

AVERAGING TIMES

Study Folder: TOP EVENT 23

Unique Audit Number:

534



PHAST v6.00



TOP EVENT 23



Propane spill out

LPG tanks

Base Case

Data



Weather:

Category 2/F

Speed:

2,00 m/s

Stability:

F

TOP EVENT 23\Propane spill out\LPG tanks

Material: PROPANE

Centerline Molar Concentrations for Multiple Averaging Times

ppm

Averaging time corrected concentrations

Note that this is the only report that reflects duration adjusted / corrected concentrations

Distance	Flammable	Toxic	ERPG	IDLH	STEL	User
Downwind	18.8					
m	s	s	s	s	s	s

Segment Number: 1

0,00 1.000.000,00

0,01 1.000.000,00

0,11 986.525,36

Segment Number: 2

0,11 986.631,18

0,31 960.362,65

0,71 911.845,13

1,51 828.363,15

3,11 701.053,85

6,31 539.210,01

9,51 441.003,99

12,71 375.343,86

19,11 292.742,94

25,51 241.571,23

31,91 205.737,02

38,31 178.927,55

44,71 158.112,01

51,11 141.565,91

63,91 117.275,41

70,31 108.274,30

76,71 100.797,91

89,51 89.337,57

102,31 81.281,25

115,11 75.616,21

127,91 71.679,24

140,71 68.242,98

153,51 64.226,71

166,31 59.685,88

179,11 54.773,10

191,91 49.676,94

204,71 44.596,09

217,51 39.704,90

243,11 31.038,74

268,71 23.991,63

294,31 18.597,10

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ppm

Averaging time corrected concentrations

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Distance	Flammable	Toxic	ERPG	IDLH	STEL	User
Downwind	18.8					
m	s	s	s	s	s	s
319,91	14.597,78					
345,51	11.807,90					
396,71	8.413,50					
447,91	6.469,95					
547,91	4.559,39					
647,91	3.649,52					
747,91	3.111,70					
847,91	2.706,18					
947,91	2.392,79					
1.047,91	2.142,60					
1.147,91	1.938,87					
1.247,91	1.769,73					
1.347,91	1.627,20					
1.447,91	1.505,52					
1.547,91	1.400,46					
1.647,91	1.308,87					
1.747,91	1.228,34					
1.847,91	1.157,00					
1.947,91	1.093,38					
2.047,91	1.036,29					
2.147,91	984,79					
2.247,91	938,11					
2.347,91	895,59					
2.447,91	856,72					
2.547,91	821,04					
2.647,91	788,18					
2.747,91	757,83					
2.847,91	729,70					
2.947,91	703,56					
3.047,91	679,22					
3.147,91	656,48					
3.247,91	635,21					
3.347,91	615,26					
3.447,91	596,51					
3.547,91	578,86					
3.647,91	562,21					
3.747,91	546,49					
3.847,91	531,62					
3.947,91	517,52					
4.047,91	504,15					
4.147,91	491,45					
4.247,91	479,37					
4.347,91	467,86					
4.447,91	456,88					
4.547,91	446,41					
4.647,91	436,40					
4.747,91	426,83					
4.847,91	417,66					
4.947,91	408,88					
5.047,91	400,45					
5.147,91	392,36					
5.247,91	384,59					
5.347,91	377,12					

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Averaging time corrected concentrations

