K m E viro m tal Servi es -OVL
V l til Q lity Control Summary

Workgroup #	W G60970	**R n Dat**	7 14/99	SMPL Num.	07 143-05	**LCS DF**	1
M thod	8260B	**Instrument ID**	HPMS9	SMPL FLNM.	9M4104 D	**SMPL DF**	10
Matrix	WATER	**BLK FLNM**	9M4094 D	MS FLNM	9M4105 D	**MS DF**	10
Units	ug/L	**LCS FLNM.**	9M4095 D	MSD FLNM.	9M4106 D	**MSD DF**	10

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	BLK	LCS	LCS Spike Level	SMPL	MS	MSD	MS Spik Lev l	BLK	LCS	LCS LCL	LCS UCL	Sampl	MS	MSD	MS LCL	MSD UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPD
Targ t Analyt	ug/L	ug L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	%	%	%	%	%	%	%	%	%	%	%						
hexanone	1 39	ND	17 96	20 0	ND	209 35	215 96	200.0	ND	89 8	57 0	130 0	ND	104 7	108 0	57 0	130 0	3 1	31 0						
1 3 dichlo opropan	0 33	ND	20 31	20 0	ND	209 58	208 68	200 0	ND	101 6	78 0	123 0	ND	104 8	104 3	78 0	123 0	0 4	15 0						
t trachloroethene	0 8	ND	20 79	20 0	ND	206 97	205 90	200 0	ND	104 0	83 0	124 0	ND	103 5	103 0	83 0	124 0	0 5	15 0						
d b mochl m thane	0 45	ND	1 55	20 0	ND	228 48	229 80	200 0	ND	107 8	78 0	123 0	ND	114 2	114 9	78 0	123 0	0 6	18 0						
1 -dibromoethan	0 33	ND	19 96	20 0	ND	210 00	12 19	200 0	ND	99 8	79 0	123 0	ND	105 0	106 1	79 0	123 0	1 0	15 0						
l chlo hexane	NTC	ND	NS	20 0	ND	NS	NS	200 0	ND	NA	60 0	140 0	ND	NA	NA	60 0	140 0	NA	NA						
nlorobenzene	0 8	ND	1 66	20 0	ND	219 58	16 45	200 0	ND	108 3	70 0	130 0	ND	109 8	108 2	87 0	118 0	1 4	15 0						
1 1 1 t tra hloroethan	0 61	ND	22 22	20 0	ND	224 67	222 98	200 0	ND	111 1	82 0	123 0	ND	112 3	111 5	82 0	123 0	0 8	15 0						
thylbenzene	0 27	ND	21 83	20 0	ND	221 01	21 28	200.0	ND	109 2	85 0	121 0	ND	110 5	108 6	85 0	121 0	1 7	15 0						
m+p-xyl n	0 40	ND	44 80	40 0	ND	454 34	446 99	400 0	ND	112 0	86 0	1 1 0	ND	113 6	111 7	86 0	121 0	1 6	15 0						
o-xyl n	0	ND	21 7	20 0	ND	19 96	17 31	00 0	ND	108 9	85 0	121 0	ND	110 0	108 7	85 0	1 1 0	1 2	15 0						
tyr ne	0 28	ND	75	0 0	ND	231 82	227 31	200 0	ND	113 8	84 0	120 0	ND	115 9	113 7	84 0	120 0	2 0	15 0						
b mot rm	0 53	ND	21 64	0 0	ND	27 64	226 34	00 0	ND	108 2	73 0	124 0	ND	113 8	113 2	73 0	1 4 0	0 6	2 0						
isop pylbenzen	0 2	ND	22 53	20 0	ND	226 54	223 30	200 0	ND	112 7	81 0	124 0	ND	113 3	111 7	81 0	124 0	1 4	15 0						
1 1 t trachloroethane	0 6	ND	19 99	0 0	ND	18 23	19 08	200 0	ND	100 0	72 0	132 0	ND	109 1	109 5	72 0	132 0	0 4	23 0						
1 3 tri hlo p opane	0 92	ND	19 71	20 0	ND	211 81	212 35	200 0	ND	98 6	72 0	132 0	ND	105 9	106 2	72 0	132 0	0 3	21 0						
trans 1 4-di hloro buten	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	60 0	140 0	ND	NS	NS	60 0	140 0	NA	00 0						
p pyl b zen	0 19	ND	21 97	20 0	ND	219 82	220 78	200 0	ND	109 9	82 0	125 0	ND	109 9	110 4	8 0	125 0	0 4	15 0						
b om benzen	0 3	ND	3	20 0	ND	206 11	207 32	200 0	ND	101 2	84 0	120 0	ND	103 1	103 7	84 0	120 0	0 6	15 0						
1 3 5 trim thylbenze	0 2	ND	1 43	20 0	ND	214 55	215 66	200 0	ND	107 2	82 0	125 0	ND	107 3	107 8	82 0	1 5 0	0 5	15 0						
2-chlo otoluen	0 38	ND	0 21	0 0	ND	206 14	206 32	200 0	ND	101 1	80 0	128 0	ND	103 1	103 2	80 0	128 0	0 1	15 0						
4 hlo otolu ne	0 30	ND	21 41	20 0	ND	21 83	12 31	200 0	ND	107 1	80 0	127 0	ND	106 4	106 2	80 0	127 0	0 2	15 0						
alpha m thyl tyr n	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tert butyl benzen	0 27	ND	21 64	20 0	ND	218 03	218 96	200 0	ND	108 2	80 0	121 0	ND	109 0	109 5	80 0	121 0	0 4	15 0						
1 4 trimethylbenzen	0	ND	20 64	0 0	ND	205 88	206 61	200 0	ND	103 2	84 0	125 0	ND	102 9	103 3	84 0	1 5 0	0 4	15 0						
ec b tyl benzene	0 23	ND	0 79	0 0	ND	208 41	209 19	200 0	ND	104 0	80 0	125 0	ND	104 2	104 6	80 0	125 0	0 4	15 0						
p-isop opyl-toluene	0 0	ND	20 32	20 0	ND	201 45	201 60	200 0	ND	101 6	79 0	133 0	ND	100 7	100 8	79 0	133 0	0 1	15 0						
1 3-di hlorobenzen	0 32	ND	0 47	20 0	ND	207 43	206 26	200 0	ND	102 4	70 0	130 0	ND	103 7	103 1	70 0	130 0	0 6	15 0						
1 4-di hlorobenzene	0 7	ND	20 5	20 0	ND	205 62	206 1	200 0	ND	101 3	70 0	130 0	ND	102 8	103 1	70 0	130 0	0 3	15 0						
n butyl benzen	0 33	ND	20 33	0 0	ND	00 17	01 06	200 0	ND	101 7	78 0	128 0	ND	100 1	100 5	78 0	128 0	0 4	17 0						
1 -d hlorobenzen	0 30	ND	20 75	20 0	ND	12 56	213 14	200 0	ND	103 8	70 0	130 0	ND	106 3	106 6	70 0	130 0	0 3	15 0						
1 d bromo-3-chlo p opan	1 0	ND	18 81	20 0	ND	209 54	212 89	200 0	ND	94 1	69 0	1 5 0	ND	104 8	106 4	69 0	1 5 0	1 6	26 0						
4 tri hl obe z	0 4	ND	18 8	0	ND	194 0	196 06	00 0	ND	93 9	4 0	1 4 0	ND	97 0	98 0	74 0	1 4 0	1 0	0						
l hlo obut d n	0 15	0 51	15 37	0 0	ND	149	152 58	200 0	0	6 9	67 0	131 0	ND	74 9	76 3	67 0	131 0	1 9	26 0						
naphthal ne	0 51	ND	19 91	20 0	ND	19 63	274 13	00 0	ND	99 6	69 0	1 6 0	ND	109 8	112 1	69 0	126 0	2 0	24 0						
1 tr hl obenz n	0 31	ND	18 61	20 0	ND	00 64	202 43	200 0	ND	93 1	60 0	137 0	ND	100 3	101 2	60 0	137 0	0 9	33 0						
Surrogat																									
d bromofluoromethane		24 14	4 7	25 0	24 50	24 88	24 87	25 0	96 6	98 9	86	118	98 0	99 5	99 5										
1 2-di hlo oethan d4		23 57	23 90	25 0	25 83	4 86	24 19	25 0	94 3	95 6	80	120	103 3	99 4	96 8										
tol ne-d8		6 50	6 13	25 0	5 45	25 71	25 77	25 0	106 0	104 5	88	110	101 8	102 8	103 1										
p b fl benzen		25 95	4 40	25 0	6 21	24 33	24 66	25 0	103 8	97 6	86	115	104 8	97 3	98 6										

Not and Definitions

MDL M thod Detecti n Limit
BLK Method Blank
LCS Labo tory Control Sampl
MS SD Matrix Spike / Matrix Spik Dupl te

LCL= Low r C ntrol Limit
UCL= Upper Control Limit
H Abov control limit
L Below control limit

ND= Non Detected
RPD= Relative Percent Difference
NS=Not spiked
NA=Not applicable

DF D lution Fa t

K m n En ironmental Services -OVL
Volatile Quality Control Summary

Workgroup #	WG60972	Run Date	7/14/99	SMPL Num	07-022-02	LCS DF	1
Method	8260B	Instrument ID	HPMS8	SMPL FLNM	8M9653 D	SMPL DF	5
Matrix	WATER	BLK FLNM	8M9643 D	MS FLNM	8M9654 D	MS DF	5
U its	ug/L	LCS FLNM	8M9644.D	MSD FLNM	8M9655 D	MSD DF	5

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	Blank	LCS	LCS Spike Le el	Sample	MS	MSD	MS Spik Level	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MS UCL	MS RPD	RPD UCL	Blank	LCS	Sampl	MS	MSD	RPD
Target Analytes	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	g/L	%	%	%	%	%	%	%	%	%	%	%						
dichlorodifluoromethane	0.26	ND	23 93	20 0	ND	21.00	33 00	100.0	ND	119 7	10 0	153 0	ND	21 0	33 0	10 0	153 0	44.4	42.0						H
hl omethan	0 52	ND	20 49	20 0	ND	56 50	56 53	100 0	ND	102 5	49 0	129 0	ND	56 5	56 5	49 0	129 0	0 1	30 0						
vinyl hl rid	0 30	ND	21 85	20 0	ND	44.46	48 79	100 0	ND	109 3	57 0	135 0	ND	44 5	48.8	57 0	135 0	9.3	30 0				L	L	
bromomethane	0 68	ND	22 09	20 0	ND	67 56	66 92	100 0	ND	110 5	58 0	140 0	ND	67 6	66 9	58 0	140 0	1 0	39 0						
chloroethane	0.44	ND	20 99	20 0	ND	55 30	56 91	100 0	ND	105 0	69 0	126 0	ND	55 3	56.9	69 0	126 0	2 9	27 0				L	L	
trichlorofl romethane	0 32	ND	23 49	20 0	ND	41 35	48 75	100 0	ND	117 5	67 0	152 0	ND	41 4	48 8	67 0	152 0	16 4	22 0				L	L	
soprene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
crolein	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 1,2 tri hl o-1 ..,2 trifluoroethane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
acetone	4 26	ND	20 89	20 0	ND	108 66	109 80	100 0	ND	104 5	40 0	142 0	ND	108 7	109.8	40 0	142 0	1 0	40 0						
1 1-d hloroethene	0 31	ND	21 84	20 0	ND	48.12	51 42	100 0	ND	109.2	81 0	130 0	ND	48 1	51.4	81 0	130 0	6 6	18 0				L	L	
dimethyl sulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
odomethane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
m thyle e hl nde	0 74	ND	21 87	20 0	3 33	94 88	87 64	100 0	ND	109 4	76 0	125 0	3.3	91 6	84.3	76 0	125 0	7 9	19 0						
arbon disulfide	0...3	ND	21 82	20.0	ND	45 48	53 12	100.0	ND	109 1	70 0	138.0	ND	45 5	53 1	70 0	138.0	15 5	20 0				L	L	
crylo trile	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
m thyl tert butyl ether	NTC	ND	NS	NS	1 42	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tr 1 2-dichloroethene	0 22	ND	22 37	20 0	2.75	70 14	69 69	100 0	ND	111 9	86 0	135 0	2 8	67 4	66 9	86 0	135 0	0 6	16 0				L	L	
n-hexane	NTC	ND	NS	NS	1 05	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
ı yl acetate	1 00	ND	32 77	20 0	ND	155 16	162 64	100 0	ND	163 9	10 0	136 0	ND	155 2	162 6	10 0	136 0	4 7	66 0		H		H	H	
1 1-dichloroethane	0 23	ND	1 30	20 0	ND	73 69	72 95	100.0	ND	106 5	84.0	127 0	ND	73 7	73 0	84 0	127 0	1 0	15 0				L	L	
2 b tanone	2 00	ND	22 48	20 0	ND	113 27	117 56	100 0	ND	112 4	61 0	137 0	ND	113 3	117 6	61 0	137 0	3 7	30 0						
,2-dichloropropane	0.26	ND	23 78	20 0	ND	65 18	66.88	100.0	ND	118 9	79 0	130.0	ND	65.2	66 9	79 0	130 0	2.6	17 0				L	L	
s 1 2-dichlo ethene	0 24	ND	20 86	20 0	186 56	220 07	231 52	100 0	ND	104 3	82.0	121 0	186 6	33 5	45 0	82 0	121 0	5 1	15 0				L	L	
chl roform	0.21	ND	21 87	20 0	ND	82.94	82 51	100 0	ND	109 4	85 0	121 0	ND	82.9	82 5	85 0	121 0	0 5	15 0				L	L	
b mochlor methane	0 21	ND	22 10	20 0	ND	96 48	99 43	100 0	ND	110 5	85 0	121 0	ND	96 5	99 4	85 0	121 0	3 0	15 0						
1 1 1 trichloroethane	0 30	ND	_3 30	0 0	ND	66.60	68 48	100.0	ND	116 5	78 0	127 0	ND	66 6	68.5	78 0	127 0	2 8	17 0				L	L	
ycl hexan	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 1-dichloropropene	0 29	ND	24 33	20.0	ND	63 45	65 36	100.0	ND	121 7	91 0	133.0	ND	63 5	65 4	91 0	133 0	3 0	15 0				L	L	
carb n tetrachloride	0 30	ND	23 95	20 0	ND	63.20	65 67	100 0	ND	119 8	70 0	130 0	ND	63 2	65 7	70 0	130 0	3 8	20 0				L	L	
1 2 dichloroethane	0 17	ND	21 97	20.0	ND	101 87	101 74	100.0	ND	109 9	78 0	128.0	ND	101.9	101 7	78 0	128 0	0 1	17 0						
benzene	0 20	ND	20 94	20 0	ND	71 98	71 46	100 0	ND	104 7	87 0	118 0	ND	72 0	71.5	87 0	118 0	0 7	15 0				L	L	
tri hloroethene	0.30	ND	21 90	20 0	153 87	178 10	188 92	100 0	ND	109 5	83 0	123 0	153 9	24.2	35 1	83 0	123 0	5 9	15 0				L	L	
1 2-dichl ropropane	0 20	ND	20 23	20 0	ND	77 91	79 24	100 0	ND	101 2	81 0	121 0	ND	77 9	79 2	81 0	121 0	1 7	15 0				L	L	
b iod chloromethane	0 24	ND	_2 15	20 0	ND	93 13	92 53	100 0	ND	110 8	81 0	126 0	ND	93 1	92.5	81 0	126 0	0 6	16 0						
d bromomethane	0 25	ND	21 54	20 0	ND	100 80	102 56	100 0	ND	107 7	83 0	122 0	ND	100 8	102 6	83 0	122 0	1 7	15 0						
hloroethylvinyl ether	0 79	ND	127 25	20 0	ND	8.23	39 74	100.0	ND	636 3	45 0	154 0	ND	8 2	39 7	45 0	154.0	131 4	46 0		H		L	L	H
4-methyl 2 pentanone	1 27	ND	21 76	20 0	ND	104 02	109 38	100 0	ND	108 8	66 0	132 0	ND	104 0	109 4	66 0	132 0	5 0	33 0						
1,3-di hloropropene	0 15	ND	21.84	20 0	ND	90 00	90.89	100.0	ND	109 2	82 0	124 0	ND	90 0	90 9	82 0	124.0	1 0	15 0						
dimethyl disulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
toluen	0 21	ND	21 40	20 0	ND	71 37	71.51	100 0	ND	107 0	84.0	123 0	ND	71 4	71 5	84.0	123 0	0 2	15 0				L	L	
ethyl methacrylate	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
trans 1 3-dichloropropene	0.33	ND	20 92	20 0	ND	90 96	93 79	100 0	ND	104.6	80.0	124 0	ND	91 0	93.8	80 0	124 0	3 1	15 0						
1 1 trichl roethane	0 45	ND	20 58	20 0	ND	93 67	94 78	100 0	ND	102 9	78 0	122 0	ND	93 7	94.8	78 0	122 0	1.2	15 0						

Kemro E ironmental Services -OVL
V olatile Quality Control Summary

W rkgroup #	WG60972	Run Date	7/14/99	SMPL Num	07-022-02	LCS DF	1
Method	8 60B	Instrume t ID	HPMS8	SMPL FLNM	8M9653 D	SMPL DF	5
Matrix	WATER	BLK FLNM	8M9643 D	MS FLNM	8M9654 D	MS DF	5
Units	ug/L	LCS FLNM	8M9644 D	MSD FLNM	8M9655 D	MSD DF	5

