95% Percentile Bootstrap UCL	0.0787
		95% BCA Bootstrap UCL	0.106
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.206	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	0.39		
nu star	14.41		
A-D Test Statistic	5.064	**Nonparametric Statistics**	
5% A-D Critical Value	0.898	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.898	Mean	0.033
5% K-S Critical Value	0.165	SD	0.214
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.0233
		95% KM (t) UCL	0.0718
Assuming Gamma Distribution		95% KM (z) UCL	0.0714
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.0715
Minimum	0	95% KM (bootstrap t) UCL	0.263
Maximum	2	95% KM (BCA) UCL	0.0806
Mean	0.078	95% KM (Percentile Bootstrap) UCL	0.0783
Median	0.0775	95% KM (Chebyshev) UCL	0.135
SD	0.213	97.5% KM (Chebyshev) UCL	0.179
k star	0.386	99% KM (Chebyshev) UCL	0.265
Theta star	0.202		
Nu star	67.23	**Potential UCLs to Use**	
AppChi2	49.36	97.5% KM (Chebyshev) UCL	0.179
95% Gamma Approximate UCL	0.106		
95% Adjusted Gamma UCL	0.107		

Note: DL/2 is not a recommended method.

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_43 1,1-Dichloroethane

General Statistics			
Number of Valid Samples	88	Number of Detected Data	62
Number of Unique Samples	47	Number of Non-Detect Data	26
		Percent Non-Detects	29.55%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.00037	Minimum Detected	-7.902
Maximum Detected	0.15	Maximum Detected	-1.897
Mean of Detected	0.0193	Mean of Detected	-5.373
SD of Detected	0.0371	SD of Detected	1.596
Minimum Non-Detect	0.0005	Minimum Non-Detect	-7.601
Maximum Non-Detect	1	Maximum Non-Detect	0
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	88
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.389	Lilliefors Test Statistic	0.197
5% Lilliefors Critical Value	0.113	5% Lilliefors Critical Value	0.113
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0337	Mean	-5.311
SD	0.0875	SD	1.812
95% DL/2 (t) UCL	0.0492	95% H-Stat (DL/2) UCL	0.0881
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-5.717
		SD in Log Scale	1.534
		Mean in Original Scale	0.0142
		SD in Original Scale	0.032
		95% Percentile Bootstrap UCL	0.02
		95% BCA Bootstrap UCL	0.0209
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.442	Data do not follow a Discernable Distribution (0.05)	
Theta Star	0.0436		
nu star	54.79		
A-D Test Statistic	6.392	**Nonparametric Statistics**	
5% A-D Critical Value	0.827	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.827	Mean	0.015
5% K-S Critical Value	0.12	SD	0.0329
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.00366
		95% KM (t) UCL	0.0211
Assuming Gamma Distribution		95% KM (z) UCL	0.021
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.0211
Minimum	0	95% KM (bootstrap t) UCL	0.023
Maximum	0.15	95% KM (BCA) UCL	0.0215
Mean	0.0172	95% KM (Percentile Bootstrap) UCL	0.021
Median	0.00345	95% KM (Chebyshev) UCL	0.0309
SD	0.0323	97.5% KM (Chebyshev) UCL	0.0378
k star	0.249	99% KM (Chebyshev) UCL	0.0514
Theta star	0.0692		
Nu star	43.8	**Potential UCLs to Use**	
AppChi2	29.62	97.5% KM (Chebyshev) UCL	0.0378
95% Gamma Approximate UCL	0.0255		
95% Adjusted Gamma UCL	0.0256		

Note: DL/2 is not a recommended method.