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Distance Downwind m	Flammable 18.8 s	Toxic s	ERPG s	IDLH s	STEL s	User s
5.447,91	369,93					
5.547,91	363,01					
5.647,91	356,34					
5.747,91	349,91					
5.847,91	343,70					
5.947,91	337,71					
6.047,91	331,92					
6.147,91	326,33					
6.247,91	320,92					
6.347,91	315,68					
6.447,91	310,61					
6.547,91	305,70					
6.647,91	300,94					
6.747,91	296,33					
6.847,91	291,85					
6.947,91	287,50					
7.047,91	283,29					
7.147,91	279,19					
7.247,91	275,20					
7.347,91	271,33					
7.447,91	267,57					
7.547,91	263,90					
7.647,91	260,34					
7.747,91	256,87					
7.847,91	253,49					
7.947,91	250,19					
8.047,91	246,98					
8.147,91	243,85					
8.247,91	240,80					
8.347,91	237,82					
8.447,91	234,91					
8.547,91	232,08					
8.647,91	229,31					
8.747,91	226,60					
8.847,91	223,96					
8.947,91	221,37					
9.047,91	218,85					
9.147,91	216,38					
9.247,91	213,96					
9.347,91	211,60					
9.447,91	209,29					
9.547,91	207,03					
9.647,91	204,82					
9.747,91	202,65					
9.847,91	200,52					
9.947,91	198,44					
10.047,91	196,41					
10.147,91	194,41					
10.247,91	192,45					
10.347,91	190,53					
10.447,91	188,65					
10.547,91	186,81					
10.647,91	185,00					

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Distance Downwind m	Flammable 18.8 s	Toxic s	ERPG s	IDLH s	STEL s	User s
10.747,91	183,22					
10.847,91	181,48					
10.947,91	179,77					
11.047,91	178,09					
11.147,91	176,44					
11.247,91	174,82					
11.347,91	173,23					
11.447,91	171,67					
11.547,91	170,14					
11.647,91	168,63					
11.747,91	167,15					
11.847,91	165,69					
11.947,91	164,26					
12.047,91	162,85					
12.147,91	161,47					
12.247,91	160,11					
12.347,91	158,77					
12.447,91	157,45					
12.547,91	156,16					
12.647,91	154,88					
12.747,91	153,63					
12.847,91	152,40					
12.947,91	151,18					
13.047,91	149,98					
13.147,91	148,81					
13.247,91	147,65					
13.347,91	146,50					
13.447,91	145,38					
13.547,91	144,27					
13.647,91	143,18					
13.747,91	142,10					
13.847,91	141,04					
13.947,91	140,00					
14.047,91	138,97					
14.147,91	137,95					
14.247,91	136,95					
14.347,91	135,97					
14.447,91	135,00					
14.547,91	134,04					
14.647,91	133,09					
14.747,91	132,16					
14.847,91	131,24					
14.947,91	130,33					
15.047,91	129,44					
15.147,91	128,55					
15.247,91	127,68					
15.347,91	126,82					
15.447,91	125,97					
15.547,91	125,13					
15.647,91	124,31					
15.747,91	123,49					
15.847,91	122,68					
15.947,91	121,89					

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ppm

Averaging time corrected concentrations

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Distance Downwind	Flammable	Toxic	ERPG	IDLH	STEL	User
m	18.8 s	s	s	s	s	s
16.047,91	121,10					
16.147,91	120,33					
16.247,91	119,56					
16.347,91	118,80					
16.447,91	118,06					
16.547,91	117,32					
16.647,91	116,59					
16.747,91	115,87					
16.847,91	115,16					
16.947,91	114,45					
17.047,91	113,76					
17.147,91	113,07					
17.247,91	112,39					
17.347,91	111,72					
17.447,91	111,06					
17.547,91	110,40					
17.647,91	109,75					
17.747,91	109,11					
17.847,91	108,48					
17.947,91	107,85					
18.047,91	107,24					
18.147,91	106,62					
18.247,91	106,02					
18.347,91	105,42					
18.447,91	104,83					
18.547,91	104,24					
18.647,91	103,66					
18.747,91	103,09					
18.847,91	102,52					
18.947,91	101,96					
19.047,91	101,40					
19.147,91	100,86					
19.247,91	100,31					
19.347,91	99,77					
19.447,91	99,24					
19.547,91	98,72					
19.647,91	98,19					
19.747,91	97,68					
19.847,91	97,17					
19.947,91	96,66					
20.047,91	96,16					
20.147,91	95,67					
20.247,91	95,18					
20.347,91	94,69					
20.447,91	94,21					
20.547,91	93,73					
20.647,91	93,26					
20.747,91	92,80					
20.847,91	92,33					
20.947,91	91,88					
21.047,91	91,42					
21.147,91	90,97					
21.247,91	90,53					