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	BLK	LCS	LCS Spike Level	SMPL	MS	MSD	MS Spike Le el	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MSD UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPD
Targ t Analytes	g/L	g/L	g/L	ug/L	ug/L	ug/L	ug/L	ug/L		%	%	%	%	%	%	%	%	%	%						
hexanone	1 39	ND	1 99	0 0	ND	109.37	113 92	100 0	ND	110 0	57 0	130 0	ND	109 4	113 9	57 0	130 0	4 1	31 0						
1 3-dichloropropane	0 33	ND	20 45	20 0	ND	91 68	93 69	100 0	ND	102 3	78 0	123 0	ND	91 7	93 7	78 0	123 0	2 2	15 0						
tetrachloroethene	0.28	ND	21.39	20.0	8 93	64 85	67 75	100.0	ND	107 0	83 0	124.0	8 9	55 9	58 8	83 0	124.0	4 4	15 0				L	L	
d b mochl romethane	0 45	ND	21 94	20 0	ND	100 14	100 50	100 0	ND	109 7	78 0	123 0	ND	100 1	100.5	78 0	123 0	0 4	18 0						
1 2 dibromoethane	0.33	ND	20.91	20 0	ND	97 11	100 93	100 0	ND	104 6	79 0	123 0	ND	97 1	100 9	79 0	123 0	3 9	15 0						
1-chlo hexane	NTC	ND	0 12	20 0	ND	0 77	0 88	100 0	ND	0 6	60 0	140 0	ND	0 8	0 9	60 0	140 0	13 3	NA		L		L	L	
chlorobenzene	0 28	ND	21 40	20 0	ND	81 15	81 84	100 0	ND	107 0	70 0	130 0	ND	81.2	81 8	87 0	118 0	0 8	15 0				L	L	
1 1 1 2 tetra hloroethan	0 61	ND	22 35	20 0	ND	92.72	93 75	100 0	ND	111 8	82 0	123 0	ND	92 7	93 8	82 0	123 0	1 1	15 0						
thylbenzene	0 27	ND	1 62	20 0	ND	72.56	72 73	100 0	ND	108 1	85 0	121 0	ND	72 6	72.7	85 0	121 0	0.2	15 0				L	L	
m+p-xylene	0 40	ND	42 88	40 0	ND	146 22	147 26	200 0	ND	107 2	86 0	121 0	ND	73 1	73 6	86 0	121 0	0 7	15 0				L	L	
o xylene	0 2	ND	1.34	20.0	ND	77 01	76 98	100 0	ND	106 7	85 0	121 0	ND	77 0	77 0	85 0	121 0	0 0	15 0				L	L	
styr	0 28	ND	21 48	20 0	ND	82 47	83 17	100 0	ND	107 4	84 0	120 0	ND	82 5	83 2	84 0	120 0	0 8	15 0				L	L	
bromoform	0 53	ND	19.95	20 0	ND	95 64	98 82	100 0	ND	99 8	73 0	124 0	ND	95 6	98 8	73 0	124 0	3 3	22.0						
sopr pylbenzene	0.22	ND	21 56	20 0	ND	68 57	69 18	100 0	ND	107 8	81 0	124 0	ND	68 6	69 2	81 0	124 0	0 9	15 0				L	L	
1 1 2 2 tetrachloroethane	0 67	ND	20 17	20 0	ND	97 43	101 60	100 0	ND	100 9	72.0	132 0	ND	97 4	101 6	72.0	132 0	4.2	23 0						
1 2,3 tri hloropropane	0 92	ND	21 43	20 0	ND	110 15	112 84	100 0	ND	107 2	72 0	132 0	ND	110 2	112 8	72 0	132 0	2 4	21 0						
trans-1 4-dichloro- butene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	60 0	140 0	ND	NS	NS	60 0	140 0	NA	20 0						
propyl benzene	0 19	ND	22 14	20 0	ND	70 46	71 56	100 0	ND	110 7	82 0	125 0	ND	70 5	71 6	82 0	125 0	1 5	15 0				L	L	
b omobenzene	0.37	ND	20 63	20 0	ND	84 17	85 92	100 0	ND	103 2	84 0	120 0	ND	84.2	85 9	84 0	120 0	2.1	15 0						
1 3 trimethylbenzene	0 22	ND	21 7	20 0	ND	76 01	76 12	100 0	ND	108 4	82 0	1 5 0	ND	76 0	76 1	82 0	125 0	0 1	15 0				L	L	
2-chlorotoluene	0.38	ND	21 18	20 0	ND	75 92	77 51	100 0	ND	105 9	80 0	128 0	ND	75 9	77 5	80 0	128 0	2.1	15 0				L	L	
4-chlorotoluene	0.30	ND	21 28	20 0	ND	80 71	80 18	100 0	ND	106 4	80 0	127 0	ND	80 7	80.2	80 0	127 0	0 7	15 0						
alpha methyl-styrene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tert b tyl-benzene	0.27	ND	20 08	20 0	ND	64 88	66.33	100 0	ND	100 4	80 0	121 0	ND	64 9	66 3	80 0	121 0	2.2	15 0				L	L	
1 2 4 trimethylbenzene	0.27	ND	21 51	20 0	0 51	79 20	79 20	100 0	ND	107 6	84 0	125 0	0 5	78 7	78 7	84.0	125 0	0.0	15 0				L	L	
sec b tyl benze	0.23	0 39	21 13	20 0	ND	64 13	65 30	100 0	0 4	105 7	80 0	125 0	ND	64 1	65 3	80 0	125 0	1 8	15 0				L	L	
p isopropyl toluene	0.20	0 36	0 70	20 0	ND	67 10	67 95	100 0	0 4	103 5	79 0	133 0	ND	67 1	68.0	79 0	133 0	1 3	15 0				L	L	
1 3 dichl obenzene	0.32	ND	20 70	20 0	ND	82 28	82 19	100 0	ND	103 5	70 0	130 0	ND	82.3	82 2	70 0	130 0	0 1	15 0						
1 4-d hlorobenzene	0 27	ND	20 70	20 0	ND	83 64	84 74	100 0	ND	103 5	70 0	130 0	ND	83 6	84 7	70.0	130 0	1 3	15 0						
-b tyl benzene	0 33	0 54	21 37	20 0	ND	66 40	66 50	100 0	0 5	106 9	78 0	128 0	ND	66 4	66 5	78 0	128 0	0 2	17 0				L	L	
1 d hl robenzene	0 30	ND	21 06	20 0	ND	89 84	90 57	100 0	ND	105 3	70 0	130 0	ND	89 8	90 6	70 0	130 0	0 8	15 0						
1 -dib omo-3-chloropropane	1 70	ND	19 62	20 0	ND	99 24	103 16	100 0	ND	98 1	69 0	125 0	ND	99.2	103.2	69 0	125 0	3 9	26 0						
1,2 4-trichlor benzene	0 24	0.45	19 63	20 0	ND	86 85	83 61	100 0	0 5	98.2	74 0	124 0	ND	86 9	83 6	74 0	124 0	3 8	20 0						
h xachlorobutad ene	0 45	1 03	2 31	20 0	ND	64 66	64.28	100 0	1 0	111 6	67 0	131 0	ND	64 7	64 3	67 0	131 0	0 6	26 0				L	L	
naphthalen	0 51	ND	19 11	20.0	ND	93 77	95 50	100.0	ND	95 6	69 0	126 0	ND	93.8	95 5	69 0	126 0	1 8	24 0						
1 3 trichlorobenzene	0.31	0 50	19 08	20 0	ND	90 64	86 78	100 0	0 5	95 4	60 0	137 0	ND	90 6	86 8	60 0	137 0	4 4	33 0						
Surrogates																									
dibromofluoromethane		26.31	27.38	25 0	28 62	28 52	28.30	25 0	105 2	109 5	86	118	114 5	114 1	113.2										
1 2-d hloroethane-d4		26 76	27 31	25 0	29 80	29.82	29 52	25 0	107 0	109 2	80	120	119 2	119 3	118 1										
toluene-d8		27 4	26 80	25 0	26.27	25 68	26 19	25 0	109 0	107 2	88	110	105 1	102.7	104 8										
p br mofl benzene		26 54	26 36	25 0	27 4	26 43	26 90	25 0	106 2	105 4	86	115	109 7	105 7	107 6										

N tes and Definiti ns.

MDL- Method Detection Limit
BLK M thod Blank
LCS Labo atory C ntrol Sample
MS/MSD= Matrix Spike / Matrix Spike Duplicate

LCL= Lower Control Limit
UCL= Upper Control Limit
H=Above control limit
L-Below co trol limit

ND= Non Detected
RPD= Relativ Percent Difference
NS=Not spiked
NA=Not appl cable

DF--Dilution Factor

K m n Environmental Services -OVL
Volatil Quality Control S mmary

Workgroup #	WG6102	**Run Date**	7/15/99	**SMPL N m**	07 155-0	**LCS DF**	1
Method	8260B	**Instrume t ID**	HPMS9	**SMPL FLNM**	9M4127 D	**SMPL DF**	10
M trix	WATER	**BLK FLNM**	9M4119 D	**MS FLNM**	9M4128 D	**MS DF**	10
Units	ug/L	**LCS FLNM**	9M4120 D	**MSD FLNM**	9M4129 D	**MSD DF**	10

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	Blank	LCS	LCS Spike Level	Sample	MS	MSD	MS Spike Level	BLK	LCS	LCS LCL	LCS UCL	Sampl	MS	MSD	MS LCL	MS UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPD
Targ t Analyte	g/L	ug L	g/L	ug/L	ug/L	ug/L	ug/L	ug/L		%	%	%	%		%	%			%						
d hl odifluo methan	0 26	ND	1 85	20 0	ND	225 10	225 79	200 0	ND	109 3	10 0	153 0	ND	112 6	112 9	10 0	153 0	0 3	42.0						
hlor m than	0 52	ND	18 72	20 0	ND	199 48	196 05	00 0	ND	93 6	49 0	1 9 0	ND	99 7	98 0	49 0	129 0	1 7	30 0						
vinyl chloride	0 30	ND	0 53	20 0	ND	194 84	189 98	200 0	ND	102 7	57 0	135 0	ND	97 4	95 0	57 0	135 0	2 5	30 0						
b m m than	0 68	ND	22 87	20 0	ND	219 10	208 08	200 0	ND	114 4	58 0	140 0	ND	109 6	104 0	58 0	140 0	5 2	39 0						
hl oethan	0 44	ND	19 80	20 0	ND	203 93	207 28	00 0	ND	99 0	69 0	126 0	ND	102 0	103 6	69 0	126 0	1 6	27 0						
r h oll m thane	0 32	ND	19 15	20 0	ND	197 36	199 89	200 0	ND	95 8	67 0	152 0	ND	98 7	99 9	67 0	152 0	1 3	22 0						
isop ene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
rolein	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 2 tri hloro-1 trifluo oethan	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
t	4 26	ND	17 90	20 0	68 60	264 97	278 58	00 0	ND	89 5	40 0	142 0	69	98 2	105 0	40 0	14 0	5 0	40 0						
1 1 di hl roethen	0 31	ND	0 36	0 0	ND	08 02	1 49	200 0	ND	101 8	81 0	130 0	ND	104 0	106 2	81 0	130 0	2 1	18 0						
dim thyl ulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
od methane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
hyl n chl ride	0 74	ND	20 20	20 0	ND	210 66	210 41	200 0	ND	101 0	76 0	125 0	ND	105 3	105 2	76 0	125 0	0 1	19 0						
arbon disulfide	0 23	ND	22.55	20 0	ND	231 77	234 16	00 0	ND	112 8	70 0	138 0	ND	115 9	117 1	70 0	138 0	1 0	20 0						
rylonitril	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
m thyl t rt butyl th	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
ran l d hl oethene	0 22	ND	21 8	20 0	ND	223 61	227 95	200 0	ND	108 9	86 0	135 0	ND	111 8	114 0	86 0	135 0	1 9	16 0						
h xan	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
myl tat	1 00	ND	28 66	20 0	ND	310 64	322 26	00 0	ND	143 3	10 0	136 0	ND	155 3	161 1	10 0	136 0	3 7	66 0		H		H	H	
1 1-d hl oethan	0 3	ND	0 56	20 0	ND	213 15	213 19	200 0	ND	10 8	84 0	1 7 0	ND	106 6	106 6	84 0	127 0	0 0	15 0						
2 butanon	00	ND	17 40	20 0	ND	202 82	215 17	200 0	ND	87 0	61 0	137 0	ND	101 4	107 6	61 0	137 0	5 9	30 0						
di hlorop pane	0 6	ND	20 49	20 0	ND	191 47	194 86	200 0	ND	102 5	79 0	130 0	ND	95 7	97 4	79 0	130 0	1 8	17 0						
is 1 dichloroeth ne	0 24	ND	0 79	20 0	ND	210 25	210 14	200 0	ND	104 0	82 0	121 0	ND	105 1	105 1	82 0	121 0	0 1	15 0						
hl oform	0 1	ND	20 46	20 0	ND	208 01	208 98	200 0	ND	102 3	85 0	121 0	ND	104 0	104 5	85 0	1 1 0	0 5	15 0						
b mochlorom thane	0 21	ND	21 21	20 0	ND	213 55	14 90	200 0	ND	106 1	85 0	121 0	ND	106 8	107 5	85 0	1 1 0	0 6	15 0						
1 1 1 tri hlo oethane	0 30	ND	0 39	20 0	ND	211 99	215 83	200 0	ND	102 0	78 0	127 0	ND	106 0	107 9	78 0	127 0	1 8	1 0						
cy l h xane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 1-dichloropropen	0 29	ND	22 64	0 0	ND	28 71	232 73	200 0	ND	113 2	91 0	133 0	ND	114 4	116 4	91 0	133 0	1 7	15 0						
arbon t trachl rid	0 30	ND	21 21	20 0	ND	218 64	221 52	200 0	ND	106 1	70 0	130 0	ND	109 3	110 8	70 0	130 0	1 3	20 0						
1 -di hlo oethan	0 17	ND	19 24	20 0	ND	200 09	200 96	200 0	ND	96 _	78 0	128 0	ND	100 0	100 5	78 0	128 0	0 4	17 0						
benzen	0 20	ND	21 61	20 0	ND	218 89	219 04	200 0	ND	108 1	87 0	118 0	ND	109 4	109 5	87 0	118 0	0 1	15 0						
trichl roeth ne	0 30	ND	20 9	0 0	ND	210 41	1 75	00 0	ND	104 0	83 0	1 3 0	ND	105 2	106 4	83 0	1 30	1 1	15 0						
1 d hl p par	0 [illegible]	ND	0 2	20 0	ND	03 06	03 58	200 0	ND	101 1	81 0	1 1 0	ND	101 5	101 8	81 0	1 1 0	0 3	15 0						
b od hl thane	[illegible]	ND	0	0 0	ND	206 66	07 96	00 0	ND	10 6	81 0	1 6 0	ND	103 3	104 0	81 0	1 6 0	0 6	16 0						
d b mom thane	0 25	ND	0 25	20 0	ND	11 53	210 95	200 0	ND	101 3	83 0	122 0	ND	105 8	105 5	83 0	122 0	0 3	15 0						
chlo ethylvinyl ethe	0 79	ND	0 05	20 0	ND	7 6	22 88	200 0	ND	100 3	45 0	154 0	ND	113 8	111 4	45 0	154 0	2 1	46 0						
4 m thyl pentanon	1 27	ND	21 26	20 0	ND	48 90	252 17	200 0	ND	106 3	66 0	132 0	ND	124 5	126 1	66 0	132 0	1 3	33 0						
is 1 3-di hl rop pen	0 15	ND	21 60	0 0	ND	13 67	214 06	200 0	ND	108 0	82 0	1 4 0	ND	106 8	107 0	82 0	124 0	0 2	15 0						
dim thyl disulfid	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
toluene	0 1	ND	1 97	0 0	ND	223 0	225 61	200 0	ND	109 9	84 0	123 0	ND	111 9	112 8	84 0	123 0	0 9	15 0						
thyl m tha rylat	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
trans 1 3 di hl op ope	0 33	ND	19 94	0 0	ND	02 7	05 99	00 0	ND	99 7	80 0	1 4 0	ND	101 4	103 0	80 0	124 0	1 6	15 0						
1 1 2 trichl roethan	0 45	ND	0 84	0 0	ND	218 22	219 52	200 0	ND	104 2	78 0	1 2 0	ND	109 1	109 8	78 0	122 0	0 6	15 0						

K m Enviro m ntal Servi es -OVL
V l t l Quality C ntrol Summary

Workgroup #	WG61027	**Run Dat**	7/15 99	SMPL Num	07 155-02	**LCS DF**	1
Method	8260B	**Instrum nt ID**	HPMS9	SMPL FLNM.	9M41 7 D	**SMPL DF**	10
M trix	WATER	**BLK FLNM**	9M4119 D	MS FLNM	9M4128 D	**MS DF**	10
Units	ug/L	**LCS FLNM**	9M4120 D	MSD FLNM.	9M4129 D	**MSD DF**	10

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	BLK	LCS	LCS Spik Level	SMPL	MS	MSD	MS Spik Lev l	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MSD UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPD
Targ t Analytes	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		%	%	%	%	%	%	%	%	%	%						
_ hexanone	1 39	ND	18 10	20 0	ND	209 93	217 14	200 0	ND	90 5	57 0	130 0	ND	105 0	108 6	57 0	130 0	3 4	31 0						
1 3 di hl ropr pan	0 33	ND	0 05	20 0	ND	212.04	213 67	200 0	ND	100 3	78 0	123 0	ND	106 0	106 8	78 0	123 0	0 8	15 0						
t tra hlo oethene	0 8	ND	20 96	0 0	ND	210 01	214 42	200 0	ND	104 8	83 0	124 0	ND	105 0	107 2	83 0	124 0	2 1	15 0						
d br m ochl romethan	0 45	ND	21 30	20 0	ND	22? 18	276 52	00 0	ND	106 5	78 0	123 0	ND	111 1	113 3	78 0	123 0	1 9	18 0						
l -tabromo than	0 33	ND	19 97	20 0	ND	214 16	17 99	200 0	ND	99 9	79 0	123 0	ND	107 1	109 0	79 0	123 0	1 8	15 0						
l hl h xan	NTC	ND	NS	0 0	ND	Ns	NS	200 0	ND	NA	60 0	140 0	ND	NA	NA	60 0	140 0	NA	NA						
chl robenzen	0 8	ND	1 50	0 0	ND	214 50	14 98	200 0	ND	107 5	0 0	130 0	ND	107 3	107 5	87 0	118 0	0	15 0						
1 1 1 t trachloro thai	0 01	ND	21 81	0 0	ND	218 28	220 14	200 0	ND	109 1	82 0	123 0	ND	109 1	110 1	82 0	123 0	0 8	15 0						
u ylbenzene	0	ND	1 67	20 0	ND	220 15	221 16	200 0	ND	108 4	85 0	1 1 0	ND	110 1	110 6	85 0	121 0	0 5	15 0						
m p xyl n	0 40	ND	44 55	40 0	ND	451 52	453 37	400 0	ND	111 4	86 0	121 0	ND	112 9	113 3	86 0	121 0	0 4	15 0						
o xylen	0	ND	1 47	0 0	ND	_39 30	38 71	00 0	ND	107 4	85 0	1 1 0	ND	119 7	119 4	85 0	121 0	0 2	15 0						
ty n	0 8	ND	22 50	0 0	ND	236 80	38 11	200 0	ND	112 5	84 0	120 0	ND	118 4	119 1	84 0	120 0	0 6	15 0						
b m form	0 53	ND	0 81	20 0	ND	216 2_	22 89	200 0	ND	104 1	73 0	124 0	ND	108 1	111 4	73 0	124 0	3 0	22 0						
is p pylbenzene	0 22	ND	22 27	20 0	ND	41 7	243 84	200 0	ND	111 4	81 0	124 0	ND	120 9	121 9	81 0	124 0	0 9	15 0						
1 1 t trachl oethane	0 67	ND	19 85	0 0	ND	224 27	_25 61	200 0	ND	99 3	72 0	132 0	ND	11 1	117 8	7 0	132 0	0 6	23 0						
1 3 tri hl p pan	0 92	ND	19 53	20 0	ND	213 40	215 41	200 0	ND	97 7	72 0	132 0	ND	106 7	107 7	72 0	132 0	0 9	21 0						
trans 1 4-di hloro- butene	TC	ND	NS	NS	ND	NS	NS	NS	ND	NS	60 0	140 0	ND	NS	NS	60 0	140 0	NA	0 0						
p pyl benzene	0 19	ND	22 47	20 0	ND	222 93	226 57	200 0	ND	112 4	82 0	125 0	ND	111 5	113 3	82 0	125 0	1 6	15 0						
b m benzene	0 37	ND	20 54	20 0	ND	200 00	20 40	200 0	ND	102 7	84 0	120 0	ND	100 0	101 2	84 0	120 0	1 2	15 0						
1 trim thylbenzene	0	ND	2 04	20 0	ND	215 45	19 19	200 0	ND	110 2	82 0	1 5 0	ND	10 7	109 6	82 0	125 0	1 7	15 0						
chl rotoluen	0 38	ND	0 3	0 0	ND	204 56	203 78	200 0	ND	101 6	80 0	128 0	ND	10? 3	101 9	80 0	128 0	0 4	15 0						
4-chlo otol en	0 30	ND	0 81	20 0	ND	203 91	09 79	200 0	ND	104 1	80 0	127 0	ND	102 0	104 9	80 0	127 0	2 8	15 0						
alpha methyl tyrene	NTC	ND	NS	NS	ND	Ns	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
t rt butyl-benzene	0 27	ND	2 1	0 0	ND	17 63	223 56	200 0	ND	110 6	80 0	121 0	ND	108 8	111 8	80 0	121 0	2 7	15 0						
1 4 trimethylbenzen	0 7	ND	1 20	20 0	ND	209 07	213 06	200 0	ND	106 0	84 0	125 0	ND	104 5	106 5	84 0	125 0	1 9	15 0						
butyl benzen	3	ND	21 27	20 0	ND	16 00	219 33	00 0	ND	106 4	80 0	1 5 0	ND	108 0	109 7	80 0	125 0	1 5	15 0						
p isopr pyl-toluene	0 0	ND	20 93	20 0	17 88	209 49	215 08	200 0	ND	104 7	79 0	133 0	17 9	95 8	98 6	79 0	133 0	2 6	15 0						
1 3-d hlor benzene	0 32	ND	0 71	20 0	ND	08 67	210 64	200 0	ND	103 6	70 0	130 0	ND	104 3	105 3	70 0	130 0	0 9	15 0						
1 4-dichlorobenzene	0 _7	ND	0 4	0 0	ND	202 99	204 56	200 0	ND	102 1	70 0	130 0	ND	101 5	102 3	70 0	130 0	0 8	15 0						
n b tyl benzen	0 3	ND	20 86	20 0	ND	40 31	246 26	200 0	ND	104 3	78 0	128 0	ND	120 2	123 1	78 0	128 0	2 4	17 0						
1 -di hlorobenzene	0 30	ND	20 89	0 0	ND	208 90	210 85	200 0	ND	104 5	70 0	130 0	ND	104 5	105 4	70 0	130 0	0 9	15 0						
1 d b m 3-chl opr pan	1 70	ND	19 02	0 0	ND	237 23	36 41	200 0	ND	95 1	69 0	125 0	ND	118 6	118 2	69 0	1 5 0	0 3	26 0						
1 4 trichl ob nzen	0 4	ND	1 5	0 0	ND	_09 99	13 67	200 0	ND	97 6	74 0	1 4 0	ND	105 0	106 8	74 0	1 4 0	1 7	0 0						
h hlor but d n	45	0 71	15 37	20 0	ND	191 03	196 95	200 0	0 7	76 9	67 0	131 0	ND	95 5	98 5	67 0	131 0	3 1	6 0						
n phthalene	0 51	ND	20 37	20 0	17 17	277 42	280 41	200 0	ND	101 9	69 0	1_6 0	17 ?	130 1	131 6	69 0	126 0	1 1	24 0				H	H	
1 3 tri hlorobenzene	0 31	ND	19 10	0 0	ND	222 18	2 5 36	200 0	ND	95 5	60 0	137 0	ND	111 1	112 7	60 0	137 0	1 4	33 0						
Surrogat																									
ubromofluoromethane		23 90	24 68	25 0	23 96	24 35	24.35	25 0	95 6	98 7	86	118	95 8	97 4	97 4										
1 2 d hl roethan d4		2 73	23 01	25 0	24 69	23 80	23 72	25 0	90 9	92 0	80	120	98 8	95 2	94 9										
tolu e-d8		6 23	26 03	25 0	6 16	25 97	26 05	25 0	104 9	104 1	88	110	104 6	103 9	104 2										
p b ofl obe		5 43	1 50	25 0	23 33	3 91	24 03	25 0	101 7	98 0	86	115	93 3	95 6	96 1										