ProUCL | General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_44 1,1-Dichloroethene

General Statistics			
Number of Valid Samples	88	Number of Unique Samples	56
Raw Statistics		**Log-transformed Statistics**	
Minimum	0.014	Minimum of Log Data	-4.269
Maximum	5.1	Maximum of Log Data	1.629
Mean	0.896	Mean of log Data	-0.488
Median	0.73	SD of log Data	0.978
SD	0.766		
Coefficient of Variation	0.855		
Skewness	2.248		
Relevant UCL Statistics			
Normal Distribution Test		**Lognormal Distribution Test**	
Lilliefors Test Statistic	0.13	Lilliefors Test Statistic	0.0817
Lilliefors Critical Value	0.0944	Lilliefors Critical Value	0.0944
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	1.031	95% H-UCL	1.248
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	1.513
95% Adjusted-CLT UCL	1.051	97.5% Chebyshev (MVUE) UCL	1.743
95% Modified-t UCL	1.035	99% Chebyshev (MVUE) UCL	2.194
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	1.425	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	0.628		
nu star	250.8		
Approximate Chi Square Value (.05)	215.1	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0473	95% CLT UCL	1.03
Adjusted Chi Square Value	214.6	95% Jackknife UCL	1.031
		95% Standard Bootstrap UCL	1.025
Anderson-Darling Test Statistic	0.242	95% Bootstrap-t UCL	1.058
Anderson-Darling 5% Critical Value	0.772	95% Hall's Bootstrap UCL	1.068
Kolmogorov-Smirnov Test Statistic	0.0514	95% Percentile Bootstrap UCL	1.027
Kolmogorov-Smirnov 5% Critical Value	0.0971	95% BCA Bootstrap UCL	1.046
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	1.251
		97.5% Chebyshev(Mean, Sd) UCL	1.405
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	1.708
95% Approximate Gamma UCL	1.044		
95% Adjusted Gamma UCL	1.047		
Potential UCL to Use		Use 95% Approximate Gamma UCL	1.044

ProUCL General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_45 1,2,4-Trimethylbenzene

General Statistics

Number of Valid Samples	52	Number of Detected Data	3
Number of Unique Samples	3	Number of Non-Detect Data	49
		Percent Non-Detects	94.23%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.0042	Minimum Detected	-5.473
Maximum Detected	0.052	Maximum Detected	-2.957
Mean of Detected	0.0241	Mean of Detected	-4.188
SD of Detected	0.0249	SD of Detected	1.259
Minimum Non-Detect	0.0005	Minimum Non-Detect	-7.601
Maximum Non-Detect	0.63	Maximum Non-Detect	-0.462

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	52
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.921	Lilliefors Test Statistic	0.999
5% Lilliefors Critical Value	0.767	5% Lilliefors Critical Value	0.767
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0142	Mean	-6.688
SD	0.0476	SD	1.94
95% DL/2 (t) UCL	0.0252	95% H-Stat (DL/2) UCL	0.0248
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-10.59
		SD in Log Scale	2.827
		Mean in Original Scale	0.00151
		SD in Original Scale	0.00749
		95% Percentile Bootstrap UCL	0.00319
		95% BCA Bootstrap UCL	0.0045

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	N/A	**Data appear Normal at 5% Significance Level**
Theta Star	N/A	
nu star	N/A	
A-D Test Statistic	0.251	**Nonparametric Statistics**
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method
K-S Test Statistic	N/A	Mean 0.00545
5% K-S Critical Value	N/A	SD 0.007
Data not Gamma Distributed at 5% Significance Level		SE of Mean 0.00124
		95% KM (t) UCL 0.00753
Assuming Gamma Distribution		95% KM (z) UCL 0.00749
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL 0.0131
Minimum N/A		95% KM (bootstrap t) UCL 0.00777
Maximum N/A		95% KM (BCA) UCL 0.052
Mean N/A		95% KM (Percentile Bootstrap) UCL 0.052
Median N/A		95% KM (Chebyshev) UCL 0.0109
SD N/A		97.5% KM (Chebyshev) UCL 0.0132
k star N/A		99% KM (Chebyshev) UCL 0.0178
Theta star N/A		
Nu star N/A		**Potential UCLs to Use**
AppChi2 N/A		95% KM (t) UCL 0.00753
95% Gamma Approximate UCL N/A		95% KM (Percentile Bootstrap) UCL 0.052
95% Adjusted Gamma UCL N/A		

Note: DL/2 is not a recommended method.