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ppm

Averaging time corrected concentrations

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Distance	Flammable	Toxic	ERPG	IDLH	STEL	User
Downwind	18.8					
m	s	s	s	s	s	s
21.347,91	90,09					
21.447,91	89,65					
21.547,91	89,22					
21.647,91	88,79					
21.747,91	88,37					
21.847,91	87,95					
21.947,91	87,53					
22.047,91	87,12					
22.147,91	86,71					
22.247,91	86,30					
22.347,91	85,90					
22.447,91	85,50					
22.547,91	85,11					
22.647,91	84,72					
22.747,91	84,33					
22.847,91	83,95					
22.947,91	83,57					
23.047,91	83,19					
23.147,91	82,82					
23.247,91	82,45					
23.347,91	82,08					
23.447,91	81,71					
23.547,91	81,35					
23.647,91	81,00					
23.747,91	80,64					
23.847,91	80,29					
23.947,91	79,94					
24.047,91	79,59					
24.147,91	79,25					
24.247,91	78,91					
24.347,91	78,57					
24.447,91	78,24					
24.547,91	77,91					
24.647,91	77,58					
24.747,91	77,25					
24.847,91	76,93					
24.947,91	76,61					
25.047,91	76,29					
25.147,91	75,97					
25.247,91	75,66					
25.347,91	75,35					
25.447,91	75,04					
25.547,91	74,73					
25.647,91	74,43					
25.747,91	74,13					
25.847,91	73,83					
25.947,91	73,53					
26.047,91	73,24					
26.147,91	72,94					
26.247,91	72,65					
26.347,91	72,37					
26.447,91	72,08					
26.547,91	71,80					

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Distance	Flammable	Toxic	ERPG	IDLH	STEL	User
Downwind	18.8					
m	s	s	s	s	s	s
26.647,91	71,52					
26.747,91	71,24					
26.847,91	70,96					
26.947,91	70,69					
27.047,91	70,41					
27.147,91	70,14					
27.247,91	69,88					
27.347,91	69,61					
27.447,91	69,34					
27.547,91	69,08					
27.647,91	68,82					
27.747,91	68,56					
27.847,91	68,30					
27.947,91	68,05					
28.047,91	67,80					
28.147,91	67,54					
28.247,91	67,30					
28.347,91	67,05					
28.447,91	66,80					
28.547,91	66,56					
28.647,91	66,31					
28.747,91	66,07					
28.847,91	65,83					
28.947,91	65,60					
29.047,91	65,36					
29.147,91	65,13					
29.247,91	64,89					
29.347,91	64,66					
29.447,91	64,43					
29.547,91	64,21					
29.647,91	63,98					
29.747,91	63,75					
29.847,91	63,53					
29.947,91	63,31					
30.047,91	63,09					
30.147,91	62,87					
30.247,91	62,65					
30.347,91	62,44					
30.447,91	62,22					
30.547,91	62,01					
30.647,91	61,80					
30.747,91	61,59					
30.847,91	61,38					
30.947,91	61,17					
31.047,91	60,97					
31.147,91	60,76					
31.247,91	60,56					
31.347,91	60,35					
31.447,91	60,15					
31.547,91	59,95					
31.647,91	59,76					
31.747,91	59,56					
31.847,91	59,36					

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ppm

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Distance	Flammable	Toxic	ERPG	IDLH	STEL	User
Downwind	18.8					
m	s	s	s	s	s	s
31.947,91	59,17					
32.047,91	58,98					
32.147,91	58,78					
32.247,91	58,59					
32.347,91	58,40					
32.447,91	58,21					
32.547,91	58,03					
32.647,91	57,84					
32.747,91	57,66					
32.847,91	57,47					
32.947,91	57,29					
33.047,91	57,11					
33.147,91	56,93					
33.247,91	56,75					
33.347,91	56,57					
33.447,91	56,39					
33.547,91	56,22					
33.647,91	56,04					
33.747,91	55,87					
33.847,91	55,70					
33.947,91	55,52					
34.047,91	55,35					
34.147,91	55,18					
34.247,91	55,01					
34.347,91	54,85					
34.447,91	54,68					
34.547,91	54,51					
34.647,91	54,35					
34.747,91	54,18					
34.847,91	54,02					
34.947,91	53,86					
35.047,91	53,70					
35.147,91	53,54					
35.247,91	53,38					
35.347,91	53,22					
35.447,91	53,06					
35.547,91	52,91					
35.647,91	52,75					
35.747,91	52,60					
35.847,91	52,44					
35.947,91	52,29					
36.047,91	52,14					
36.147,91	51,98					
36.247,91	51,83					
36.347,91	51,68					
36.447,91	51,54					
36.547,91	51,39					
36.647,91	51,24					
36.747,91	51,09					
36.847,91	50,95					
36.947,91	50,80					
37.047,91	50,66					
37.147,91	50,52					