N t and Definitions

MDL M thod Detecti n Limit
BLK M thod Blank
LCS L b rat ry Control Sample
MS MSD Matrix Spike / Matrix Spike Di pl ate

LCL= Lower Control Limit
UCL= Upper Control Limit
H=Abov control limit
L Below control limit

ND= N n Detected
RPD= R lative Percent Difference
NS Not spiked
NA Not applicabl

DF Dilution Fa tor

K m En ironmental Services -OVL
Volatile Q lity Control S mmary

Workgro p #	WG61503	Run D te	7/26/99	SMPL Num	07-443-06	LCS DF	1
Method	8260B	Instrument ID	HPMS8	SMPL FLNM	8M9862 D	SMPL DF:	1000
Matrix	WATER	BLK FLNM:	8M9855 D	MS FLNM	8M9863 D	MS DF	1000
Units	ug/L	LCS FLNM:	8M9854.D	MSD FLNM	8M9864 D	MSD DF	1000

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	Blank	LCS	LCS Spike Level	Sample	MS	MSD	MS Spike Level	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MS UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPD
Target Analyt s	g/L	ug L	g/L	ug/L	ug/L	ug/L	ug/L	ug/L	%	%		%	%	%	%	%	%	%	%						
dichlorodifluoromethane	0.26	ND	17 69	20.0	547 08	15745 50	16020 08	20000 0	ND	88 5	10 0	153 0	547 1	76.0	77.4	10.0	153 0	1 7	42.0						
chl omethane	0 52	ND	14 92	20 0	759 05	15432 12	13759 07	20000 0	ND	74 6	49 0	129 0	759 1	73 4	65 0	49 0	129 0	11 5	30 0						
ny l bloride	0.30	ND	14.97	20 0	835 76	17866 26	15245 07	20000 0	ND	74 9	57 0	135 0	835.8	85 2	72.0	57 0	135 0	15.8	30 0						
b momethane	0 68	ND	17 86	20 0	ND	10272 40	12927 87	20000 0	ND	89 3	58 0	140 0	ND	51.4	64 6	58 0	140 0	22 9	39 0				L		
chloroethane	0.44	ND	16 51	20 0	485 07	16784 45	14872.94	20000 0	ND	82 6	69 0	126 0	485 1	81 5	71.9	69 0	126 0	12 1	27 0						
trichlorofluoromethane	0.32	ND	19 12	20 0	ND	13288 90	14108 06	20000 0	ND	95 6	67 0	152 0	ND	66 4	70 5	67 0	152 0	6 0	22 0				L		
isoprene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
acrolei	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 1,2 tr chlor 1,2,2 trifluoroethane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
acetone	4.26	ND	17 53	20 0	ND	19475 21	20419 49	20000 0	ND	87 7	40 0	142 0	ND	97 4	102 1	40 0	142 0	4 7	40 0						
1 1 d hloroethene	0.31	ND	19 02	20 0	306 95	17463 05	17707 63	20000 0	ND	95 1	81.0	130 0	307 0	85 8	87.0	81 0	130 0	1 4	18 0						
d n ethyl sulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
odomethane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
methylene chloride	0 74	0 28	21 65	20.0	1178.44	22451 15	22506 15	20000 0	0.3	108.3	76 0	125 0	1178 4	106 4	106 6	76 0	125 0	0 2	19 0						
carbon disulfide	0.23	ND	19.09	20 0	ND	18636.78	18345.31	20000 0	ND	95 5	70 0	138.0	ND	93.2	91 7	70 0	138.0	1 6	20.0						
acrylon trile	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
methyl tert-butyl ether	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
trans 1 2 dichl roethene	0 22	ND	21 03	20 0	3034 37	22614 75	22675 30	20000 0	ND	105 2	86 0	135 0	3034 4	97 9	98 2	86 0	135 0	0.3	16 0						
n-h xan	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
i yl acetate	1 00	ND	28 05	20 0	ND	31992 52	31500 80	20000 0	ND	140 3	10 0	136 0	ND	160 0	157 5	10 0	136 0	1 5	66 0		H		H	H	
1 1 dichl oethane	0 23	ND	19.68	20 0	293 27	19176 78	18851 35	20000 0	ND	98 4	84 0	127 0	293.3	94 4	92 8	84 0	127.0	1 7	15 0						
2 butanon	2 00	ND	19 05	20 0	ND	23452 39	23548.21	20000 0	ND	95.3	61 0	137 0	ND	117 3	117 7	61 0	137 0	0 4	30 0						
2 dichlorop opane	0.26	ND	19 62	20.0	ND	15227 30	15295 37	20000 0	ND	98 1	79 0	130 0	ND	76 1	76 5	79 0	130 0	0 4	17 0				L	L	
cis 1,2-dichloroethe e	0 24	ND	20 18	20 0	75884 39	97822 94	88259 79	20000 0	ND	100 9	82 0	121 0	75884 4	109 7	61 9	82 0	121 0	10 3	15 0					L	
chl rof rm	0.21	ND	20.39	20 0	298.24	18223 74	18483 86	20000 0	ND	102 0	85 0	121 0	298 2	89 6	90 9	85 0	121 0	1 4	15 0						
br chloromethane	0.21	ND	21 43	20 0	ND	20621 03	21312 31	20000 0	ND	107 2	85 0	121 0	ND	103 1	106 6	85 0	121 0	3 3	15 0						
1 1 1 trichl roethane	0.30	ND	19 11	20 0	ND	14671 58	15142.25	20000 0	ND	95 6	78.0	127 0	ND	73 4	75 7	78 0	127 0	3.2	17 0				L	L	
yclohexane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 1-dichloropropene	0 29	ND	20 94	20 0	ND	18933 77	18700 81	20000 0	ND	104 7	91 0	133 0	ND	94 7	93.5	91 0	133.0	1.2	15 0						
carbo tetrachloride	0.30	ND	19 67	20 0	ND	14569 86	14999 77	20000 0	ND	98 4	70 0	130 0	ND	72 8	75 0	70 0	130 0	2 9	20 0						
1 2-dichloroethane	0 17	ND	18.43	20 0	ND	16598 67	16362 23	20000 0	ND	92 2	78 0	128 0	ND	83 0	81 8	78 0	128 0	1 4	17 0						
benzene	0 20	ND	19 60	20 0	442.26	20598 60	19837 74	20000 0	ND	98 0	87 0	118 0	442 3	100 8	97 0	87 0	118 0	3 8	15 0						
trichloroethene	0.30	ND	19.25	20 0	5638 23	23658 34	22613 95	20000 0	ND	96 3	83 0	123 0	5638 2	90 1	84 9	83 0	123 0	4.5	15 0						
1 2 di hloropropane	0 20	ND	19 38	20 0	ND	21810 37	20430 52	20000 0	ND	96 9	81.0	121 0	ND	109 1	102 2	81 0	121 0	6 5	15 0						
b omod chloromethane	0 24	ND	20.30	20 0	ND	18740 15	18649 93	20000 0	ND	101 5	81 0	126 0	ND	93 7	93 2	81 0	126 0	0 5	16 0						
d bro omethane	0 25	ND	21 55	20 0	ND	22793 02	21698 41	20000 0	ND	107 8	83 0	122 0	ND	114 0	108 5	83 0	122 0	4 9	15 0						
chloroethyl nyl ether	0 79	ND	91 82	20.0	ND	21879 24	74956.27	20000 0	ND	459 1	45 0	154 0	ND	109 4	374 8	45 0	154 0	109 6	46.0		H			H	H
4-methyl 2 pentanone	1.27	ND	19 72	20 0	ND	22782 49	23399 62	20000 0	ND	98 6	66 0	132 0	ND	113 9	117 0	66 0	132 0	2 7	33 0						
1,3-d chlo opr pene	0 15	ND	20 42	20 0	ND	20895 61	20336 51	20000 0	ND	102 1	82 0	124 0	ND	104 5	101 7	82 0	124 0	2 7	15 0						
dimethyl disulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
t luene	0.21	ND	19 73	20 0	240 89	19173 98	18791 07	20000 0	ND	98 7	84 0	123 0	240 9	94 7	92 8	84 0	123 0	2.0	15 0						
ethyl methacrylate	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
trans 1,3-dichloropropene	0.33	ND	19 51	20 0	ND	18856 89	18453.39	20000.0	ND	97 6	80.0	124 0	ND	94 3	92.3	80 0	124.0	2.2	15 0						
1 1 2 trichl oethane	0 45	ND	20.39	20 0	ND	22148 78	21489 03	20000 0	ND	102 0	78 0	122 0	ND	110 7	107 4	78 0	122 0	3 0	15 0						

K F o t nt l Services -OVL
Volatile Quality Control Summary

W rkgroup #	WG61503	Run Date	7/26/99	SMPL N m	07-443-06	LCS DF	1
Method	8260B	Instrument ID	HPMS8	SMPL FLNM	8M9862 D	SMPL DF	1000
Matrix	WATER	BLK FLNM	8M9855 D	MS FLNM	8M9863 D	MS DF	1000
Units	ug/L	LCS FLNM	8M9854 D	MSD FLNM	8M9864 D	MSD DF	1000

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	BLK	LCS	LCS Spike Le el	SMPL	MS	MSD	MS Sp ke Le el	BLK	LCS	LCS LCL	LCS UCL	S mple	MS	MSD	MS LCL	MSD UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPD
Targ t A alytes	ug/L	ug/L	ug/L	ug/L	ug/L	g/L	g/L	g/L	%	%		%	%	%	%	%	%	%	%						
2-hexanone	1 39	ND	18 96	20 0	ND	23450 07	22509.94	20000 0	ND	94 8	57 0	130 0	ND	117 3	112 5	57 0	130 0	4 1	31 0						
1,3-dichl ropropa e	0.33	ND	20 37	20 0	ND	21846 68	20734 88	20000 0	ND	101 9	78 0	123 0	ND	109.2	103 7	78 0	123 0	5 2	15 0						
tetrachloroethene	0.28	ND	17.52	0.0	282.32	15421 61	14998.34	20000.0	ND	87 6	83 0	124 0	282.3	75 7	73 6	83 0	124.0	2 8	15 0				L	L	
dibromochlo omethane	0 45	ND	20 51	20 0	ND	19203 03	19255 43	20000 0	ND	102 6	78 0	123 0	ND	96 0	96.3	78 0	123 0	0 3	18 0						
1 2-dibromoethane	0.33	ND	21.32	20 0	ND	21853 26	21704 76	20000 0	ND	106.6	79 0	123 0	ND	109.3	108 5	79 0	123 0	0 7	15 0						
1-chl r hexane	NTC	ND	19.35	20 0	ND	16366 44	17649 94	20000 0	ND	96 8	60 0	140 0	ND	81 8	88.2	60 0	140 0	7 5	NA						
chlorobenzene	0.28	ND	20 09	20 0	281 37	19960 90	19312.63	20000 0	ND	100.5	70 0	130 0	281.4	98 4	95 2	87 0	118 0	3.3	15 0						
1 1 1 2 tetrachloroethane	0 61	ND	20 81	20 0	ND	19599.31	19286 01	20000 0	ND	104 1	82 0	123 0	ND	98 0	96 4	82 0	123 0	1 6	15 0						
thylbenzene	0 27	ND	19 59	20 0	ND	19245 70	18289 09	20000 0	ND	98 0	85 0	121 0	ND	96 2	91 4	85 0	121 0	5 1	15 0						
m p-xylene	0 40	ND	39 07	40 0	386 21	38016 25	36086 80	40000 0	ND	97 7	86 0	121 0	386 2	94 1	89 3	86 0	121 0	5 2	15 0						
o-xylene	0 22	ND	19.55	20 0	ND	19638.70	18370 24	20000 0	ND	97 8	85 0	121 0	ND	98.2	91 9	85 0	121 0	6 7	15 0						
tyren	0.28	ND	20 11	20 0	ND	20826 97	19540 59	20000 0	ND	100 6	84 0	120 0	ND	104 1	97 7	84 0	120 0	6 4	15 0						
bromoform	0 53	ND	18 47	20 0	ND	19758 11	18668 93	20000 0	ND	92 4	73 0	124 0	ND	98 8	93.3	73 0	124 0	5 7	22.0						
isop opylbenz ne	0 22	ND	18 50	20 0	ND	18287 52	17083.26	20000 0	ND	92 5	81 0	124 0	ND	91 4	85 4	81 0	124 0	6 8	15 0						
1 1,2,2 tetrachloroethane	0 67	ND	22 19	20 0	ND	26545 87	25685.28	20000 0	ND	111 0	72.0	132 0	ND	132 7	128.4	72.0	132 0	3.3	23 0				H		
1 2,3 trichloropropan	0 92	ND	22 21	20 0	ND	23757 85	23333.32	20000 0	ND	111 1	72 0	132 0	ND	118 8	116 7	72 0	132 0	1 8	21 0						
trans 1 4-dichloro-2 butene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	60 0	140 0	ND	NS	NS	60 0	140 0	NA	20 0						
p opyl benzen	0 19	ND	20 94	20 0	ND	19659 75	19396 61	20000 0	ND	104 7	82 0	125 0	ND	98.3	97 0	82 0	125 0	1.3	15 0						
b omobenzene	0.37	ND	20.35	20 0	ND	19918 47	20005 38	20000 0	ND	101 8	84 0	120 0	ND	99 6	100 0	84 0	120 0	0 4	15 0						
1 3 5 trimethylbenzene	0 22	ND	20.38	20 0	ND	18429 15	18513 71	20000 0	ND	101 9	82 0	125 0	ND	92 1	92 6	82 0	125 0	0 5	15 0						
2-chlorotolue	0.38	ND	20.09	20 0	ND	20163 87	19667 94	20000 0	ND	100 5	80 0	128 0	ND	100 8	98.3	80 0	128 0	2 5	15 0						
4 chl rotol ene	0.30	ND	22 01	20 0	ND	19259 95	19191 89	20000 0	ND	110 1	80 0	127 0	ND	96 3	96 0	80 0	127 0	0 4	15 0						
alph m thyl-styrene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
t rt b tyl benzene	0 27	0 26	19 70	20 0	ND	16042 28	17971 98	20000 0	0 3	98 5	80 0	121 0	ND	80 2	89 9	80 0	121 0	11 3	15 0						
1 2 4-trimethylbenzene	0.27	ND	20 65	20 0	ND	19150 48	19075 53	20000 0	ND	103 3	84.0	125 0	ND	95 8	95 4	84 0	125 0	0.4	15 0						
sc b tyl benz ne	0.23	0.31	18 81	20 0	ND	17776 20	17551 46	20000 0	0 3	94 1	80 0	125 0	ND	88 9	87 8	80 0	125 0	1 3	15 0						
p-isopropyl toluene	0.20	0.30	18 66	20 0	ND	16799 81	16782.44	20000.0	0.3	93.3	79 0	133 0	ND	84 0	83 9	79 0	133 0	0 1	15 0						
1 3-d chlorobenzene	0.32	ND	19 77	20 0	ND	19738 40	19360 97	20000 0	ND	98 9	70 0	130 0	ND	98 7	96 8	70 0	130 0	1 9	15 0						
1 4-d chl robenzene	0 27	ND	19 80	20 0	152 46	19924 13	19665 35	20000.0	ND	99 0	70 0	130 0	152 5	98 9	97.6	70 0	130 0	1.3	15 0						
b tyl benzene	0 33	0 37	19 60	20 0	ND	18423 63	18241 76	20000 0	0 4	98 0	78 0	128 0	ND	92 1	91 2	78 0	128 0	1 0	17 0						
1,2 dichlorobenzene	0 30	ND	20 19	20 0	ND	21199 34	20545.65	20000.0	ND	101 0	70 0	130 0	ND	106 0	102.7	70 0	130 0	3 1	15 0						
1 2-d b omo-3-chl ropropane	1 70	ND	18 49	20 0	ND	22604 40	21738 49	20000 0	ND	92 5	69 0	125 0	ND	113 0	108 7	69 0	125 0	3 9	26 0						
1,2 4 trichlorobenzene	0 24	0.44	18.08	20 0	ND	18134 34	18153 36	20000 0	0 4	90 4	74 0	124 0	ND	90 7	90 8	74.0	124 0	0 1	20 0						
he hl rob tadiene	0 45	0 72	17 13	20 0	ND	14462 19	14419.30	20000 0	0 7	85 7	67 0	131 0	ND	72 3	72 1	67 0	131 0	0 3	26 0						
naphthalene	0.51	0.26	18.42	20 0	ND	21001 94	20791 08	20000.0	0 3	92 1	69 0	126 0	ND	105 0	104.0	69 0	126 0	1 0	24.0						
1 2 3 trichl obe	0.31	0 51	17 23	20 0	ND	18171 13	18003 58	20000 0	0 5	86 2	60 0	137 0	ND	90 9	90 0	60 0	137 0	0 9	33 0						
Surr gates																									
d b m fluo omethane		26.79	26.95	25 0	24 50	24 30	25 32	25 0	107 2	107 8	86	118	98.0	97.2	101.3										
1 2 dichl roethane-d4		23 89	23 48	25 0	21 14	21 14	21 71	25 0	95 6	93 9	80	120	84 6	84 6	86 8										
t 1 ene-d8		25 47	25 76	25 0	25 43	24 01	24 58	25 0	101 9	103 0	88	110	101 7	96 0	98.3										
p b m fluo obenze e		26 90	26 97	5 0	26 62	25 60	25 78	25 0	107 6	107 9	86	115	106 5	102 4	103 1										

N te and Definitions

MDL M thod Detection Limit
BLK M thod Blank
LCS Laboratory Control Sample
MS/MSD= Matrix Sp ke / Matrix Spike Duplicate

LCL= Lower Control Lim t
UCL= Upper Control L mit
H Abo e contr l lim t
L Below control limit

ND= Non Detected
RPD= Relative Percent Difference
NS Not sp ked
NA=Not applicable

DF=Dilution Facto

CHRYSLER CORPORATION

Chain-of-Custody

04452 A

3RD QUARTER GROUND WATER SAMPLING

~~Contractor~~ CHEMRON 501 Madison Avenue Cary NC 27513 MARIETTA, OHIO Phone Number 1 800 833 5097 Fax Number (919) 379-4050	Project Name DAYTON THERMAL PRODUCTS Site Location DAYTON, OHIO Site Code SC001 RFA Number YGQP9900240 Chrysler PM GARY STANCZYK	Consultant LEGETTE, BRASHEARS & GRAHAM, INC. Address 1210 W. COUNTY ROAD E, STE 700 ST. PAUL, MN 55112 Consultant PM KEN VOGEL Phone 651-490-1405 Fax 651-490-1006

Turn around Time Request: 24 calendar hrs; 48 calendar hrs; (10 days); 28 days

Data Package Deliverables (circle): (Chrysler Level I); ~~Chrysler Level II~~; Other (specify)

Compound List-Parameter/Method/Bottle Type/Preservative: 8260-VOC 40 ML VIAL GLASS/HCL