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_46 1,2-Dichloroethane

General Statistics			
Number of Valid Samples	88	Number of Detected Data	59
Number of Unique Samples	46	Number of Non-Detect Data	29
		Percent Non-Detects	32.95%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.00027	Minimum Detected	-8.217
Maximum Detected	1.3	Maximum Detected	0.262
Mean of Detected	0.12	Mean of Detected	-4.383
SD of Detected	0.288	SD of Detected	2.072
Minimum Non-Detect	0.0002	Minimum Non-Detect	-8.517
Maximum Non-Detect	1	Maximum Non-Detect	0
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	86
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	2
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	97.73%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.436	Lilliefors Test Statistic	0.116
5% Lilliefors Critical Value	0.115	5% Lilliefors Critical Value	0.115
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0975	Mean	-4.815
SD	0.25	SD	2.216
95% DL/2 (t) UCL	0.142	95% H-Stat (DL/2) UCL	0.37
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-5.305
		SD in Log Scale	2.3
		Mean in Original Scale	0.0807
		SD in Original Scale	0.242
		95% Percentile Bootstrap UCL	0.126
		95% BCA Bootstrap UCL	0.136
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.3	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	0.398		
nu star	35.45		
A-D Test Statistic	5.861	**Nonparametric Statistics**	
5% A-D Critical Value	0.862	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.862	Mean	0.0822
5% K-S Critical Value	0.126	SD	0.241
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.0261
		95% KM (t) UCL	0.126
Assuming Gamma Distribution		95% KM (z) UCL	0.125
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.126
Minimum	0	95% KM (bootstrap t) UCL	0.142
Maximum	1.3	95% KM (BCA) UCL	0.128
Mean	0.0924	95% KM (Percentile Bootstrap) UCL	0.129
Median	0.0067	95% KM (Chebyshev) UCL	0.196
SD	0.244	97.5% KM (Chebyshev) UCL	0.245
k star	0.143	99% KM (Chebyshev) UCL	0.342
Theta star	0.645		
Nu star	25.2	**Potential UCLs to Use**	
AppChi2	14.77	97.5% KM (Chebyshev) UCL	0.245
95% Gamma Approximate UCL	0.158		
95% Adjusted Gamma UCL	0.159		

Note: DL/2 is not a recommended method.

ProUCL | General UCL Statistics for Data Sets with Non-Detects

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_47 1,3,5-Trimethylbenzene

General Statistics

Number of Valid Samples	52	Number of Detected Data	2
Number of Unique Samples	2	Number of Non-Detect Data	50
		Percent Non-Detects	96.15%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.00096	Minimum Detected	-6.949
Maximum Detected	0.0032	Maximum Detected	-5.745
Mean of Detected	0.00208	Mean of Detected	-6.347
SD of Detected	0.00158	SD of Detected	0.851
Minimum Non-Detect	0.0005	Minimum Non-Detect	-7.601
Maximum Non-Detect	0.63	Maximum Non-Detect	-0.462

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	52
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	1	Lilliefors Test Statistic	1
5% Lilliefors Critical Value	N/A	5% Lilliefors Critical Value	N/A
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0148	Mean	-6.734
SD	0.0489	SD	1.93
95% DL/2 (t) UCL	0.0261	95% H-Stat (DL/2) UCL	0.0238
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	N/A
		SD in Log Scale	N/A
		Mean in Original Scale	N/A
		SD in Original Scale	N/A
		95% Percentile Bootstrap UCL	N/A
		95% BCA Bootstrap UCL	N/A