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Centerline Molar Concentrations for Multiple Averaging Times

ppm

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Distance	Flammable	Toxic	ERPG	IDLH	STEL	User
Downwind	18.8					
m	s	s	s	s	s	s
37.247,91	50,37					
37.347,91	50,23					
37.447,91	50,09					
37.547,91	49,95					
37.647,91	49,81					
37.747,91	49,67					
37.847,91	49,54					
37.947,91	49,40					
38.047,91	49,26					
38.147,91	49,13					
38.247,91	48,99					
38.347,91	48,86					
38.447,91	48,73					
38.547,91	48,59					
38.647,91	48,46					
38.747,91	48,33					
38.847,91	48,20					
38.947,91	48,07					
39.047,91	47,94					
39.147,91	47,81					
39.247,91	47,68					
39.347,91	47,55					
39.447,91	47,43					
39.547,91	47,30					
39.647,91	47,18					
39.747,91	47,05					
39.847,91	46,93					
39.947,91	46,80					
40.047,91	46,68					
40.147,91	46,56					
40.247,91	46,44					
40.347,91	46,32					
40.447,91	46,20					
40.547,91	46,08					
40.647,91	45,96					
40.747,91	45,84					
40.847,91	45,72					
40.947,91	45,60					
41.047,91	45,49					
41.147,91	45,37					
41.247,91	45,25					
41.347,91	45,14					
41.447,91	45,02					
41.547,91	44,91					
41.647,91	44,80					
41.747,91	44,68					
41.847,91	44,57					
41.947,91	44,46					
42.047,91	44,35					
42.147,91	44,24					
42.247,91	44,13					
42.347,91	44,02					
42.447,91	43,91					

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Distance Downwind m	Flammable 18.8 s	Toxic s	ERPG s	IDLH s	STEL s	User s
42.547,91	43,80					
42.647,91	43,69					
42.747,91	43,59					
42.847,91	43,48					
42.947,91	43,37					
43.047,91	43,27					
43.147,91	43,16					
43.247,91	43,05					
43.347,91	42,95					
43.447,91	42,85					
43.547,91	42,74					
43.647,91	42,64					
43.747,91	42,54					
43.847,91	42,43					
43.947,91	42,33					
44.047,91	42,23					
44.147,91	42,13					
44.247,91	42,03					
44.347,91	41,93					
44.447,91	41,83					
44.547,91	41,73					
44.647,91	41,63					
44.747,91	41,54					
44.847,91	41,44					
44.947,91	41,34					
45.047,91	41,25					
45.147,91	41,15					
45.247,91	41,05					
45.347,91	40,96					
45.447,91	40,86					
45.547,91	40,77					
45.647,91	40,67					
45.747,91	40,58					
45.847,91	40,49					
45.947,91	40,39					
46.047,91	40,30					
46.147,91	40,21					
46.247,91	40,12					
46.347,91	40,03					
46.447,91	39,94					
46.547,91	39,85					
46.647,91	39,76					
46.747,91	39,67					
46.847,91	39,58					
46.947,91	39,49					
47.047,91	39,40					
47.147,91	39,31					
47.247,91	39,22					
47.347,91	39,14					
47.447,91	39,05					
47.547,91	38,96					
47.647,91	38,88					
47.747,91	38,79					