Matrix Codes: S Soil; SW Surface Water; GW Groundwater; A Air; Sed Sediment; O Other (specify)

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	8260-VOC 40 ML VIAL GLASS/HCL									Lab Use Only: Volatiles pH <2	Metals pH < 2	Cyanide pH > 12	Other ____	Remarks
MWB001	7/6/99	09.20	G	GW	3	X													
MWC001	7/6/99	09:30	G	GW	3	X													
PZ022I	7/6/99	10.04	G	GW	2	X													
PZ019I	7/6/99	11 15	G	GW	2	X													
MW019S	7/6/99	11.00	G	GW	2	X													
PZ021I	7/6/99	11 48	G	GW	2	X													
MWB004	7/6/99	11:45	G	GW	2	X													
MW007S	7/6/99	13 55	G	GW	2	X													
PZ007I	7/6/99	14 05	G	GW	2	X													
MWB005	7/6/99	14:10	G	GW	2	X													

Sampler(s): DAVE STRAND; MARK HEMSTREET; MIKE PLANTE

Bottle Relinquished under Airbill No. NA

Samples Relinquished under Airbill No. [redacted] 8105815887[illegible]

Temperature (corrected) 4.0 [illegible]

Relinquished by	Date	Time	Received by	Date	Time	Custody Seal Intact?
Mark P Hemstreet	7/6/99	18 00	Blanda Gregory	7/7/99	1030	Yes (circled) No
						Yes No
						Yes No

C of C Sealed (circled)

Lab ID NA

Is RFA sampling complete? Y (N circled)

Chrysler Corporation 800 Chrysler Drive CIMS 482-00-51 Auburn Hills Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink Retained by sampler

SDG 240A

Revised Created Sept mb r 23 199

CHRYSLER CORPORATION

Chain-of-Custody

04453 A

~~Company~~ Chem	CHEMRON	Project Name	DAYTON THERMAL PRODUCTS
~~501 Madison Avenue~~		Site Location	DAYTON, OHIO
City ~~NC 27513~~	MARIETTA, OHIO	Site Code	SC001
Phone Number	1 800 833 5097	RFA Number	46QP9900240
Fax Number	(919) 379-4050	Chrysler PM	GARY STANCZUK

Consultant	LEGGETTE, BRASHEARS & GRAHAM, INC.
Address	1210 W COUNTY ROAD E, STE. 700
	ST. PAUL, MN 55112
Consultant PM	KEN VOGEL
Phone	651-490-1405 Fax. 651-490-1006

Turn around Time Request
24 calendar hrs
48 calendar hrs
10 days
28 days

Data Package Deliverables (circle)
Chrysler Level 1
Chrysler Level 2
Other (specify)

Matrix Codes
S Soil
SW Surface Water
GW Groundwater
A - Air
Sed Sediment
O Other (specify) LAB DI WATER

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC 8260 40 ml VIAL GLASS/HCL	Lab Use Only: Volatiles pH <2	Metals pH < 2	Cyanide pH > 12	Other ____	Remarks
MW015S	7/6/99	1445	G	GW	2	X					
PZ015I	7/6/99	1455	G	GW	2	X					
PZ020D	7/6/99	1555	G	GW	2	X					
MW020S	7/6/99	1540	G	GW	2	X					
MWE070619	7/6/99	1551	G	O	2	X					

Sampler(s) DAVE STRAND
MARK HEMSTREET
MIKE PLANTE

Bottles Relinquished under Airbill No. NA

Samples Relinquished under Airbill No. 8105815887 78

Temperature (corrected) 4.0 C

Relinquished by	Date:	Time	Received by	Date:	Time:	Custody Seal Intact?
Mark P. Hemstreet	7/6/99	18:00	Donna Gregory	7/7/99	1030	Yes No
						Yes No
						Yes No

C I ID NA

Is RFA a pling mpl t ?
Y No

Chrysler Corporation 800 Chrysler Drive CIMS 482-00-51 Auburn Hills Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink Retained by sampler

SUG 240A

R is n l
C eat d Sept mb 23 199

RFA 240

AFFIDAVIT ON BEHALF OF CERTIFIED LABORATORY

I, ***Dennis Tepe***, being duly sworn on oath, state that, to the best of my knowledge, information, and belief

1 I am authorized to submit this affidavit on behalf of ***KEMRON Environmental Services, Inc***, which has been engaged as a Certified Laboratory for purposes of a voluntary action pursuant to Ohio s Voluntary Action Program

2 The voluntary action is being conducted at ***Chrysler Dayton Thermal Products,*** located at ***Dayton, OH 45414***

3 ***KEMRON Environmental Services, Inc.*** was a Certified Laboratory pursuant to Ohio Revised Code (ORC) Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300 when it performed the analyses for the purpose of conducting or completing the voluntary action

4 All of the analyses performed by ***KEMRON Environmental Services, Inc.*** for purposes of conducting or completing the voluntary action complied with the applicable requirements of ORC Chapter 3746 and rules adopted under OAC Chapter 3745-300

5 The following information, data, documents, and/or reports, attached hereto, are being submitted with this affidavit (attach additional pages if more space is needed)

(a) L9907126,
(b) L9907154,
(c) _____,

6 All of the information, data, documents, and/or reports submitted with this affidavit are true, accurate, and complete

7 ***KEMRON Environmental Services, Inc*** has no conflict of interest, as set forth in OAC rules 3745-300-04(I)(5) and 3745-300-05(F)(3) in performing the analyses referred to in this affidavit

FURTHER AFFIANT SAYETH NOT

Dennis S. Tepe
(SIGNATURE)

Subscribed and sworn before me
this 23 day of July, 1999

Lucinda Sue Arnold
Notary Public
My commission expires 6/14/2002

LUCINDA SUE ARNOLD
NOTARY PUBLIC STATE OF OHIO
MY COMMISSION EXPIRES 6/14/2002

KEMRON Environmental Services
109 Starlite Park
Marietta Ohio 45750
Phone (740) 373-4071

EPA Region 5 Records Ctr
349988

CompuChem
501 Madison Avenue
Cary NC 27513

Attention Diane Byrd

PO Number
Account Number COMPUCHEM-529

Login # L9907126
Report Date 07/23/99
Work ID SC001/DAYTON THERMAL
Date Received 07/08/99

SAMPLE IDENTIFICATION

Sample Number	Sample Description	Sample Number	Sample Description
L9907126-01	MWA001	L9907126-02	PZ017D
L9907126-03	PZ017I	L9907126-04	MW018S
L9907126-05	MWC002	L9907126 06	MWB002
L9907126-07	MWE070799	L9907126-08	MWA006
L9907126 09	MWA006/DUP	L9907126-10	PZ012D
L9907126-11	PZ012I	L9907126 12	MWB006
L9907126-13	MWA003	L9907126 14	PZ014I
L9907126-15	MWA002	L9907126 16	PZ016D
L9907126 17	PZ013I	L9907126 18	MWA005
L9907126 19	AS	L9907126-20	MWA004
L9907126-21	MWT070799		

DGO 7/23/99
MCP 7/4/99

All results on solids/sludges are reported on a dry weight basis where applicable unless otherwise specified This report shall not be reproduced except in full without the written approval of KEMRON

NYSDOH ELAP ID 10861

Certified By
Dennis S Tepe

KEMRON
ENVIRONMENTAL SERVICES

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

VOLATILE ORGANICS - 8260

Dilution Analyses for the following samples yielded surrogate standard recoveries above the upper advisory limits

Lab ID	Client ID:
L9907126-16	PZ016D
L9907126-14	PZ014I
L9907126-17	PZ013I

Dilution for the above may be bias high

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126 01	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWA001	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R69875
Analysis Date	07/15/99 Time 15 29	Lab File ID	9M4130	Batch	WG61022

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67 64 1	Acetone	ug/L		ND	100	1
71 43 2	Benzene	ug/L		ND	5 0	1
108 86 1	Bromobenzene	ug/L		ND	5 0	1
74 97 5	Bromochloromethane	ug/L		ND	5 0	1
75 27 4	Bromodichloromethane	ug/L		ND	5 0	1
75 25 2	Bromoform	ug/L		ND	5 0	1
74 83-9	Bromomethane	ug/L		ND	10	1
78 93 3	2 Butanone	ug/L		ND	100	1
104 51-8	n Butylbenzene	ug/L		ND	5 0	1
135 98 8	sec-Butylbenzene	ug/L		ND	5 0	1
98 06 6	tert Butylbenzene	ug/L		ND	5 0	1
75-15 0	Carbon disulfide	ug/L		ND	5 0	1
56-23 5	Carbon tetrachloride	ug/L		ND	5 0	1
108-90 7	Chlorobenzene	ug/L		ND	5 0	1
124 48 1	Chlorodibromomethane	ug/L		ND	5 0	1
75 00 3	Chloroethane	ug/L		ND	10	1
110 75 8	2-Chloroethyl vinyl ether	ug/L		ND	10	1
67 66 3	Chloroform	ug/L		ND	5 0	1
74 87 3	Chloromethane	ug/L		ND	10	1
95 49 8	2 Chlorotoluene	ug/L		ND	5 0	1
106 43 4	4-Chlorotoluene	ug/L		ND	5 0	1
96 12 8	1 2-Dibromo-3-chloropropane	ug/L		ND	5 0	1
106 93 4	1 2 Dibromoethane	ug/L		ND	5 0	1
74 95 3	Dibromomethane	ug/L		ND	5 0	1
95 50 1	1 2-Dichlorobenzene	ug/L		ND	5 0	1
541 73 1	1 3 Dichlorobenzene	ug/L		ND	5 0	1
106 46 7	1 4-Dichlorobenzene	ug/L		ND	5 0	1
75 71-8	Dichlorodifluoromethane	ug/L		ND	10	1
75 34 3	1 1-Dichloroethane	ug/L	11		5 0	1
107 06 2	1 2-Dichloroethane	ug/L		ND	5 0	1
75 35 4	1 1 Dichloroethene	ug/L	6 9		5 0	1
156 59 2	cis 1 2 Dichloroethene	ug/L	35		5 0	1
156 60 5	trans-1 2-Dichloroethene	ug/L		ND	5 0	1
78 87 5	1 2-Dichloropropane	ug/L		ND	5 0	1
142 28 9	1 3-Dichloropropane	ug/L		ND	5 0	1
594 20-7	2 2-Dichloropropane	ug/L		ND	5 0	1
10061 01 5	cis 1 3 Dichloropropene	ug/L		ND	5 0	1
10061 02-6	trans-1 3-Dichloropropene	ug/L		ND	5 0	1
563 58 6	1 1-Dichloropropene	ug/L		ND	5 0	1

* Reporting Limit

Login #L9907126
July 23 1999 08 37 am

KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126 01	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWA001	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R69875
Analysis Date	07/15/99 Time 15 29	Lab File ID	9M4130	Batch	WG61022

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100 41 4	Ethylbenzene	ug/L		ND	5 0	1
	n Hexane	ug/L		ND	10	1
591 78 6	2 Hexanone	ug/L		ND	10	1
87 68 3	Hexachlorobutadiene	ug/L		ND	5 0	1
98 82 8	Isopropylbenzene	ug/L		ND	5 0	1
99 87 6	p-Isopropyltoluene	ug/L		ND	5 0	1
108 10 1	4-Methyl-2-pentanone	ug/L		ND	10	1
75 09 2	Methylene chloride	ug/L		ND	5 0	1
91-20 3	Naphthalene	ug/L		ND	10	1
103 65 1	n Propylbenzene	ug/L		ND	5 0	1
100 42 5	Styrene	ug/L		ND	5 0	1
630 20 6	1 1 1 2-Tetrachloroethane	ug/L		ND	5 0	1
79 34 5	1 1 2 2-Tetrachloroethane	ug/L		ND	5 0	1
127 18-4	Tetrachloroethene	ug/L	520	D	50	10
108 88 3	Toluene	ug/L	17		5 0	1
87 61-6	1 2 3 Trichlorobenzene	ug/L		ND	5 0	1
120-82-1	1 2 4-Trichlorobenzene	ug/L		ND	5 0	1
71 55 6	1 1 1-Trichloroethane	ug/L	320	D	50	10
79 00-5	1 1 2-Trichloroethane	ug/L		ND	5 0	1
79 01-6	Trichloroethene	ug/L	130		5 0	1
75 69-4	Trichlorofluoromethane	ug/L		ND	10	1
96 18 4	1 2 3-Trichloropropane	ug/L		ND	5 0	1
95 63 6	1 2 4-Trimethylbenzene	ug/L		ND	5 0	1
108 67 8	1 3 5 Trimethylbenzene	ug/L		ND	5 0	1
108 05-4	Vinyl acetate	ug/L		ND	10	1
75 01-4	Vinyl chloride	ug/L		ND	2 0	1
95 47 6	o-Xylene	ug/L		ND	5 0	1
108 38-3	m Xylene	ug/L	14	Z	5 0	1
106 42 3	p Xylene	ug/L		Z	5 0	1

SURROGATES- In Percent Recovery:

Dibromofluoromethane	99 5	(86 - 118%)
1 2-Dichloroethane-d4	99 4	(80 - 120%)
Toluene d8	103	(88 - 110%)
4 Bromofluorobenzene	97 4	(86 - 115%)

Login #L9907126
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KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126-02	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	PZ017D	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R69875
Analysis Date	07/15/99 Time 16 03	Lab File ID	9M4131	Batch	WG61022

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67 64-1	Acetone	ug/L		ND	100	1
71 43 2	Benzene	ug/L		ND	5 0	1
108 86 1	Bromobenzene	ug/L		ND	5 0	1
74 97 5	Bromochloromethane	ug/L		ND	5 0	1
75 27 4	Bromodichloromethane	ug/L		ND	5 0	1
75 25 2	Bromoform	ug/L		ND	5 0	1
74 83 9	Bromomethane	ug/L		ND	10	1
78 93 3	2-Butanone	ug/L		ND	100	1
104 51-8	n Butylbenzene	ug/L		ND	5 0	1
135 98 8	sec-Butylbenzene	ug/L		ND	5 0	1
98-06-6	tert Butylbenzene	ug/L		ND	5 0	1
75 15-0	Carbon disulfide	ug/L		ND	5 0	1
56 23 5	Carbon tetrachloride	ug/L		ND	5 0	1
108 90-7	Chlorobenzene	ug/L		ND	5 0	1
124 48-1	Chlorodibromomethane	ug/L		ND	5 0	1
75 00 3	Chloroethane	ug/L		ND	10	1
110 75 8	2 Chloroethyl vinyl ether	ug/L		ND	10	1
67 66 3	Chloroform	ug/L		ND	5 0	1
74 87 3	Chloromethane	ug/L		ND	10	1
95 49 8	2-Chlorotoluene	ug/L		ND	5 0	1
106 43-4	-Chlorotoluene	ug/L		ND	5 0	1
96 12-8	1 2-Dibromo 3-chloropropane	ug/L		ND	5 0	1
106 93 4	1 2-Dibromoethane	ug/L		ND	5 0	1
74 95-3	Dibromomethane	ug/L		ND	5 0	1
95 50 1	1 2-Dichlorobenzene	ug/L		ND	5 0	1
541 73 1	1 3 Dichlorobenzene	ug/L		ND	5 0	1
106 46 7	1 4-Dichlorobenzene	ug/L		ND	5 0	1
75 71-8	Dichlorodifluoromethane	ug/L		ND	10	1
75 34-3	1 1 Dichloroethane	ug/L		ND	5 0	1
107 06 2	1 2-Dichloroethane	ug/L		ND	5 0	1
75 35 4	1 1-Dichloroethene	ug/L		ND	5 0	1
156 59 2	cis 1 2 Dichloroethene	ug/L	60		5 0	1
156 60 5	trans-1 2-Dichloroethene	ug/L		ND	5 0	1
78 87 5	1 2-Dichloropropane	ug/L		ND	5 0	1
142 28-9	1 3-Dichloropropane	ug/L		ND	5 0	1
594 20 7	2 2 Dichloropropane	ug/L		ND	5 0	1
10061 01 5	cis 1 3-Dichloropropene	ug/L		ND	5 0	1
10061 02 6	trans-1 3-Dichloropropene	ug/L		ND	5 0	1
563 58 6	1 1 Dichloropropene	ug/L		ND	5 0	1

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126-02	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	PZ017D	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R69875
Analysis Date	07/15/99 Time 16 03	Lab File ID	9M4131	Batch	WG61022

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100 41 4	Ethylbenzene	ug/L		ND	5 0	1
	n-Hexane	ug/L		ND	10	1
591 78 6	2-Hexanone	ug/L		ND	10	1
87 68 3	Hexachlorobutadiene	ug/L		ND	5 0	1
98 82 8	Isopropylbenzene	ug/L		ND	5 0	1
99-87 6	p-Isopropyltoluene	ug/L		ND	5 0	1
108 10 1	4-Methyl-2-pentanone	ug/L		ND	10	1
75 09 2	Methylene chloride	ug/L		ND	5 0	1
91 20 3	Naphthalene	ug/L		ND	10	1
103 65 1	n-Propylbenzene	ug/L		ND	5 0	1
100 42 5	Styrene	ug/L		ND	5 0	1
630 20 6	1 1 1 2-Tetrachloroethane	ug/L		ND	5 0	1
79 34 5	1 1 2 2-Tetrachloroethane	ug/L		ND	5 0	1
127 18 4	Tetrachloroethene	ug/L		ND	5 0	1
108 88 3	Toluene	ug/L		ND	5 0	1
87 61 6	1 2 3-Trichlorobenzene	ug/L		ND	5 0	1
120 82 1	1 2 4-Trichlorobenzene	ug/L		ND	5 0	1
71 55 6	1 1 1 Trichloroethane	ug/L		ND	5 0	1
79 00 5	1 1 2-Trichloroethane	ug/L		ND	5 0	1
79 01 6	Trichloroethene	ug/L		ND	5 0	1
75 69 4	Trichlorofluoromethane	ug/L		ND	10	1
96 18 4	1 2 3-Trichloropropane	ug/L		ND	5 0	1
95 63 6	1 2 4-Trimethylbenzene	ug/L		ND	5 0	1
108 67 8	1 3 5-Trimethylbenzene	ug/L		ND	5 0	1
108 05 4	Vinyl acetate	ug/L		ND	10	1
75-01 4	Vinyl chloride	ug/L	23		2 0	1
95 47 6	o-Xylene	ug/L		ND	5 0	1
108 38 3	m Xylene	ug/L		ND	5 0	1
106 42 3	p-Xylene	ug/L		ND	5 0	1

SURROGATES- In Percent Recovery:

Dibromofluoromethane	102	(86 118%)
1 2 Dichloroethane-d4	102	(80 120%)
Toluene-d8	103	(88 110%)
4 Bromofluorobenzene	101	(86 115%)

RL Report Rep t

Login #L9907126
July 23 1999 08 37 am

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 Volatile Organics

Lab Sample ID	L9907126-03	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	PZ017I	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R69875
Analysis Date	07/15/99 Time 16 38	Lab File ID	9M4132	Batch	WG61022