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**
k star (bias corrected)	N/A	Data do not follow a Discernable Distribution (0.05)
Theta Star	N/A	
nu star	N/A	
A-D Test Statistic	0.359	
5% A-D Critical Value	N/A	
K-S Test Statistic	N/A	
5% K-S Critical Value	N/A	
Data not Gamma Distributed at 5% Significance Level		

Assuming Gamma Distribution		**Nonparametric Statistics**	
Gamma ROS Statistics using Extrapolated Data		Kaplan-Meier (KM) Method	
Minimum	N/A	Mean	0.00102
Maximum	N/A	SD	0.00037318
Mean	N/A	SE of Mean	0.000089207
Median	N/A	95% KM (t) UCL	0.00117
SD	N/A	95% KM (z) UCL	0.00117
k star	N/A	95% KM (jackknife) UCL	0.00247
Theta star	N/A	95% KM (bootstrap t) UCL	1.7977E+308
Nu star	N/A	95% KM (BCA) UCL	0.0032
AppChi2	N/A	95% KM (Percentile Bootstrap) UCL	N/A
95% Gamma Approximate UCL	N/A	95% KM (Chebyshev) UCL	0.00141
95% Adjusted Gamma UCL	N/A	97.5% KM (Chebyshev) UCL	0.00158
		99% KM (Chebyshev) UCL	0.00191
		Potential UCLs to Use	
		95% KM (t) UCL	0.00117
		95% KM (% Bootstrap) UCL	N/A

Note: DL/2 is not a recommended method.

User Selected Options	99		99
From File		C:\lhilsche\Omega\EPCs7\all1.wst	
Full Precision		OFF	
Confidence Coefficient		95%	
Number of Bootstrap Operations		2000	

_48 2-Butanone

General Statistics			
Number of Valid Samples	60	Number of Detected Data	4
Number of Unique Samples	4	Number of Non-Detect Data	56
		Percent Non-Detects	93.33%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.29	Minimum Detected	-1.238
Maximum Detected	0.77	Maximum Detected	-0.261
Mean of Detected	0.523	Mean of Detected	-0.709
SD of Detected	0.201	SD of Detected	0.411
Minimum Non-Detect	0.002	Minimum Non-Detect	-6.215
Maximum Non-Detect	13	Maximum Non-Detect	2.565
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	60
For all methods (except KM, DL/2, and ROS Methods).		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.999	Lilliefors Test Statistic	0.987
5% Lilliefors Critical Value	0.748	5% Lilliefors Critical Value	0.748
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.367	Mean	-4.262
SD	1.233	SD	2.343
95% DL/2 (t) UCL	0.633	95% H-Stat (DL/2) UCL	0.876
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-3.25
		SD in Log Scale	1.078
		Mean in Original Scale	0.0769
		SD in Original Scale	0.134
		95% Percentile Bootstrap UCL	0.109
		95% BCA Bootstrap UCL	0.117
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	2.279	**Data appear Normal at 5% Significance Level**	
Theta Star	0.229		
nu star	18.23		
A-D Test Statistic	0.199	**Nonparametric Statistics**	
5% A-D Critical Value	0.658	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.658	Mean	0.307
5% K-S Critical Value	0.395	SD	0.0765
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0119
		95% KM (t) UCL	0.327
Assuming Gamma Distribution		95% KM (z) UCL	0.327
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.414
Minimum	0.29	95% KM (bootstrap t) UCL	0.322
Maximum	0.77	95% KM (BCA) UCL	0.77
Mean	0.443	95% KM (Percentile Bootstrap) UCL	0.581
Median	0.428	95% KM (Chebyshev) UCL	0.359
SD	0.0913	97.5% KM (Chebyshev) UCL	0.381
k star	24.43	99% KM (Chebyshev) UCL	0.425
Theta star	0.0181		
Nu star	2931	**Potential UCLs to Use**	
AppChi2	2806	95% KM (t) UCL	0.327
95% Gamma Approximate UCL	0.463	95% KM (Percentile Bootstrap) UCL	0.581
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.