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Distance Downwind	Flammable	Toxic	ERPG	IDLH	STEL	User
m	18.8 s	s	s	s	s	s
47.847,91	38,71					
47.947,91	38,62					
48.047,91	38,54					
48.147,91	38,45					
48.247,91	38,37					
48.347,91	38,28					
48.447,91	38,20					
48.547,91	38,12					
48.647,91	38,03					
48.747,91	37,95					
48.847,91	37,87					
48.947,91	37,79					
49.047,91	37,71					
49.147,91	37,63					
49.247,91	37,55					
49.347,91	37,47					
49.447,91	37,39					
49.547,91	37,31					
49.647,91	37,23					
49.747,91	37,15					
49.847,91	37,07					
49.947,91	36,99					
50.047,91	36,91					
50.047,91	36,91					
Segment Number:		3				
0,11	14.391,52					
0,21	14.379,18					
0,41	14.359,35					
0,81	14.306,89					
1,61	14.181,76					
3,21	13.821,32					
4,81	13.355,96					
8,01	12.310,94					
9,61	11.887,19					
12,81	11.149,93					
16,01	10.482,74					
22,41	9.323,12					
35,21	7.526,45					
48,01	6.190,83					
73,61	4.429,74					
99,21	3.306,09					
105,61	3.126,61					
112,01	2.971,05					
124,81	2.695,36					
150,41	2.259,41					
201,61	1.672,33					
252,81	1.294,76					
352,81	866,22					
452,81	622,33					
552,81	472,40					
652,81	371,99					
752,81	301,52					
852,81	249,91					

AVERAGING TIMES

Unique Audit Number:

534



Study Folder: TOP EVENT 23

PHAST v6.00

Centerline Molar Concentrations for Multiple Averaging Times

ppm

Averaging time corrected concentrations

Note that this is the only report that reflects duration adjusted / corrected concentrations

Distance	Flammable	Toxic	ERPG	IDLH	STEL	User
Downwind	18.8					
m	s	s	s	s	s	s
952,81	210,92					
1.052,81	180,69					
1.152,81	156,75					
1.252,81	137,43					
1.352,81	121,62					
1.452,81	108,49					
1.552,81	97,46					
1.652,81	88,10					
1.752,81	80,09					
1.852,81	73,17					
1.952,81	67,15					
2.052,81	61,88					
2.152,81	57,24					
2.252,81	53,12					
2.352,81	49,46					
2.452,81	46,18					
2.552,81	43,24					
2.652,81	40,58					
2.752,81	38,18					
2.852,81	36,00					
2.952,81	34,01					
3.052,81	32,19					
3.152,81	30,52					
3.252,81	28,98					
3.352,81	27,57					
3.452,81	26,26					
3.552,81	25,05					
3.652,81	23,93					
3.752,81	22,89					
3.852,81	21,91					
3.952,81	21,01					
4.052,81	20,16					
4.152,81	19,37					
4.252,81	18,62					
4.352,81	17,92					
4.452,81	17,27					
4.552,81	16,65					
4.652,81	16,06					
4.752,81	15,51					
4.852,81	14,99					
4.952,81	14,50					
5.052,81	14,03					
5.152,81	13,59					
5.252,81	13,17					
5.352,81	12,77					
5.452,81	12,39					
5.552,81	12,02					
5.652,81	11,68					
5.752,81	11,35					
5.852,81	11,04					
5.952,81	10,74					
6.052,81	10,45					
6.152,81	10,17					

AVERAGING TIMES

Unique Audit Number:

534



Study Folder: TOP EVENT 23

PHAST v6.00

Centerline Molar Concentrations for Multiple Averaging Times

ppm

Averaging time corrected concentrations

Note that this is the only report that reflects duration adjusted / corrected concentrations

Distance	Flammable	Toxic	ERPG	IDLH	STEL	User
Downwind	18.8					
m	s	s	s	s	s	s

6.252,81 9,91

6.252,81 9,91

**Weather:****Category 5/D****Speed:****5,00 m/s****Stability:****D**

TOP EVENT 23\Propane spill out\LPG tanks

Material: PROPANE

Centerline Molar Concentrations for Multiple Averaging Times

ppm

Averaging time corrected concentrations

Note that this is the only report that reflects duration adjusted / corrected concentrations