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67-64 1	Acetone	ug/L		ND	100	1
71-43 2	Benzene	ug/L		ND	5 0	1
108-86 1	Bromobenzene	ug/L		ND	5 0	1
74 97 5	Bromochloromethane	ug/L		ND	5 0	1
75-27 4	Bromodichloromethane	ug/L		ND	5 0	1
75-25 2	Bromoform	ug/L		ND	5 0	1
74 83 9	Bromomethane	ug/L		ND	10	1
78 93 3	2 Butanone	ug/L		ND	100	1
104 51-8	n Butylbenzene	ug/L		ND	5 0	1
135 98 8	sec-Butylbenzene	ug/L		ND	5 0	1
98 06 6	tert Butylbenzene	ug/L		ND	5 0	1
75 15 0	Carbon disulfide	ug/L		ND	5 0	1
56 23 5	Carbon tetrachloride	ug/L		ND	5 0	1
108 90 7	Chlorobenzene	ug/L		ND	5 0	1
124-48 1	Chlorodibromomethane	ug/L		ND	5 0	1
75-00 3	Chloroethane	ug/L		ND	10	1
110-75 8	2-Chloroethyl vinyl ether	ug/L		ND	10	1
67 66 3	Chloroform	ug/L		ND	5 0	1
74 87 3	Chloromethane	ug/L		ND	10	1
95 49-8	2 Chlorotoluene	ug/L		ND	5 0	1
106 43 4	4 Chlorotoluene	ug/L		ND	5 0	1
96 12-8	1 2 Dibromo-3-chloropropane	ug/L		ND	5 0	1
106 93 4	1 2-Dibromoethane	ug/L		ND	5 0	1
74-95 3	Dibromomethane	ug/L		ND	5 0	1
95 50 1	1 2-Dichlorobenzene	ug/L		ND	5 0	1
541 73 1	1 3-Dichlorobenzene	ug/L		ND	5 0	1
106 46 7	1 4-Dichlorobenzene	ug/L		ND	5 0	1
75-71 8	Dichlorodifluoromethane	ug/L		ND	10	1
75 34 3	1 1-Dichloroethane	ug/L		ND	5 0	1
107 06 2	1 2-Dichloroethane	ug/L		ND	5 0	1
75 35-4	1 1-Dichloroethene	ug/L		ND	5 0	1
156 59 2	cis 1 2-Dichloroethene	ug/L	14		5 0	1
156 60 5	trans-1 2-Dichloroethene	ug/L		ND	5 0	1
78 87 5	1 2 Dichloropropane	ug/L		ND	5 0	1
142 28-9	1 3-Dichloropropane	ug/L		ND	5 0	1
594 20 7	2 2-Dichloropropane	ug/L		ND	5 0	1
10061 01 5	cis-1 3-Dichloropropene	ug/L		ND	5 0	1
10061 02 6	trans 1 3 Dichloropropene	ug/L		ND	5 0	1
563 58 6	1 1-Dichloropropene	ug/L		ND	5 0	1

RL Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126-03	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	PZ017I	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R69875
Analysis Date	07/15/99 Time 16 38	Lab File ID	9M4132	Batch	WG61022

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100 41 4	Ethylbenzene	ug/L		ND	5 0	1
	n Hexane	ug/L		ND	10	1
591 78 6	2-Hexanone	ug/L		ND	10	1
87 68 3	Hexachlorobutadiene	ug/L		ND	5 0	1
98 82 8	Isopropylbenzene	ug/L		ND	5 0	1
99 87 6	p Isopropyltoluene	ug/L		ND	5 0	1
108 10 1	4 Methyl 2-pentanone	ug/L		ND	10	1
75 09 2	Methylene chloride	ug/L		ND	5 0	1
91 20 3	Naphthalene	ug/L		ND	10	1
103 65 1	n Propylbenzene	ug/L		ND	5 0	1
100 42 5	Styrene	ug/L		ND	5 0	1
630 20 6	1 1 1 2 Tetrachloroethane	ug/L		ND	5 0	1
79 34 5	1 1 2 2-Tetrachloroethane	ug/L		ND	5 0	1
127 18 4	Tetrachloroethene	ug/L	570	D	50	10
108 88 3	Toluene	ug/L	6 2		5 0	1
87 61 6	1 2 3-Trichlorobenzene	ug/L		ND	5 0	1
120 82 1	1 2 4-Trichlorobenzene	ug/L		ND	5 0	1
71 55 6	1 1 1-Trichloroethane	ug/L	9 8		5 0	1
79 00 5	1 1 2 Trichloroethane	ug/L		ND	5 0	1
79 01 6	Trichloroethene	ug/L	44		5 0	1
75 69 4	Trichlorofluoromethane	ug/L		ND	10	1
96 18 4	1 2 3 Trichloropropane	ug/L		ND	5 0	1
95 63 6	1 2 4-Trimethylbenzene	ug/L		ND	5 0	1
108 67 8	1 3 5-Trimethylbenzene	ug/L		ND	5 0	1
108 05 4	Vinyl acetate	ug/L		ND	10	1
75 01 4	Vinyl chloride	ug/L		ND	2 0	1
95 47 6	o Xylene	ug/L		ND	5 0	1
108 38 3	m Xylene	ug/L	5 5	Z	5 0	1
106 42 3	p Xylene	ug/L		Z	5 0	1

SURROGATES- In Percent Recovery:

Dibromofluoromethane	101	(86 - 118%)
1 2-Dichloroethane-d4	103	(80 120%)
Toluene-d8	102	(88 110%)
4-Bromofluorobenzene	101	(86 - 115%)

RL Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126 04	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MW018S	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R69875
Analysis Date	07/15/99 Time 17 14	Lab File ID	9M4133	Batch	WG61022

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67 64 1	Acetone	ug/L		ND	100	1
71-43 2	Benzene	ug/L		ND	5 0	1
108-86 1	Bromobenzene	ug/L		ND	5 0	1
74-97 5	Bromochloromethane	ug/L		ND	5 0	1
75 27 4	Bromodichloromethane	ug/L		ND	5 0	1
75-25 2	Bromoform	ug/L		ND	5 0	1
74 83 9	Bromomethane	ug/L		ND	10	1
78-93 3	2 Butanone	ug/L		ND	100	1
104-51 8	n-Butylbenzene	ug/L		ND	5 0	1
135-98 8	sec Butylbenzene	ug/L		ND	5 0	1
98-06 6	tert-Butylbenzene	ug/L		ND	5 0	1
75 15 0	Carbon disulfide	ug/L		ND	5 0	1
56-23 5	Carbon tetrachloride	ug/L		ND	5 0	1
108-90 7	Chlorobenzene	ug/L		ND	5 0	1
124 48 1	Chlorodibromomethane	ug/L		ND	5 0	1
75-00 3	Chloroethane	ug/L		ND	10	1
110-75 8	2-Chloroethyl vinyl ether	ug/L		ND	10	1
67 66 3	Chloroform	ug/L		ND	5 0	1
74-87 3	Chloromethane	ug/L		ND	10	1
95 49 8	2-Chlorotoluene	ug/L		ND	5 0	1
106 43 4	4-Chlorotoluene	ug/L		ND	5 0	1
96-12 8	1 2-Dibromo-3-chloropropane	ug/L		ND	5 0	1
106-93 4	1 2 Dibromoethane	ug/L		ND	5 0	1
74-95 3	Dibromomethane	ug/L		ND	5 0	1
95-50 1	1 2 Dichlorobenzene	ug/L		ND	5 0	1
541-73 1	1 3 Dichlorobenzene	ug/L		ND	5 0	1
106-46 7	1 4-Dichlorobenzene	ug/L		ND	5 0	1
75 71 8	Dichlorodifluoromethane	ug/L		ND	10	1
75 34 3	1 1 Dichloroethane	ug/L		ND	5 0	1
107 06 2	1 2-Dichloroethane	ug/L		ND	5 0	1
75-35 4	1 1 Dichloroethene	ug/L		ND	5 0	1
156 59 2	cis 1 2-Dichloroethene	ug/L	19		5 0	1
156 60 5	trans-1 2-Dichloroethene	ug/L		ND	5 0	1
78-87 5	1 2-Dichloropropane	ug/L		ND	5 0	1
142-28 9	1 3-Dichloropropane	ug/L		ND	5 0	1
594 20 7	2 2-Dichloropropane	ug/L		ND	5 0	1
10061 01 5	cis 1 3-Dichloropropene	ug/L		ND	5 0	1
10061 02 6	trans-1 3-Dichloropropene	ug/L		ND	5 0	1
563-58 6	1 1-Dichloropropene	ug/L		ND	5 0	1

RL = Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126 04	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MW018S	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R69875
Analysis Date	07/15/99 Time 17 14	Lab File ID	9M4133	Batch	WG61022

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100 41 4	Ethylbenzene	ug/L		ND	5 0	1
	n-Hexane	ug/L		ND	10	1
591 78 6	2 Hexanone	ug/L		ND	10	1
87 68 3	Hexachlorobutadiene	ug/L		ND	5 0	1
98 82 8	Isopropylbenzene	ug/L		ND	5 0	1
99 87-6	p-Isopropyltoluene	ug/L		ND	5 0	1
108 10 1	4 Methyl 2-pentanone	ug/L		ND	10	1
75 09-2	Methylene chloride	ug/L		ND	5 0	1
91 20 3	Naphthalene	ug/L		ND	10	1
103 65 1	n-Propylbenzene	ug/L		ND	5 0	1
100 42 5	Styrene	ug/L		ND	5 0	1
630 20 6	1 1 1 2 Tetrachloroethane	ug/L		ND	5 0	1
79 34 5	1 1 2 2 Tetrachloroethane	ug/L		ND	5 0	1
127 18 4	Tetrachloroethene	ug/L	350	D	50	10
108-88 3	Toluene	ug/L		ND	5 0	1
87-61 6	1 2 3-Trichlorobenzene	ug/L		ND	5 0	1
120 82-1	1 2 4-Trichlorobenzene	ug/L		ND	5 0	1
71 55 6	1 1 1-Trichloroethane	ug/L	25		5 0	1
79 00 5	1 1 2-Trichloroethane	ug/L		ND	5 0	1
79 01 6	Trichloroethene	ug/L	25		5 0	1
75 69-4	Trichlorofluoromethane	ug/L		ND	10	1
96 18-4	1 2 3-Trichloropropane	ug/L		ND	5 0	1
95 63-6	1 2 4-Trimethylbenzene	ug/L		ND	5 0	1
108-67-8	1 3 5-Trimethylbenzene	ug/L		ND	5 0	1
108 05 4	Vinyl acetate	ug/L		ND	10	1
75 01 4	Vinyl chloride	ug/L		ND	2 0	1
95 47 6	o Xylene	ug/L		ND	5 0	1
108-38 3	m-Xylene	ug/L		ND	5 0	1
106-42 3	p-Xylene	ug/L		ND	5 0	1

SURROGATES- In Percent Recovery:

Dibromofluoromethane	104	(86 118%)
1 2 Dichloroethane-d4	108	(80 - 120%)
Toluene d8	102	(88 - 110%)
4 Bromofluorobenzene	102	(86 115%)

RL Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126-05	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWC002	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R69875
Analysis Date	07/15/99 Time 17 49	Lab File ID	9M4134	Batch	WG61022

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67 64 1	Acetone	ug/L		ND	100	1
71 43 2	Benzene	ug/L		ND	5 0	1
108-86 1	Bromobenzene	ug/L		ND	5 0	1
74 97 5	Bromochloromethane	ug/L		ND	5 0	1
75 27 4	Bromodichloromethane	ug/L		ND	5 0	1
75 25 2	Bromoform	ug/L		ND	5 0	1
74 83 9	Bromomethane	ug/L		ND	10	1
78 93 3	2 Butanone	ug/L		ND	100	1
104 51 8	n Butylbenzene	ug/L		ND	5 0	1
135 98 8	sec-Butylbenzene	ug/L		ND	5 0	1
98 06 6	tert-Butylbenzene	ug/L		ND	5 0	1
75-15 0	Carbon disulfide	ug/L		ND	5 0	1
56-23-5	Carbon tetrachloride	ug/L		ND	5 0	1
108-90 7	Chlorobenzene	ug/L		ND	5 0	1
124-48-1	Chlorodibromomethane	ug/L		ND	5 0	1
75 00 3	Chloroethane	ug/L		ND	10	1
110-75-8	2 Chloroethyl vinyl ether	ug/L		ND	10	1
67 66 3	Chloroform	ug/L		ND	5 0	1
74-87 3	Chloromethane	ug/L		ND	10	1
95 49-8	2-Chlorotoluene	ug/L		ND	5 0	1
106-43-4	4 Chlorotoluene	ug/L		ND	5 0	1
96-12 8	1 2-Dibromo-3-chloropropane	ug/L		ND	5 0	1
106-93 4	1 2-Dibromoethane	ug/L		ND	5 0	1
74 95 3	Dibromomethane	ug/L		ND	5 0	1
95 50 1	1 2-Dichlorobenzene	ug/L		ND	5 0	1
541 73 1	1 3-Dichlorobenzene	ug/L		ND	5 0	1
106 46 7	1 4-Dichlorobenzene	ug/L		ND	5 0	1
75 71 8	Dichlorodifluoromethane	ug/L		ND	10	1
75 34-3	1 1-Dichloroethane	ug/L		ND	5 0	1
107 06 2	1 2-Dichloroethane	ug/L		ND	5 0	1
75 35 4	1 1 Dichloroethene	ug/L		ND	5 0	1
156 59 2	cis-1 2-Dichloroethene	ug/L		ND	5 0	1
156 60 5	trans-1 2-Dichloroethene	ug/L		ND	5 0	1
78 87 5	1 2-Dichloropropane	ug/L		ND	5 0	1
142 28 9	1 3 Dichloropropane	ug/L		ND	5 0	1
594 20-7	2 2-Dichloropropane	ug/L		ND	5 0	1
10061 01 5	cis 1 3-Dichloropropene	ug/L		ND	5 0	1
10061 02-6	trans-1 3-Dichloropropene	ug/L		ND	5 0	1
563 58 6	1 1-Dichloropropene	ug/L		ND	5 0	1

RL Report Limit

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126-05	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWC002	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R69875
Analysis Date	07/15/99 Time 17 49	Lab File ID	9M4134	Batch	WG61022

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100 41 4	Ethylbenzene	ug/L		ND	5 0	1
	n Hexane	ug/L		ND	10	1
591 78 6	2 Hexanone	ug/L		ND	10	1
87 68 3	Hexachlorobutadiene	ug/L		ND	5 0	1
98 82 8	Isopropylbenzene	ug/L		ND	5 0	1
99 87 6	p Isopropyltoluene	ug/L		ND	5 0	1
108 10 1	4 Methyl-2-pentanone	ug/L		ND	10	1
75 09-2	Methylene chloride	ug/L		ND	5 0	1
91 20 3	Naphthalene	ug/L		ND	10	1
103 65-1	n-Propylbenzene	ug/L		ND	5 0	1
100 42-5	Styrene	ug/L		ND	5 0	1
630 20 6	1 1 1 2 Tetrachloroethane	ug/L		ND	5 0	1
79 34-5	1 1 2 2-Tetrachloroethane	ug/L		ND	5 0	1
127 18-4	Tetrachloroethene	ug/L		ND	5 0	1
108 88 3	Toluene	ug/L		ND	5 0	1
87 61-6	1 2 3-Trichlorobenzene	ug/L		ND	5 0	1
120 82 1	1 2 4 Trichlorobenzene	ug/L		ND	5 0	1
71 55 6	1 1 1-Trichloroethane	ug/L		ND	5 0	1
79 00 5	1 1 2 Trichloroethane	ug/L		ND	5 0	1
79 01 6	Trichloroethene	ug/L		ND	5 0	1
75-69 4	Trichlorofluoromethane	ug/L		ND	10	1
96 18 4	1 2 3-Trichloropropane	ug/L		ND	5 0	1
95 63 6	1 2 4-Trimethylbenzene	ug/L		ND	5 0	1
108 67 8	1 3 5 Trimethylbenzene	ug/L		ND	5 0	1
108 05 4	Vinyl acetate	ug/L		ND	10	1
75 01 4	Vinyl chloride	ug/L		ND	2 0	1
95 47 6	o-Xylene	ug/L		ND	5 0	1
108 38 3	m-Xylene	ug/L		ND	5 0	1
106 42 3	p-Xylene	ug/L		ND	5 0	1

SURROGATES- In Percent Recovery

Dibromofluoromethane	101	(86 118%)
1 2-Dichloroethane-d4	108	(80 120%)
Toluene d8	103	(88 - 110%)
4 Bromofluorobenzene	103	(86 115%)

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126-06	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWB002	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R69875
Analysis Date	07/15/99 Time 18 23	Lab File ID	9M4135	Batch	WG61022

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67 64 1	Acetone	ug/L		ND	100	1
71 43 2	Benzene	ug/L		ND	5 0	1
108 86 1	Bromobenzene	ug/L		ND	5 0	1
74 97 5	Bromochloromethane	ug/L		ND	5 0	1
75 27 4	Bromodichloromethane	ug/L		ND	5 0	1
75 25 2	Bromoform	ug/L		ND	5 0	1
74 83 9	Bromomethane	ug/L		ND	10	1
78 93 3	2 Butanone	ug/L		ND	100	1
104 51 8	n Butylbenzene	ug/L		ND	5 0	1
135 98 8	sec-Butylbenzene	ug/L		ND	5 0	1
98 06 6	tert Butylbenzene	ug/L		ND	5 0	1
75 15 0	Carbon disulfide	ug/L		ND	5 0	1
56-23 5	Carbon tetrachloride	ug/L		ND	5 0	1
108 90 7	Chlorobenzene	ug/L		ND	5 0	1
124-48 1	Chlorodibromomethane	ug/L		ND	5 0	1
75 00 3	Chloroethane	ug/L		ND	10	1
110-75 8	2 Chloroethyl vinyl ether	ug/L		ND	10	1
67 66 3	Chloroform	ug/L		ND	5 0	1
74 87 3	Chloromethane	ug/L		ND	10	1
95 49 8	2 Chlorotoluene	ug/L		ND	5 0	1
106 43 4	4 Chlorotoluene	ug/L		ND	5 0	1
96 12 8	1 2-Dibromo-3-chloropropane	ug/L		ND	5 0	1
106 93 4	1 2-Dibromoethane	ug/L		ND	5 0	1
74 95 3	Dibromomethane	ug/L		ND	5 0	1
95-50 1	1 2 Dichlorobenzene	ug/L		ND	5 0	1
541 73 1	1 3 Dichlorobenzene	ug/L		ND	5 0	1
106 46 7	1 4 Dichlorobenzene	ug/L		ND	5 0	1
75 71 8	Dichlorodifluoromethane	ug/L		ND	10	1
75 34 3	1 1 Dichloroethane	ug/L		ND	5 0	1
107 06 2	1 2 Dichloroethane	ug/L		ND	5 0	1
75-35 4	1 1 Dichloroethene	ug/L		ND	5 0	1
156 59 2	cis 1 2-Dichloroethene	ug/L		ND	5 0	1
156-60 5	trans-1 2-Dichloroethene	ug/L		ND	5 0	1
78-87 5	1 2 Dichloropropane	ug/L		ND	5 0	1
142 28 9	1 3 Dichloropropane	ug/L		ND	5 0	1
594 20 7	2 2 Dichloropropane	ug/L		ND	5 0	1
10061 01 5	cis 1 3-Dichloropropene	ug/L		ND	5 0	1
10061 02 6	trans-1 3-Dichloropropene	ug/L		ND	5 0	1
563 58 6	1 1 Dichloropropene	ug/L		ND	5 0	1

R R por rg _ rit

KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126 06	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWB002	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R69875
Analysis Date	07/15/99 Time 18 23	Lab File ID	9M4135	Batch	WG61022

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100 41 4	Ethylbenzene	ug/L		ND	5 0	1
	n-Hexane	ug/L		ND	10	1
591 78 6	2-Hexanone	ug/L		ND	10	1
87 68-3	Hexachlorobutadiene	ug/L		ND	5 0	1
98 82 8	Isopropylbenzene	ug/L		ND	5 0	1
99 87 6	p-Isopropyltoluene	ug/L		ND	5 0	1
108 10 1	4-Methyl-2-pentanone	ug/L		ND	10	1
75 09 2	Methylene chloride	ug/L		ND	5 0	1
91 20 3	Naphthalene	ug/L		ND	10	1
103 65 1	n Propylbenzene	ug/L		ND	5 0	1
100 42 5	Styrene	ug/L		ND	5 0	1
630 20 6	1 1 1 2 Tetrachloroethane	ug/L		ND	5 0	1
79 34-5	1 1 2 2 Tetrachloroethane	ug/L		ND	5 0	1
127 18 4	Tetrachloroethene	ug/L	7 6		5 0	1
108 88 3	Toluene	ug/L	8 2		5 0	1
87 61 6	1 2 3-Trichlorobenzene	ug/L		ND	5 0	1
120 82 1	1 2 4-Trichlorobenzene	ug/L		ND	5 0	1
71 55 6	1 1 1-Trichloroethane	ug/L		ND	5 0	1
79 00 5	1 1 2-Trichloroethane	ug/L		ND	5 0	1
79 01 6	Trichloroethene	ug/L		ND	5 0	1
75 69 4	Trichlorofluoromethane	ug/L		ND	10	1
96 18 4	1 2 3-Trichloropropane	ug/L		ND	5 0	1
95 63 6	1 2 4-Trimethylbenzene	ug/L		ND	5 0	1
108 67 8	1 3 5-Trimethylbenzene	ug/L		ND	5 0	1
108 05 4	Vinyl acetate	ug/L		ND	10	1
75 01 4	Vinyl chloride	ug/L		ND	2 0	1
95 47 6	o Xylene	ug/L		ND	5 0	1
108 38 3	m Xylene	ug/L	7 5	Z	5 0	1
106 42 3	p Xylene	ug/L		Z	5 0	1