Distance	Flammable	Toxic	ERPG	IDLH	STEL	User
Downwind	18.8					
m	s	s	s	s	s	s

Segment Number:**1**

0,00 1.000.000,00

0,01 1.000.000,00

0,11 987.080,23

Segment Number:**2**

0,11 987.194,15

0,31 961.943,26

0,71 914.887,77

1,51 832.662,80

3,11 704.307,83

6,31 536.598,88

12,71 363.994,94

19,11 277.520,56

25,51 225.791,73

38,31 166.122,85

51,11 132.456,39

57,51 120.638,46

63,91 111.006,46

76,71 96.391,80

89,51 84.153,32

102,31 72.300,85

115,11 61.420,74

140,71 43.700,47

166,31 31.270,06

191,91 22.911,70

217,51 17.285,80

243,11 13.433,24

268,71 10.745,09

319,91 7.361,96

371,11 5.376,05

Date: 13/01/2014

13 of 17

Time: 9.55.33

AVERAGING TIMES

Unique Audit Number:

534



Study Folder: TOP EVENT 23

PHAST v6.00

Centerline Molar Concentrations for Multiple Averaging Times

ppm

Averaging time corrected concentrations

Note that this is the only report that reflects duration adjusted / corrected concentrations

Distance Downwind m	Flammable 18.8 s	Toxic s	ERPG s	IDLH s	STEL s	User s
422,31	4.107,66					
473,51	3.254,52					
524,71	2.668,33					
624,71	1.943,15					
724,71	1.499,97					
824,71	1.205,58					
924,71	997,43					
1.024,71	843,51					
1.124,71	725,74					
1.224,71	633,15					
1.324,71	558,74					
1.424,71	497,86					
1.524,71	447,27					
1.624,71	404,69					
1.724,71	368,44					
1.824,71	337,27					
1.924,71	310,25					
2.024,71	286,63					
2.124,71	265,85					
2.224,71	247,45					
2.324,71	231,07					
2.424,71	216,40					
2.524,71	203,22					
2.624,71	191,31					
2.724,71	180,52					
2.824,71	170,69					
2.924,71	161,73					
3.024,71	153,52					
3.124,71	145,97					
3.224,71	139,02					
3.324,71	132,61					
3.424,71	126,67					
3.524,71	121,15					
3.624,71	116,03					
3.724,71	111,26					
3.824,71	106,80					
3.924,71	102,63					
4.024,71	98,73					
4.124,71	95,07					
4.224,71	91,63					
4.324,71	88,39					
4.424,71	85,34					
4.524,71	82,46					
4.624,71	79,73					
4.724,71	77,16					
4.824,71	74,72					
4.924,71	72,41					
5.024,71	70,21					
5.124,71	68,12					
5.224,71	66,14					
5.324,71	64,25					
5.424,71	62,45					
5.524,71	60,73					

AVERAGING TIMES

Unique Audit Number:

534



Study Folder: TOP EVENT 23

PHAST v6.00

Centerline Molar Concentrations for Multiple Averaging Times

ppm

Averaging time corrected concentrations

Note that this is the only report that reflects duration adjusted / corrected concentrations

Distance Downwind m	Flammable 18.8 s	Toxic s	ERPG s	IDLH s	STEL s	User s
5.624,71	59,09					
5.724,71	57,52					
5.824,71	56,02					
5.924,71	54,59					
6.024,71	53,22					
6.124,71	51,90					
6.224,71	50,64					
6.324,71	49,43					
6.424,71	48,26					
6.524,71	47,14					
6.624,71	46,07					
6.724,71	45,03					
6.824,71	44,04					
6.924,71	43,08					
7.024,71	42,15					
7.124,71	41,26					
7.224,71	40,40					
7.324,71	39,57					
7.424,71	38,77					
7.524,71	38,00					
7.624,71	37,25					
7.724,71	36,52					
7.824,71	35,82					
7.924,71	35,15					
8.024,71	34,49					
8.124,71	33,85					
8.224,71	33,24					
8.324,71	32,64					
8.424,71	32,06					
8.524,71	31,50					
8.624,71	30,95					
8.724,71	30,42					
8.824,71	29,91					
8.924,71	29,41					
9.024,71	28,92					
9.124,71	28,45					
9.224,71	27,99					
9.324,71	27,54					
9.424,71	27,11					
9.524,71	26,69					
9.624,71	26,27					
9.724,71	25,87					
9.824,71	25,48					
9.924,71	25,10					
10.024,71	24,73					
10.124,71	24,37					
10.224,71	24,01					
10.324,71	23,67					
10.424,71	23,33					
10.524,71	23,01					
10.624,71	22,69					
10.724,71	22,37					
10.824,71	22,07					

AVERAGING TIMES

Unique Audit Number:

534



Study Folder: TOP EVENT 23

PHAST v6.00

Centerline Molar Concentrations for Multiple Averaging Times

ppm

Averaging time corrected concentrations

Note that this is the only report that reflects duration adjusted / corrected concentrations

Distance	Flammable	Toxic	ERPG	IDLH	STEL	User
Downwind	18.8					
m	s	s	s	s	s	s
10.924,71	21,77					
11.024,71	21,48					
11.124,71	21,20					
11.224,71	20,92					
11.324,71	20,65					
11.424,71	20,38					
11.524,71	20,12					
11.624,71	19,86					
11.724,71	19,62					
11.824,71	19,37					
11.924,71	19,13					
12.024,71	18,90					
12.124,71	18,67					
12.224,71	18,45					
12.324,71	18,23					
12.424,71	18,01					
12.524,71	17,80					
12.624,71	17,60					
12.724,71	17,40					
12.824,71	17,20					
12.924,71	17,00					
13.024,71	16,81					
13.124,71	16,63					
13.224,71	16,44					
13.324,71	16,26					
13.424,71	16,09					
13.524,71	15,91					
13.624,71	15,74					
13.724,71	15,58					
13.824,71	15,41					
13.924,71	15,25					
14.024,71	15,09					
14.124,71	14,94					
14.224,71	14,79					
14.324,71	14,64					
14.424,71	14,49					
14.524,71	14,34					
14.624,71	14,20					
14.724,71	14,06					
14.824,71	13,93					
14.924,71	13,79					
15.024,71	13,66					
15.124,71	13,53					
15.224,71	13,40					
15.324,71	13,27					
15.424,71	13,15					
15.524,71	13,03					
15.624,71	12,91					
15.724,71	12,79					
15.824,71	12,67					
15.924,71	12,56					
16.024,71	12,44					
16.124,71	12,33					

AVERAGING TIMES

Unique Audit Number:

534



Study Folder: TOP EVENT 23

PHAST v6.00

Centerline Molar Concentrations for Multiple Averaging Times

ppm

Averaging time corrected concentrations

Note that this is the only report that reflects duration adjusted / corrected concentrations

Distance	Flammable	Toxic	ERPG	IDLH	STEL	User
Downwind	18.8					
m	s	s	s	s	s	s

16.224,71	12,22
16.324,71	12,12
16.424,71	12,01
16.524,71	11,91
16.624,71	11,80
16.724,71	11,70
16.824,71	11,60
16.924,71	11,50
17.024,71	11,41
17.124,71	11,31
17.224,71	11,22
17.324,71	11,12
17.424,71	11,03
17.524,71	10,94
17.624,71	10,85
17.724,71	10,77
17.824,71	10,68
17.924,71	10,60
18.024,71	10,51
18.124,71	10,43
18.224,71	10,35
18.324,71	10,27
18.424,71	10,19
18.524,71	10,11
18.624,71	10,03
18.724,71	9,96
18.724,71	9,96

Segment Number:

3

0,11	2.346,75
0,21	2.344,72
0,41	2.335,29
0,81	2.305,12
1,61	2.246,23
3,21	2.134,93
6,41	1.935,52
12,81	1.611,41
25,61	1.166,81
51,21	692,27
76,81	456,01
102,41	323,53
128,01	246,37
179,21	158,05
279,21	83,46
379,21	52,05
479,21	35,82
579,21	26,29
679,21	20,20
779,21	16,06
879,21	13,11
979,21	10,93
1.079,21	9,27
1.079,21	9,27