SURROGATES- In Percent Recovery:

Dibromofluoromethane	101	(86 - 118%)
1 2-Dichloroethane-d4	107	(80 - 120%)
Toluene-d8	102	(88 - 110%)
4 Bromofluorobenzene	98 5	(86 - 115%)

R Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126-07	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWE070799	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R69875
Analysis Date	07/15/99 Time 18 58	Lab File ID	9M4136	Batch	WG61022

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67 64 1	Acetone	ug/L		ND	100	1
71 43 2	Benzene	ug/L		ND	5 0	1
108 86-1	Bromobenzene	ug/L		ND	5 0	1
74 97 5	Bromochloromethane	ug/L		ND	5 0	1
75 27 4	Bromodichloromethane	ug/L		ND	5 0	1
75 25 2	Bromoform	ug/L		ND	5 0	1
74 83 9	Bromomethane	ug/L		ND	10	1
78 93 3	2-Butanone	ug/L		ND	100	1
104-51 8	n-Butylbenzene	ug/L		ND	5 0	1
135 98 8	sec-Butylbenzene	ug/L		ND	5 0	1
98-06-6	tert-Butylbenzene	ug/L		ND	5 0	1
75 15 0	Carbon disulfide	ug/L		ND	5 0	1
56-23 5	Carbon tetrachloride	ug/L		ND	5 0	1
108 90 7	Chlorobenzene	ug/L		ND	5 0	1
124 48 1	Chlorodibromomethane	ug/L		ND	5 0	1
75 00 3	Chloroethane	ug/L		ND	10	1
110 75 8	2 Chloroethyl vinyl ether	ug/L		ND	10	1
67 66 3	Chloroform	ug/L		ND	5 0	1
74-87 3	Chloromethane	ug/L		ND	10	1
95 49 8	2-Chlorotoluene	ug/L		ND	5 0	1
106 43 4	4-Chlorotoluene	ug/L		ND	5 0	1
96 12 8	1 2-Dibromo-3 chloropropane	ug/L		ND	5 0	1
106-93 4	1 2-Dibromoethane	ug/L		ND	5 0	1
74-95 3	Dibromomethane	ug/L		ND	5 0	1
95 50 1	1 2-Dichlorobenzene	ug/L		ND	5 0	1
541 73 1	1 3-Dichlorobenzene	ug/L		ND	5 0	1
106 46 7	1 4-Dichlorobenzene	ug/L		ND	5 0	1
75 71-8	Dichlorodifluoromethane	ug/L		ND	10	1
75 34-3	1 1-Dichloroethane	ug/L		ND	5 0	1
107 06 2	1 2-Dichloroethane	ug/L		ND	5 0	1
75 35 4	1 1-Dichloroethene	ug/L		ND	5 0	1
156 59-2	cis 1 2 Dichloroethene	ug/L		ND	5 0	1
156 60 5	trans-1 2-Dichloroethene	ug/L		ND	5 0	1
78 87 5	1 2-Dichloropropane	ug/L		ND	5 0	1
142 28 9	1 3-Dichloropropane	ug/L		ND	5 0	1
594 20 7	2 2-Dichloropropane	ug/L		ND	5 0	1
10061 01 5	cis-1 3-Dichloropropene	ug/L		ND	5 0	1
10061 02 6	trans-1 3-Dichloropropene	ug/L		ND	5 0	1
563 58 6	1 1-Dichloropropene	ug/L		ND	5 0	1

R R rting Limit

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126-15	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWA002	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS8	Method	8260A
Extract Date	N/A	Analyst	MES	Run ID	R70263
Analysis Date	07/19/99 Time 19 49	Lab File ID	8M9737	Batch	WG61175

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100 41 4	Ethylbenzene	ug/L		ND	5 0	1
	n-Hexane	ug/L		ND	10	1
591 78 6	2 Hexanone	ug/L		ND	10	1
87 68 3	Hexachlorobutadiene	ug/L		ND	5 0	1
98 82 8	Isopropylbenzene	ug/L		ND	5 0	1
99 87 6	p Isopropyltoluene	ug/L		ND	5 0	1
108 10 1	4-Methyl-2-pentanone	ug/L		ND	10	1
75 09 2	Methylene chloride	ug/L		ND	5 0	1
91 20 3	Naphthalene	ug/L		ND	10	1
103 65 1	n-Propylbenzene	ug/L		ND	5 0	1
100 42 5	Styrene	ug/L		ND	5 0	1
630-20 6	1 1 1 2-Tetrachloroethane	ug/L		ND	5 0	1
79 34 5	1 1 2 2-Tetrachloroethane	ug/L		ND	5 0	1
127 18 4	Tetrachloroethene	ug/L	1700	D	50	10
108-88 3	Toluene	ug/L		ND	5 0	1
87 61 6	1 2 3-Trichlorobenzene	ug/L		ND	5 0	1
120-82 1	1 2 4-Trichlorobenzene	ug/L		ND	5 0	1
71 55 6	1 1 1 Trichloroethane	ug/L	930	D	50	10
79 00 5	1 1 2-Trichloroethane	ug/L		ND	5 0	1
79 01 6	Trichloroethene	ug/L	700	D	50	10
75 69 4	Trichlorofluoromethane	ug/L		ND	10	1
96 18 4	1 2 3 Trichloropropane	ug/L		ND	5 0	1
95 63 6	1 2 4-Trimethylbenzene	ug/L		ND	5 0	1
108 67 8	1 3 5-Trimethylbenzene	ug/L		ND	5 0	1
108 05 4	Vinyl acetate	ug/L		ND	10	1
75 01 4	Vinyl chloride	ug/L		ND	2 0	1
95 47 6	o Xylene	ug/L		ND	5 0	1
108 38 3	m-Xylene	ug/L		ND	5 0	1
106 42 3	p-Xylene	ug/L		ND	5 0	1

SURROGATES- In Percent Recovery

Dibromofluoromethane	116		(86 118%)
1 2 Dichloroethane d4	121	*	(80 - 120%)
Toluene d8	103		(88 - 110%)
4 Bromofluorobenzene	113		(86 115%)

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126 16	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	PZ016D	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS8	Method	8260A
Extract Date	N/A	Analyst	MES	Run ID	R70130
Analysis Date	07/19/99 Time 20 24	Lab File ID	8M9738	Batch	WG61175

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67 64 1	Acetone	ug/L		ND	100	1
71 43 2	Benzene	ug/L		ND	5 0	1
108 86 1	Bromobenzene	ug/L		ND	5 0	1
74 97 5	Bromochloromethane	ug/L		ND	5 0	1
75 27 4	Bromodichloromethane	ug/L		ND	5 0	1
75-25 2	Bromoform	ug/L		ND	5 0	1
74 83 9	Bromomethane	ug/L		ND	10	1
78 93 3	2 Butanone	ug/L		ND	100	1
104 51 8	n-Butylbenzene	ug/L		ND	5 0	1
135 98 8	sec-Butylbenzene	ug/L		ND	5 0	1
98 06 6	tert-Butylbenzene	ug/L		ND	5 0	1
75 15 0	Carbon disulfide	ug/L		ND	5 0	1
56 23-5	Carbon tetrachloride	ug/L		ND	5 0	1
108 90 7	Chlorobenzene	ug/L		ND	5 0	1
124 48 1	Chlorodibromomethane	ug/L		ND	5 0	1
75 00 3	Chloroethane	ug/L		ND	10	1
110 75-8	2-Chloroethyl vinyl ether	ug/L		ND	10	1
67 66 3	Chloroform	ug/L		ND	5 0	1
74 87 3	Chloromethane	ug/L		ND	10	1
95 49 8	2 Chlorotoluene	ug/L		ND	5 0	1
106 43 4	4 Chlorotoluene	ug/L		ND	5 0	1
96 12-8	1 2 Dibromo 3 chloropropane	ug/L		ND	5 0	1
106 93 4	1 2 Dibromoethane	ug/L		ND	5 0	1
74 95 3	Dibromomethane	ug/L		ND	5 0	1
95 50 1	1 2-Dichlorobenzene	ug/L		ND	5 0	1
541 73 1	1 3-Dichlorobenzene	ug/L		ND	5 0	1
106 46 7	1 4-Dichlorobenzene	ug/L		ND	5 0	1
75 71 8	Dichlorodifluoromethane	ug/L		ND	10	1
75 34 3	1 1-Dichloroethane	ug/L	5 2		5 0	1
107 06-2	1 2-Dichloroethane	ug/L	28		5 0	1
75 35-4	1 1-Dichloroethene	ug/L		ND	5 0	1
156 59 2	cis 1 2-Dichloroethene	ug/L		ND	5 0	1
156 60 5	trans-1 2 Dichloroethene	ug/L		ND	5 0	1
78 87 5	1 2-Dichloropropane	ug/L		ND	5 0	1
142 28-9	1 3-Dichloropropane	ug/L		ND	5 0	1
594 20 7	2 2-Dichloropropane	ug/L		ND	5 0	1
10061 01-5	cis-1 3 Dichloropropene	ug/L		ND	5 0	1
10061 02-6	trans-1 3-Dichloropropene	ug/L		ND	5 0	1
563 58 6	1 1-Dichloropropene	ug/L		ND	5 0	1

RL Rep[illegible] [illegible] - Tit

KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126-16	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	PZ016D	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS8	Method	8260A
Extract Date	N/A	Analyst	MES	Run ID	R70130
Analysis Date	07/19/99 Time 20 24	Lab File ID	8M9738	Batch	WG61175

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100-41 4	Ethylbenzene	ug/L		ND	5 0	1
	n-Hexane	ug/L		ND	10	1
591 78 6	2-Hexanone	ug/L		ND	10	1
87 68 3	Hexachlorobutadiene	ug/L		ND	5 0	1
98 82 8	Isopropylbenzene	ug/L		ND	5 0	1
99 87 6	p Isopropyltoluene	ug/L		ND	5 0	1
108 10 1	4 Methyl-2-pentanone	ug/L		ND	10	1
75 09 2	Methylene chloride	ug/L		ND	5 0	1
91 20 3	Naphthalene	ug/L		ND	10	1
103 65 1	n Propylbenzene	ug/L		ND	5 0	1
100 42 5	Styrene	ug/L		ND	5 0	1
630 20 6	1 1 1 2-Tetrachloroethane	ug/L		ND	5 0	1
79 34 5	1 1 2 2 Tetrachloroethane	ug/L		ND	5 0	1
127 18 4	Tetrachloroethene	ug/L	97	D	50	10
108 88 3	Toluene	ug/L		ND	5 0	1
87 61 6	1 2 3-Trichlorobenzene	ug/L		ND	5 0	1
120 82 1	1 2 4 Trichlorobenzene	ug/L		ND	5 0	1
71-55 6	1 1 1-Trichloroethane	ug/L	140		5 0	1
79 00 5	1 1 2 Trichloroethane	ug/L		ND	5 0	1
79-01-6	Trichloroethene	ug/L	65		5 0	1
75-69 4	Trichlorofluoromethane	ug/L		ND	10	1
96-18 4	1 2 3-Trichloropropane	ug/L		ND	5 0	1
95 63 6	1 2 4-Trimethylbenzene	ug/L		ND	5 0	1
108 67 8	1 3 5-Trimethylbenzene	ug/L		ND	5 0	1
108 05 4	Vinyl acetate	ug/L		ND	10	1
75 01 4	Vinyl chloride	ug/L	15		2 0	1
95-47 6	o Xylene	ug/L		ND	5 0	1
108 38 3	m Xylene	ug/L		ND	5 0	1
106 42 3	p-Xylene	ug/L		ND	5 0	1

SURROGATES- In Percent Recovery

Dibromofluoromethane	113	(86 - 118%)
1 2-Dichloroethane-d4	118	(80 120%)
Toluene-d8	105	(88 - 110%)
4 Bromofluorobenzene	114	(86 115%)

Reporting Limit

Login #L9907126
July 23 1999 08 37 am

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 Volatile Organics

Lab Sample ID	L9907126 17	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	PZ013I	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS8	Method	8260A
Extract Date	N/A	Analyst	MES	Run ID	R70231
Analysis Date	07/20/99 Time 15 39	Lab File ID	8M9753	Batch	WG61257

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67 64 1	Acetone	ug/L		ND	100	1
71 43 2	Benzene	ug/L		ND	5 0	1
108 86-1	Bromobenzene	ug/L		ND	5 0	1
74 97 5	Bromochloromethane	ug/L		ND	5 0	1
75 27 4	Bromodichloromethane	ug/L		ND	5 0	1
75 25 2	Bromoform	ug/L		ND	5 0	1
74 83-9	Bromomethane	ug/L		ND	10	1
78 93 3	2 Butanone	ug/L		ND	100	1
104 51 8	n-Butylbenzene	ug/L		ND	5 0	1
135 98-8	sec-Butylbenzene	ug/L		ND	5 0	1
98 06 6	tert-Butylbenzene	ug/L		ND	5 0	1
75 15 0	Carbon disulfide	ug/L		ND	5 0	1
56 23 5	Carbon tetrachloride	ug/L		ND	5 0	1
108 90 7	Chlorobenzene	ug/L		ND	5 0	1
124 48 1	Chlorodibromomethane	ug/L		ND	5 0	1
75 00 3	Chloroethane	ug/L		ND	10	1
110 75 8	2-Chloroethyl vinyl ether	ug/L		ND	10	1
67-66 3	Chloroform	ug/L		ND	5 0	1
74 87 3	Chloromethane	ug/L		ND	10	1
95 49 8	2-Chlorotoluene	ug/L		ND	5 0	1
106 43 4	4-Chlorotoluene	ug/L		ND	5 0	1
96-12 8	1 2-Dibromo 3-chloropropane	ug/L		ND	5 0	1
106 93 4	1 2 Dibromoethane	ug/L		ND	5 0	1
74 95-3	Dibromomethane	ug/L		ND	5 0	1
95 50 1	1 2-Dichlorobenzene	ug/L		ND	5 0	1
541 73 1	1 3 Dichlorobenzene	ug/L		ND	5 0	1
106 46 7	1 4-Dichlorobenzene	ug/L		ND	5 0	1
75 71 8	Dichlorodifluoromethane	ug/L		ND	10	1
75 34 3	1 1-Dichloroethane	ug/L	22		5 0	1
107 06 2	1 2-Dichloroethane	ug/L		ND	5 0	1
75 35 4	1 1 Dichloroethene	ug/L	18		5 0	1
156 59-2	cis 1 2-Dichloroethene	ug/L	31		5 0	1
156 60 5	trans 1 2-Dichloroethene	ug/L		ND	5 0	1
78 87 5	1 2-Dichloropropane	ug/L		ND	5 0	1
142 28 9	1 3 Dichloropropane	ug/L		ND	5 0	1
594 20 7	2 2 Dichloropropane	ug/L		ND	5 0	1
10061 01 5	cis 1 3-Dichloropropene	ug/L		ND	5 0	1
10061 02 6	trans-1 3 Dichloropropene	ug/L		ND	5 0	1
563 58-6	1 1 Dichloropropene	ug/L		ND	5 0	1

Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126-17	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	PZ013I	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS8	Method	8260A
Extract Date	N/A	Analyst	MES	Run ID	R70231
Analysis Date	07/20/99 Time 15 39	Lab File ID	8M9753	Batch	WG61257

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100 41 4	Ethylbenzene	ug/L		ND	5 0	1
	n Hexane	ug/L		ND	10	1
591 78 6	2 Hexanone	ug/L		ND	10	1
87 68 3	Hexachlorobutadiene	ug/L		ND	5 0	1
98 82 8	Isopropylbenzene	ug/L		ND	5 0	1
99-87 6	p Isopropyltoluene	ug/L		ND	5 0	1
108 10 1	4 Methyl-2 pentanone	ug/L		ND	10	1
75 09 2	Methylene chloride	ug/L		ND	5 0	1
91 20 3	Naphthalene	ug/L		ND	10	1
103 65 1	n-Propylbenzene	ug/L		ND	5 0	1
100 42 5	Styrene	ug/L		ND	5 0	1
630 20-6	1 1 1 2 Tetrachloroethane	ug/L		ND	5 0	1
79 34 5	1 1 2 2 Tetrachloroethane	ug/L		ND	5 0	1
127 18 4	Tetrachloroethene	ug/L	370	D	50	10
108 88 3	Toluene	ug/L	5 4		5 0	1
87 61 6	1 2 3-Trichlorobenzene	ug/L		ND	5 0	1
120 82 1	1 2 4 Trichlorobenzene	ug/L		ND	5 0	1
71 55 6	1 1 1 Trichloroethane	ug/L	140	D	50	10
79 00 5	1 1 2 Trichloroethane	ug/L		ND	5 0	1
79 01 6	Trichloroethene	ug/L	90		5 0	1
75 69 4	Trichlorofluoromethane	ug/L		ND	10	1
96 18 4	1 2 3 Trichloropropane	ug/L		ND	5 0	1
95 63 6	1 2 4 Trimethylbenzene	ug/L		ND	5 0	1
108 67 8	1 3 5 Trimethylbenzene	ug/L		ND	5 0	1
108 05 4	Vinyl acetate	ug/L		ND	10	1
75 01 4	Vinyl chloride	ug/L		ND	2 0	1
95 47 6	o Xylene	ug/L		ND	5 0	1
108 38 3	m-Xylene	ug/L	5 6	Z	5 0	1
106 42-3	p Xylene	ug/L		Z	5 0	1

SURROGATES In Percent Recovery

Dibromofluoromethane	113	(86 118%)
1 2 Dichloroethane-d4	120	(80 120%)
Toluene-d8	102	(88 110%)
4 Bromofluorobenzene	114	(86 115%)

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126-18	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWA005	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R70259
Analysis Date	07/21/99 Time 12 37	Lab File ID	9M4205	Batch	WG61281

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67 64 1	Acetone	ug/L		ND	1000	10
71 43 2	Benzene	ug/L		ND	50	10
108 86 1	Bromobenzene	ug/L		ND	50	10
74 97 5	Bromochloromethane	ug/L		ND	50	10
75 27 4	Bromodichloromethane	ug/L		ND	50	10
75 25 2	Bromoform	ug/L		ND	50	10
74 83 9	Bromomethane	ug/L		ND	100	10
78 93 3	2 Butanone	ug/L		ND	1000	10
104 51 8	n Butylbenzene	ug/L		ND	50	10
135 98 8	sec Butylbenzene	ug/L		ND	50	10
98 06-6	tert Butylbenzene	ug/L		ND	50	10
75 15 0	Carbon disulfide	ug/L		ND	50	10
56 23 5	Carbon tetrachloride	ug/L		ND	50	10
108 90 7	Chlorobenzene	ug/L		ND	50	10
124-48 1	Chlorodibromomethane	ug/L		ND	50	10
75 00 3	Chloroethane	ug/L		ND	100	10
110 75 8	2-Chloroethyl vinyl ether	ug/L		ND	100	10
67 66 3	Chloroform	ug/L		ND	50	10
74 87 3	Chloromethane	ug/L		ND	100	10
95 49-8	2-Chlorotoluene	ug/L		ND	50	10
106 43 4	4-Chlorotoluene	ug/L		ND	50	10
96 12 8	1 2 Dibromo-3 chloropropane	ug/L		ND	50	10
106 93 4	1 2 Dibromoethane	ug/L		ND	50	10
74 95 3	Dibromomethane	ug/L		ND	50	10
95 50 1	1 2-Dichlorobenzene	ug/L		ND	50	10
541 73-1	1 3-Dichlorobenzene	ug/L		ND	50	10
106 46 7	1 4-Dichlorobenzene	ug/L		ND	50	10
75 71-8	Dichlorodifluoromethane	ug/L		ND	100	10
75 34-3	1 1-Dichloroethane	ug/L	140		50	10
107 06-2	1 2-Dichloroethane	ug/L		ND	50	10
75 35 4	1 1 Dichloroethene	ug/L	370		50	10
156 59 2	cis-1 2 Dichloroethene	ug/L	180		50	10
156 60 5	trans-1 2-Dichloroethene	ug/L		ND	50	10
78 87 5	1 2-Dichloropropane	ug/L		ND	50	10
142 28 9	1 3-Dichloropropane	ug/L		ND	50	10
594 20 7	2 2-Dichloropropane	ug/L		ND	50	10
10061 01 5	cis-1 3-Dichloropropene	ug/L		ND	50	10
10061 02-6	trans-1 3-Dichloropropene	ug/L		ND	50	10
563 58 6	1 1-Dichloropropene	ug/L		ND	50	10

Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 Volatile Organics

Lab Sample ID	L9907126-18	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWA005	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R70259
Analysis Date	07/21/99 Time 12 37	Lab File ID	9M4205	Batch	WG61281

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100 41 4	Ethylbenzene	ug/L		ND	50	10
	n-Hexane	ug/L		ND	100	10
59 78 6	2 Hexanone	ug/L		ND	100	10
87 68 3	Hexachlorobutadiene	ug/L		ND	50	10
98 82 8	Isopropylbenzene	ug/L		ND	50	10
99 87 6	p Isopropyltoluene	ug/L		ND	50	10
108 10 1	4-Methyl-2-pentanone	ug/L		ND	100	10
75 09 2	Methylene chloride	ug/L		ND	50	10
91 20 3	Naphthalene	ug/L		ND	100	10
103 65 1	n Propylbenzene	ug/L		ND	50	10
100 42 5	Styrene	ug/L		ND	50	10
630 20 6	1 1 1 2 Tetrachloroethane	ug/L		ND	50	10
79 34 5	1 1 2 2 Tetrachloroethane	ug/L		ND	50	10
127 18 4	Tetrachloroethene	ug/L		ND	50	10
108 88 3	Toluene	ug/L		ND	50	10
87 61 6	1 2 3-Trichlorobenzene	ug/L		ND	50	10
120 82 1	1 2 4-Trichlorobenzene	ug/L		ND	50	10
71 55-6	1 1 1-Trichloroethane	ug/L	2000	D	500	100
79 00 5	1 1 2 Trichloroethane	ug/L		ND	50	10
79 01 6	Trichloroethene	ug/L	1900		50	10
75 69 4	Trichlorofluoromethane	ug/L		ND	100	10
96 18 4	1 2 3-Trichloropropane	ug/L		ND	50	10
95 63 6	1 2 4-Trimethylbenzene	ug/L		ND	50	10
108 67 8	1 3 5-Trimethylbenzene	ug/L		ND	50	10
108 05 4	Vinyl acetate	ug/L		ND	100	10
75 01 4	Vinyl chloride	ug/L		ND	20	10
95 47 6	o-Xylene	ug/L		ND	50	10
108 38 3	m-Xylene	ug/L		ND	50	10
106 42 3	p Xylene	ug/L		ND	50	10

SURROGATES- In Percent Recovery

Dibromofluoromethane	108	(86 - 118%)
1 2-Dichloroethane-d4	108	(80 - 120%)
Toluene-d8	99 7	(88 - 110%)
4-Bromofluorobenzene	99 8	(86 - 115%)

RL [illegible]

KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126 19	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	AS	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS8	Method	8260A
Extract Date	N/A	Analyst	MES	Run ID	R70039
Analysis Date	07/16/99 Time 17 38	Lab File ID	8M9705	Batch	WG61121

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67 64 1	Acetone	ug/L		ND	100	1
71 43 2	Benzene	ug/L		ND	5 0	1
108 86 1	Bromobenzene	ug/L		ND	5 0	1
74 97 5	Bromochloromethane	ug/L		ND	5 0	1
75 27 4	Bromodichloromethane	ug/L		ND	5 0	1
75 25 2	Bromoform	ug/L		ND	5 0	1
74 83 9	Bromomethane	ug/L		ND	10	1
78 93 3	2 Butanone	ug/L		ND	100	1
104 51 8	n Butylbenzene	ug/L		ND	5 0	1
135 98 8	sec-Butylbenzene	ug/L		ND	5 0	1
98 06 6	tert-Butylbenzene	ug/L		ND	5 0	1
75 15 0	Carbon disulfide	ug/L		ND	5 0	1
56 23 5	Carbon tetrachloride	ug/L		ND	5 0	1
108 90 7	Chlorobenzene	ug/L		ND	5 0	1
124 48 1	Chlorodibromomethane	ug/L		ND	5 0	1
75 00 3	Chloroethane	ug/L		ND	10	1
110 75 8	2-Chloroethyl vinyl ether	ug/L		ND	10	1
67 66 3	Chloroform	ug/L		ND	5 0	1
74 87 3	Chloromethane	ug/L		ND	10	1
95 49 8	2 Chlorotoluene	ug/L		ND	5 0	1
106 43 4	4-Chlorotoluene	ug/L		ND	5 0	1
96 12 8	1 2 Dibromo-3 chloropropane	ug/L		ND	5 0	1
106 93 4	1 2-Dibromoethane	ug/L		ND	5 0	1
74 95 3	Dibromomethane	ug/L		ND	5 0	1
95 50 1	1 2-Dichlorobenzene	ug/L		ND	5 0	1
541 73 1	1 3 Dichlorobenzene	ug/L		ND	5 0	1
106 46 7	1 4-Dichlorobenzene	ug/L		ND	5 0	1
75 71 8	Dichlorodifluoromethane	ug/L		ND	10	1
75 34 3	1 1-Dichloroethane	ug/L		ND	5 0	1
107 06 2	1 2-Dichloroethane	ug/L		ND	5 0	1
75 35 4	1 1-Dichloroethene	ug/L		ND	5 0	1
156 59 2	cis-1 2-Dichloroethene	ug/L	37		5 0	1
156 60 5	trans-1 2-Dichloroethene	ug/L		ND	5 0	1
78-87-5	1 2 Dichloropropane	ug/L		ND	5 0	1
142 28 9	1 3 Dichloropropane	ug/L		ND	5 0	1
594 20 7	2 2-Dichloropropane	ug/L		ND	5 0	1
10061 01 5	cis 1 3-Dichloropropene	ug/L		ND	5 0	1
10061 02 6	trans 1 3-Dichloropropene	ug/L		ND	5 0	1
563 58 6	1 1 Dichloropropene	ug/L		ND	5 0	1

5 Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 Volatile Organics

Lab Sample ID	L9907126 19	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	AS	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS8	Method	8260A
Extract Date	N/A	Analyst	MES	Run ID	R70039
Analysis Date	07/16/99 Time 17 38	Lab File ID	8M9705	Batch	WG61121

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100 41 4	Ethylbenzene	ug/L		ND	5 0	1
	n Hexane	ug/L		ND	10	1
591 78 6	2 Hexanone	ug/L		ND	10	1
87 68 3	Hexachlorobutadiene	ug/L		ND	5 0	1
98 82 8	Isopropylbenzene	ug/L		ND	5 0	1
99 87 6	p Isopropyltoluene	ug/L		ND	5 0	1
108 10 1	4-Methyl-2-pentanone	ug/L		ND	10	1
75 09 2	Methylene chloride	ug/L		ND	5 0	1
91 20 3	Naphthalene	ug/L		ND	10	1
103 65 1	n Propylbenzene	ug/L		ND	5 0	1
100 42 5	Styrene	ug/L		ND	5 0	1
630 20 6	1 1 1 2 Tetrachloroethane	ug/L		ND	5 0	1
79 34 5	1 1 2 2-Tetrachloroethane	ug/L		ND	5 0	1
127 18 4	Tetrachloroethene	ug/L		ND	5 0	1
108 88 3	Toluene	ug/L		ND	5 0	1
87 61 6	1 2 3-Trichlorobenzene	ug/L		ND	5 0	1
120 82 1	1 2 4-Trichlorobenzene	ug/L		ND	5 0	1
71 55 6	1 1 1-Trichloroethane	ug/L		ND	5 0	1
79 00 5	1 1 2-Trichloroethane	ug/L		ND	5 0	1
79 01 6	Trichloroethene	ug/L	100		5 0	1
75 69 4	Trichlorofluoromethane	ug/L		ND	10	1
96 18 4	1 2 3 Trichloropropane	ug/L		ND	5 0	1
95 63 6	1 2 4-Trimethylbenzene	ug/L		ND	5 0	1
108 67 8	1 3 5-Trimethylbenzene	ug/L		ND	5 0	1
108 05 4	Vinyl acetate	ug/L		ND	10	1
75-01 4	Vinyl chloride	ug/L	3 0		2 0	1
95 47 6	o Xylene	ug/L		ND	5 0	1
108 38 3	m Xylene	ug/L		ND	5 0	1
106 42 3	p Xylene	ug/L		ND	5 0	1

SURROGATES- In Percent Recovery:

Dibromofluoromethane	111	(86 - 118%)
1 2-Dichloroethane-d4	120	(80 - 120%)
Toluene-d8	108	(88 110%)
4 Bromofluorobenzene	112	(86 115%)

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126 20	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWA004	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS8	Method	8260A
Extract Date	N/A	Analyst	MES	Run ID	R70051
Analysis Date	07/16/99 Time 18 10	Lab File ID	8M9706	Batch	WG61121

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67 64 1	Acetone	ug/L		ND	100	1
71 43 2	Benzene	ug/L		ND	5 0	1
108 86 1	Bromobenzene	ug/L		ND	5 0	1
74-97 5	Bromochloromethane	ug/L		ND	5 0	1
75 27 4	Bromodichloromethane	ug/L		ND	5 0	1
75 25 2	Bromoform	ug/L		ND	5 0	1
74 83 9	Bromomethane	ug/L		ND	10	1
78 93 3	2-Butanone	ug/L		ND	100	1
104 51 8	n-Butylbenzene	ug/L		ND	5 0	1
135 98 8	sec-Butylbenzene	ug/L		ND	5 0	1
98-06 6	tert Butylbenzene	ug/L		ND	5 0	1
75-15 0	Carbon disulfide	ug/L		ND	5 0	1
56 23 5	Carbon tetrachloride	ug/L		ND	5 0	1
108 90 7	Chlorobenzene	ug/L		ND	5 0	1
124 48 1	Chlorodibromomethane	ug/L		ND	5 0	1
75 00 3	Chloroethane	ug/L		ND	10	1
110 75 8	2-Chloroethyl vinyl ether	ug/L		ND	10	1
67 66 3	Chloroform	ug/L		ND	5 0	1
74 87 3	Chloromethane	ug/L		ND	10	1
95 49 8	2-Chlorotoluene	ug/L		ND	5 0	1
106 43 4	4 Chlorotoluene	ug/L		ND	5 0	1
96-12 8	1 2 Dibromo-3 chloropropane	ug/L		ND	5 0	1
106 93 4	1 2 Dibromoethane	ug/L		ND	5 0	1
74 95 3	Dibromomethane	ug/L		ND	5 0	1
95 50 1	1 2 Dichlorobenzene	ug/L		ND	5 0	1
541 73 1	1 3 Dichlorobenzene	ug/L		ND	5 0	1
106-46 7	1 4 Dichlorobenzene	ug/L		ND	5 0	1
75-71 8	Dichlorodifluoromethane	ug/L		ND	10	1
75 34 3	1 1 Dichloroethane	ug/L	26		5 0	1
107-06 2	1 2 Dichloroethane	ug/L		ND	5 0	1
75 35 4	1 1 Dichloroethene	ug/L	28		5 0	1
156 59 2	cis 1 2 Dichloroethene	ug/L	5400	D	500	100
156 60 5	trans 1 2 Dichloroethene	ug/L	73		5 0	1
78 87 5	1 2 Dichloropropane	ug/L		ND	5 0	1
142 28 9	1 3 Dichloropropane	ug/L		ND	5 0	1
594-20 7	2 2-Dichloropropane	ug/L		ND	5 0	1
0061 01 5	cis 1 3-Dichloropropene	ug/L		ND	5 0	1
10061 02 6	trans 1 3-Dichloropropene	ug/L		ND	5 0	1
563 58 6	1 1 Dichloropropene	ug/L		ND	5 0	1

RL Reporting Limit

Login #L9907126
Jul, 23 1999 08 37 am

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126 20	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWA004	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS8	Method	8260A
Extract Date	N/A	Analyst	MES	Run ID	R70051
Analysis Date	07/16/99 Time 18 10	Lab File ID	8M9706	Batch	WG61121

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100-41-4	Ethylbenzene	ug/L		ND	5 0	1
	n-Hexane	ug/L		ND	10	1
591 78-6	2-Hexanone	ug/L		ND	10	1
87-68 3	Hexachlorobutadiene	ug/L		ND	5 0	1
98 82 8	Isopropylbenzene	ug/L		ND	5 0	1
99 87-6	p Isopropyltoluene	ug/L		ND	5 0	1
108-10 1	4 Methyl-2-pentanone	ug/L		ND	10	1
75 09 2	Methylene chloride	ug/L		ND	5 0	1
91-20 3	Naphthalene	ug/L		ND	10	1
103 65-1	n-Propylbenzene	ug/L		ND	5 0	1
100 42 5	Styrene	ug/L		ND	5 0	1
630-20 6	1 1 1 2-Tetrachloroethane	ug/L		ND	5 0	1
79 34 5	1 1 2 2-Tetrachloroethane	ug/L		ND	5 0	1
127-18 4	Tetrachloroethene	ug/L		ND	5 0	1
108 88 3	Toluene	ug/L		ND	5 0	1
87 61 6	1 2 3-Trichlorobenzene	ug/L		ND	5 0	1
120 82 1	1 2 4-Trichlorobenzene	ug/L		ND	5 0	1
71 55 6	1 1 1-Trichloroethane	ug/L	14		5 0	1
79 00 5	1 1 2 Trichloroethane	ug/L		ND	5 0	1
79 01 6	Trichloroethene	ug/L	32000	D	5000	1000
75 69-4	Trichlorofluoromethane	ug/L		ND	10	1
96 18-4	1 2 3-Trichloropropane	ug/L		ND	5 0	1
95 63-6	1 2 4-Trimethylbenzene	ug/L		ND	5 0	1
108 67 8	1 3 5-Trimethylbenzene	ug/L		ND	5 0	1
108-05-4	Vinyl acetate	ug/L		ND	10	1
75 01 4	Vinyl chloride	ug/L	220	D	200	100
95-47 6	o Xylene	ug/L		ND	5 0	1
108 38 3	m-Xylene	ug/L		ND	5 0	1
106 42 3	p-Xylene	ug/L		ND	5 0	1

SURROGATES- In Percent Recovery:

Dibromofluoromethane	109	(86 118%)
1 2-Dichloroethane-d4	112	(80 - 120%)
Toluene-d8	101	(88 - 110%)
4 Bromofluorobenzene	111	(86 - 115%)

1 Reporting Limit

Login #L9907126
July 23 1999 08 37 am

KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126 21	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWT070799	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS8	Method	8260A
Extract Date	N/A	Analyst	MES	Run ID	R70076
Analysis Date	07/19/99 Time 11 13	Lab File ID	8M9722	Batch	WG61175

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67 64-1	Acetone	ug/L		ND	100	1
71 43-2	Benzene	ug/L		ND	5 0	1
108 86-1	Bromobenzene	ug/L		ND	5 0	1
74 97 5	Bromochloromethane	ug/L		ND	5 0	1
75 27 4	Bromodichloromethane	ug/L		ND	5 0	1
75 25-2	Bromoform	ug/L		ND	5 0	1
74 83 9	Bromomethane	ug/L		ND	10	1
78 93 3	2 Butanone	ug/L		ND	100	1
104 51 8	n Butylbenzene	ug/L		ND	5 0	1
135 98-8	sec-Butylbenzene	ug/L		ND	5 0	1
98 06 6	tert Butylbenzene	ug/L		ND	5 0	1
75 15 0	Carbon disulfide	ug/L		ND	5 0	1
56 23 5	Carbon tetrachloride	ug/L		ND	5 0	1
108 90-7	Chlorobenzene	ug/L		ND	5 0	1
124 48-1	Chlorodibromomethane	ug/L		ND	5 0	1
75 00 3	Chloroethane	ug/L		ND	10	1
110 75-8	2 Chloroethyl vinyl ether	ug/L		ND	10	1
67 66 3	Chloroform	ug/L		ND	5 0	1
74 87-3	Chloromethane	ug/L		ND	10	1
95 49-8	2-Chlorotoluene	ug/L		ND	5 0	1
106 43-4	4-Chlorotoluene	ug/L		ND	5 0	1
96 12-8	1 2-Dibromo-3 chloropropane	ug/L		ND	5 0	1
106 93 4	1 2-Dibromoethane	ug/L		ND	5 0	1
74 95 3	Dibromomethane	ug/L		ND	5 0	1
95 50 1	1 2-Dichlorobenzene	ug/L		ND	5 0	1
541 73-1	1 3 Dichlorobenzene	ug/L		ND	5 0	1
106 46-7	1 4-Dichlorobenzene	ug/L		ND	5 0	1
75 71-8	Dichlorodifluoromethane	ug/L		ND	10	1
75 34 3	1 1-Dichloroethane	ug/L		ND	5 0	1
107 06-2	1 2-Dichloroethane	ug/L		ND	5 0	1
75 35-4	1 1 Dichloroethene	ug/L		ND	5 0	1
156 59 2	cis-1 2-Dichloroethene	ug/L		ND	5 0	1
156 60 5	trans-1 2-Dichloroethene	ug/L		ND	5 0	1
78 87-5	1 2-Dichloropropane	ug/L		ND	5 0	1
142 28 9	1 3-Dichloropropane	ug/L		ND	5 0	1
594 20 7	2 2-Dichloropropane	ug/L		ND	5 0	1
10061 01-5	cis-1 3 Dichloropropene	ug/L		ND	5 0	1
10061 02-6	trans-1 3-Dichloropropene	ug/L		ND	5 0	1
563 58 6	1 1-Dichloropropene	ug/L		ND	5 0	1

Reporting Limit

Login #L9907126
July 23 1999 08 37 am

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907126-21	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWT070799	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL				
Matrix	Water	Date Collected	07/07/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS8	Method	8260A
Extract Date	N/A	Analyst	MES	Run ID	R70076
Analysis Date	07/19/99 Time 11 13	Lab File ID	8M9722	Batch	WG61175

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100 41 4	Ethylbenzene	ug/L		ND	5 0	1
	n-Hexane	ug/L		ND	10	1
591 78 6	2-Hexanone	ug/L		ND	10	1
87 68 3	Hexachlorobutadiene	ug/L		ND	5 0	1
98 82 8	Isopropylbenzene	ug/L		ND	5 0	1
99 87 6	p-Isopropyltoluene	ug/L		ND	5 0	1
108 10 1	4-Methyl-2-pentanone	ug/L		ND	10	1
75 09 2	Methylene chloride	ug/L		ND	5 0	1
91 20 3	Naphthalene	ug/L		ND	10	1
103-65 1	n-Propylbenzene	ug/L		ND	5 0	1
100 42 5	Styrene	ug/L		ND	5 0	1
630 20 6	1 1 1 2-Tetrachloroethane	ug/L		ND	5 0	1
79 34 5	1 1 2 2-Tetrachloroethane	ug/L		ND	5 0	1
127 18 4	Tetrachloroethene	ug/L		ND	5 0	1
108-88 3	Toluene	ug/L		ND	5 0	1
87 61 6	1 2 3-Trichlorobenzene	ug/L		ND	5 0	1
120 82 1	1 2 4-Trichlorobenzene	ug/L		ND	5 0	1
71 55 6	1 1 1-Trichloroethane	ug/L		ND	5 0	1
79 00-5	1 1 2-Trichloroethane	ug/L		ND	5 0	1
79 01 6	Trichloroethene	ug/L		ND	5 0	1
75 69 4	Trichlorofluoromethane	ug/L		ND	10	1
96 18-4	1 2 3-Trichloropropane	ug/L		ND	5 0	1
95 63 6	1 2 4-Trimethylbenzene	ug/L		ND	5 0	1
108 67 8	1 3 5-Trimethylbenzene	ug/L		ND	5 0	1
108-05 4	Vinyl acetate	ug/L		ND	10	1
75 01 4	Vinyl chloride	ug/L		ND	2 0	1
95-47-6	o-Xylene	ug/L		ND	5 0	1
108-38 3	m Xylene	ug/L		ND	5 0	1
106 42-3	p-Xylene	ug/L		ND	5 0	1

SURROGATES- In Percent Recovery:

Dibromofluoromethane	111	(86 118%)
1 2-Dichloroethane-d4	119	(80 - 120%)
Toluene-d8	105	(88 - 110%)
4-Bromofluorobenzene	113	(86 115%)

RL Reporting Limit

Order # 99 07 126
July 22 1999 04 42 pm

KEMRON ENVIRONMENTAL SERVICES
WORK GROUPS

Work Group	Run ID	Sample	Dil Type	Matrix	Product	Method	Date Collected	Department	
G 1	R69675	L9907126	01	Water	Volatile Organics	8260A	07 JUL 1999	Volatile	GC/MS
G	R 9 75	L9907126	02	Water	Volatile Organics	8260A	07 JUL 1999	Volatile	GC/MS
G 2	R 875	L9907126	03	Water	Volatile Organics	8260A	07 JUL 1999	Volatile	GC/MS
G 2	R 9675	L9907126	04	Water	Volatile Organics	8260A	07 JUL 1999	Volatile	GC/MS
G 1	R 9 75	L9907126	05	Water	Volatile Organics	8260A	07 JUL 1999	Volatile	GC/MS
G 1 2	R 9 75	L9907126	06	Water	Volatile Organics	8260A	07 JUL 1999	Volatile	GC/MS
G6	R 9675	L990712	07	Water	Volatile Organics	8260A	07 JUL 1999	Volatile	GC/MS
G 1	R 9675	L9907126	08	Water	Volatile Organics	8260A	07 JUL 1999	Volatile	GC/MS
G 6	R70 9	L9 07126	09	Water	Volatile Organics	8260A	07 JUL 1999	Volatile	GC/MS
G	R	L9907126	19	Water	Volatile Organics	8260A	07 JUL 1999	Volatile	GC/MS
G 2	R7 5	L9907126	20	Water	Volatile Organics	8260A	07 JUL 1999	Volatile	GC/MS
G	R7 7	L9907126	10	Water	Volatile Organics	8260A	07 JUL 1999	Volatile	GC/MS
G	R7	L990712	11	Water	Volatile Organics	8260A	07 JUL 1999	Volatile	GC/MS
G 5	R7 3	L9907126	12	Water	Volatile Organics	8260A	07 JUL 1999	Volatile	GC/MS
G 1 5	R7 3	L9907126	13	Water	Volatile Organics	8260A	07 JUL 1999	Volatile	GC/MS
G 5	R7	L9907126	15	Water	Volatile Organics	8260A	07 JUL 1999	Volatile	GC/MS
G 1	R7	L9907126	16	Water	Volatile Organics	8260A	07 JUL 1999	Volatile	GC/MS
G 1	R7007	L9907126	21	Water	Volatile Organics	8260A	07 JUL 1999	Volatile	GC/MS
G 1 7	R7 31	L9907126	14	Water	Volatile Organics	8260A	07 JUL 1999	Volatile	GC/MS
G 1	R7023	L9907126	17	Water	Volatile Organics	8260A	07 JUL 1999	Volatile	GC/MS
G 1	R7 5	L9907126	18	Water	Volatile Organics	8260A	07 JUL 1999	Volatile	GC/MS

KEMRON ANALYST LIST

Ohio Valley Laboratory

06/24/99

ALC	Ann L Clark
BAD	Becky A Diehl
CAR	Caleb A Robinson
CBN	C Brian Noll
CEB	Chad E Barnes
CDB	Christy D Burton
CK	Carl King
CMS	Crystal M Stevens
CRC	Carla R Cochran
DIH	Deanna I Hesson
DLN	Deanna L Norton
DLP	Dorothy L Payne
DMD	David M Dye
ECL	Eric C Lawson
FEH	Fay E Harmon
GWH	George W Hutchinson
HLC	Holly L Curiev
HV	Hema Vilasagar
JCR	Jennifer C Randall
JG	Jonathan Graziani
JLH	Janice L Holland
JWR	John W Richards
JYH	Ji Y Hu
KAS	Kevin A Stutler
KHA	Kim H Archer
KJS	Kara J Stump
KRA	Kathy R Albertson
LKM	Laura K Morris
MDA	Mike D Albertson
MDC	Michael D Cochran
MES	Mary E Schiling
MLS	Michael L Schimmel
MMB	Maren M Beery
NLC	Nicole L Currey
RDC	Rebecca D Cutlip
RDS	Rebecca D Sutton
REF	Ron E Fertile
REK	Robert E Kyer
RSS	Regina S Simmons
RWC	Rodney W Campbell
SJK	Sindy J Kinney
SJM	Shawn J Marshall
SLP	Sheri L Pfalzgraf
SLT	Stephanie L Tepe
SMW	Shauna M Welch
SPL	Steve P Learn
SPS	Steve P Swatzel
TRS	Todd R Stack
VC	Vicki Collier
VMN	Vincent M Nedeff

KEMRON Environmental Services Inc
LIST OF VALID QUALIFIERS (qual)
December 10 1998

Qualifier	Description
A	See the report narrative
NA	Not applicable
+	Correlation coefficient for the MSA is less than 0 995
<	Less than
>	Greater than
B	Present in the method blank
C	Confirmed by GC/MS
*	Surrogate or spike compound out of range
CG	Confluent growth
D	The analyte was quantified at a secondary dilution factor
DL	Surrogate or spike was diluted out
E	Estimated concentration due to sample matrix interference
F	Present below nominal reporting limit (AFCEE only)
FL	Free liquid
I	Semiquantitative result, out of instrument calibration range
J	Present below nominal reporting limit
L	Sample reporting limits elevated due to matrix interference
M	Duplicate injection precision not met

Qualifier	Description
N	Tentatively Identified Compound (TIC)
ND	Not detected at or above the reporting limit (RL)
NF	Not found
NFL	No free liquid
NI	Non ignitable
NR	Analyte is not required to be analyzed
NS	Not spiked
P	Concentration > 25% difference between the two GC columns
QNS	Quantity not sufficient to perform analysis
R	Analyte exceeds regulatory limit
RA	Reanalysis confirms reported results
RE	Reanalysis confirms sample matrix interference
S	Analyzed by method of standard addition
SMI	Sample matrix interference on surrogate
SP	Reported results are for spike compounds only
TNTC	Too numerous to count
U	Analyzed for but not detected
W	Post-digestion spike for furnace AA out of control limits
Z	Can not be resolved from isomer See below

Special Notes for Organic Analytes

1 Acrolein and acrylonitrile by method 624 are semiquantitative screens only
2 1 2 Diphenylhydrazine is unstable and is reported as azobenzene
3 N nitrosodiphenylamine cannot be separated from diphenylamine
4 3 Methyphenol and 4-Methyphenol are unresolvable compounds
5 m Xylene and p Xylene are unresolvable compounds
6 The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264 Appendix IX They are not always achievable for every compound and are matrix dependent

ORGANIC QA/QC

Kemron
ENVIRONMENTAL SERVICES

K m n Environm ntal Servi e -OVL
V olat le Qu lity Control Summary

W rkgroup #	WG6102	**R n Date**	7/15/99	**SMPL Num**	07 155-07	**LCS DF**	1
M th d	8260B	**Instrum t ID**	HPMS9	**SMPL FLNM**	9M4127 D	**SMPL DF**	10
Matrix:	WATER	**BLK FLNM**	9M4119 D	**MS FLNM**	9M4128 D	**MS DF**	10
Units	ug/L	**LCS FLNM**	9M4120 D	**MSD FLNM**	9M4129 D	**MSD DF**	10

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	Blank	LCS	LCS Spike Level	Sample	MS	MSD	MS Spik Level	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MS UCL	MS RPD	RPD UCL	Blank	LCS	Sampl	MS	MSD	RPD
Tar t Analytes	ug/L	ug/L	ug L	ug/L	g/L	ug L	g/L	ug/L	/		%		/	/		/	/	/	%						
i hl odifluoromethan	0 26	ND	21 85	20 0	ND	225 10	225 79	200 0	ND	109 3	10 0	153 0	ND	112 6	112 9	10 0	153 0	0 3	42 0						
hl omethane	0 52	ND	18 72	20 0	ND	199 48	196 05	00 0	ND	93 6	49 0	129 0	ND	99 7	98 0	49 0	129 0	1 7	30 0						
vinyl chloride	0 30	ND	0 53	0 0	ND	194 84	189 98	200 0	ND	102 7	57 0	135 0	ND	97 4	95 0	57 0	135 0	2 5	30 0						
br m n thane	0 68	ND	22 87	20 0	ND	219 10	208 08	00 0	ND	114 4	58 0	140 0	ND	109 6	104 0	58 0	140 0	5 2	39 0						
hlo oethan	0 41	ND	19 80	20 0	ND	203 93	207 28	200 0	ND	99 0	69 0	1_6 0	ND	102 0	103 6	69 0	126 0	1 6	7 0						
n hl ofluo m thane	0 32	ND	19 15	20 0	ND	197 36	199 89	200 0	ND	95 8	67 0	152 0	ND	98 7	99 9	67 0	152 0	1 3	22 0						
isop ene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
crolein	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
ni ro-1 2 until oethan	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
t ne	4 26	ND	17 90	20 0	68 60	264 97	278 58	200 0	ND	89 5	40 0	142 0	69	98 2	105 0	40 0	142 0	5 0	40 0						
1 1 d hl roethan	0 31	ND	0 36	20 0	ND	208 0_	212 49	_00 0	ND	101 8	81 0	130 0	ND	104 0	106 2	81 0	130 0	1	18 0						
dim thyl sulfid	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
odomethane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
n thylen hlorid	0 74	ND	20 20	20 0	ND	210 66	210 41	200 0	ND	101 0	76 0	125 0	ND	105 3	105 2	76 0	125 0	0 1	19 0						
carbon disulfide	0 23	ND	2_ 55	20 0	ND	231 77	234 16	200 0	ND	117 8	70 0	138 0	ND	115 9	117 1	70 0	138 0	1 0	20 0						
rylonitril	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
m l t rt b tyl ethe	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tran 1 -di hlo o then	0 22	ND	21 78	20 0	ND	223 61	227 95	200 0	ND	108 9	86 0	135 0	ND	111 8	114 0	86 0	135 0	1 9	16 0						
1 he an	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tnyl tate	1 00	ND	28 66	20 0	ND	310 64	322 6	200 0	ND	143 3	10 0	136 0	ND	155 3	161 1	10 0	136 0	3 7	66 0		H		H	H	
1 1-d hl oethan	0_3	ND	0 56	0 0	ND	213 15	213 19	200 0	ND	10 8	84 0	127 0	ND	106 6	106 6	84 0	127 0	0 0	15 0						
b tanone	2 00	ND	17 40	20 0	ND	202 82	15 17	200 0	ND	87 0	61 0	137 0	ND	101 4	107 6	61 0	137 0	5 9	30 0						
d 1 1 op pane	0 6	ND	0 49	20 0	ND	191 47	194 86	200 0	ND	10 5	79 0	130 0	ND	95 7	97 4	79 0	130 0	1 8	17 0						
s 1 d chl oethene	0 4	ND	0 79	20 0	ND	10 25	210 14	200 0	ND	104 0	82 0	121 0	ND	105 1	105 1	82 0	121 0	0 1	15 0						
chl roform	0 1	ND	20 46	20 0	ND	208 01	208 98	200 0	ND	102 3	85 0	121 0	ND	104 0	104 5	85 0	121 0	0 5	15 0						
b mochlo m than	0 21	ND	1 21	0 0	ND	213 55	214 90	200 0	ND	106 1	85 0	1 1 0	ND	106 8	107 5	85 0	121 0	0 6	15 0						
1 1 1 tri hlo oethan	0 30	ND	0 39	20 0	ND	211 99	215 83	200 0	ND	10 0	78 0	127 0	ND	106 0	107 9	78 0	127 0	1 8	17 0						
cy l hexane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 1 d hloropropen	0 9	ND	2 64	20 0	ND	228 71	232 73	200 0	ND	113 2	91 0	133 0	ND	114 4	116 4	91 0	133 0	1 7	15 0						
arb n t tra hl rid	0 30	ND	21 1	0 0	ND	18 64	221 5	200 0	ND	106 1	0 0	130 0	ND	109 3	110 8	70 0	130 0	1 3	0 0						
1 d hl roethan	0 17	ND	19 24	20 0	ND	200 09	200 96	200 0	ND	96	78 0	1_8 0	ND	100 0	100 5	78 0	128 0	0 4	17 0						
benzene	0 0	ND	21 61	20 0	ND	218 89	19 04	200 0	ND	108 1	87 0	118 0	ND	109 4	109 5	87 0	118 0	0 1	15 0						
tri hl ro the	0 30	ND	1 79	0 0	ND	10 41	1 75	00 0	ND	104 0	83 0	1 3 0	ND	105	106 4	83 0	123 0	1 1	15 0						
1 hl p pan	0 1	ND	0	1 0	ND	03 06	203 58	00 0	ND	101 1	81 0	1 1 0	ND	101 5	101 8	81 0	121 0	0 3	15 0						
d hlo metha	0 4	ND	0 5	0	ND	06 66	0 96	00	ND	10 6	81 0	126 0	ND	103 3	104 0	81 0	1 6 0	0 6	16 0						
1 b m m than	0 25	ND	0 25	20 0	ND	11 53	10 95	200 0	ND	101 3	83 0	1 2 0	ND	105 8	105 5	83 0	12 0	0 3	15 0						
hl roethylvinyl ether	0 9	ND	0 05	0 0	ND	27 62	222 88	200 0	ND	100 3	45 0	154 0	ND	113 8	111 4	45 0	154 0	2 1	46 0						
4 m thyl 2 pentanone	1 27	ND	21 6	20 0	ND	48 90	52 17	200 0	ND	106 3	66 0	132 0	ND	1 4 5	126 1	66 0	132 0	1 3	33 0						
s 1 3 dichl ropropen	0 15	ND	21 60	20 0	ND	213 67	214 06	00 0	ND	108 0	87 0	1 4 0	ND	106 8	107 0	82 0	124 0	0 2	15 0						
dimethyl dis lfid	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
t luene	0 1	ND	1 97	20 0	ND	223 70	_5 61	200 0	ND	109 9	84 0	1 3 0	ND	111 9	112 8	84 0	123 0	0 9	15 0						
thyl metha ryl te	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
trans 1 3 di hl op p n	0 33	ND	19 94	20 0	ND	20 7	205 99	00 0	ND	99 7	80 0	1 4 0	ND	101 4	103 0	80 0	1 4 0	1 6	15 0						
1 1 tri hl oethan	0 45	ND	0 84	20 0	ND	218 22	219 52	00 0	ND	104 2	8 0	122 0	ND	109 1	109 8	78 0	122 0	0 6	15 0						

Kem E ir nm ntal Servi es -OVL
V l til Qu lity Control Summary

Workgroup #	WG61022	**Run Date**	7/15 99	SMPL Num.	07 155-02	**LCS DF**	1
M thod	8 60B	**Instrument ID·**	HPMS9	SMPL FLNM.	9M4127 D	**SMPL DF**	10
Matrix.	WATER	**BLK FLNM**	9M4119 D	MS FLNM	9M4128 D	**MS DF**	10
Units	g/L	**LCS FLNM**	9M4120 D	MSD FLNM	9M4129 D	**MSD DF**	10

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	BLK	LCS	LCS Spik Le el	SMPL	MS	MSD	MS Spik Le l	BLK	LCS	LCS LCL	LCS UCL	Sampl	MS	MSD	MS LCL	MSD UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPD
Targ t Analyt s	ug/L	ug/L	ug/L	ug/L	ug/L	g/L	ug/L	ug/L	%		/	/	%	/	%	/	%		%						
hexanone	1 39	ND	18 10	20 0	ND	209 93	217 14	200 0	ND	90 5	57 0	130 0	ND	105 0	108 6	57 0	130 0	3 4	31 0						
1 3-di hl p pane	0 33	ND	20 05	20 0	ND	21 04	213 67	200 0	ND	100 3	78 0	123 0	ND	106 0	106 8	78 0	123 0	0 8	15 0						
: u hl roethen	0 8	ND	0 96	20 0	ND	10 01	14 4	200 0	ND	104 8	83 0	124 0	ND	105 0	107	83 0	124 0	2 1	15 0						
d b mochlo omethane	0 45	ND	21 30	20 0	ND	222 18	226 52	200 0	ND	106 5	78 0	123 0	ND	111 1	113 3	78 0	123 0	1 9	18 0						
l dibrom ethan	0 33	ND	19 97	20 0	ND	214 16	17 99	200 0	ND	99 9	79 0	123 0	ND	107 1	109 0	79 0	123 0	1 8	15 0						
1-chl h xan	NTC	ND	NS	20 0	ND	NS	NS	200 0	ND	NA	60 0	140 0	ND	NA	NA	60 0	140 0	NA	NA						
hlorob nz n	0 8	ND	1 50	0 0	ND	214 50	214 98	200 0	ND	107 5	70 0	130 0	ND	107 3	107 5	87 0	118 0	0	15 0						
1 1 1 t tra hloroethan	0 61	ND	21 81	20 0	ND	218 28	220 14	200 0	ND	109 1	82 0	123 0	ND	109 1	110 1	82 0	123 0	0 8	15 0						
thylbenzene	0 27	ND	1 67	20 0	ND	220 15	221 16	200 0	ND	108 4	85 0	121 0	ND	110 1	110 6	85 0	121 0	0 5	15 0						
m+p- yl	0 40	ND	44 55	40 0	ND	451 52	453 37	400 0	ND	111 4	86 0	1 1 0	ND	112 9	113 3	86 0	121 0	0 4	15 0						
o-xyl n	0	ND	1 47	0 0	ND	239 30	38 71	200 0	ND	107 4	85 0	121 0	ND	119 7	119 4	85 0	121 0	0	15 0						
tyren	0 28	ND	22 50	20 0	ND	236 80	38 11	200 0	ND	112 5	84 0	1 0 0	ND	118 4	119 1	84 0	120 0	0 6	15 0						
b m form	0 53	ND	0 81	20 0	ND	216 22	222 89	200 0	ND	104 1	73 0	1 4 0	ND	108 1	111 4	73 0	124 0	3 0	22 0						
isop opylbenz	0 22	ND	2 7	20 0	ND	241 77	43 84	200 0	ND	111 4	81 0	124 0	ND	120 9	121 9	81 0	124 0	0 9	15 0						
1 1 t tr hl oethane	0 67	ND	19 85	0 0	ND	4 7	2 5 61	200 0	ND	99 3	0	132 0	ND	112 1	112 8	72 0	132 0	0 6	23 0						
1 3 tri hl r propan	0 92	ND	19 53	20 0	ND	213 40	215 41	200 0	ND	97 7	72 0	132 0	ND	106 7	107 7	72 0	132 0	0 9	1 0						
trans 1 4-dichloro b ten	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	60 0	140 0	ND	NS	NS	60 0	140 0	NA	20 0						
p pyl benze	0 19	ND	22 47	0 0	ND	222 93	226 57	200 0	ND	112 4	82 0	125 0	ND	111 5	113 3	82 0	125 0	1 6	15 0						
b omob nzen	0 3	ND	0 54	20 0	ND	00 00	0 40	200 0	ND	102 7	84 0	120 0	ND	100 0	101 2	84 0	120 0	1 2	15 0						
1 5 trim th lb nze	0 2	ND	22 04	0 0	ND	215 45	219 19	00 0	ND	110 2	8 0	125 0	ND	107 7	109 6	82 0	125 0	1 7	15 0						
-chlorot luen	0 38	ND	0 3	0 0	ND	204 56	03 78	200 0	ND	101 6	80 0	128 0	ND	102 3	101 9	80 0	128 0	0 4	15 0						
4 hl tolu n	0 30	ND	0 81	20 0	ND	03 91	209 79	200 0	ND	104 1	80 0	127 0	ND	102 0	104 9	80 0	127 0	2 8	15 0						
alpha m thyl styrene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
t rt butyl b nzen	0 27	ND	2 12	20 0	ND	217 63	223 56	200 0	ND	110 6	80 0	121 0	ND	108 8	111 8	80 0	121 0	2 7	15 0						
1 2,4 trimeth lbenzen	0 7	ND	1 0	0 0	ND	209 07	213 06	200 0	ND	106 0	84 0	125 0	ND	104 5	106 5	84 0	125 0	1 9	15 0						
c butyl benzene	0 23	ND	21 27	0 0	ND	16 00	219 33	200 0	ND	106 4	80 0	125 0	ND	108 0	109 7	80 0	125 0	1 5	15 0						
p-isop opyl toluen	0 0	ND	0 93	20 0	17 88	209 49	215 08	200 0	ND	104 7	79 0	133 0	17 9	95 8	98 6	79 0	133 0	2 6	15 0						
1 3-d hlorobenz n	0 32	ND	0 71	0 0	ND	08 67	210 64	200 0	ND	103 6	70 0	130 0	ND	104 3	105 3	70 0	130 0	0 9	15 0						
1 4-di hlorobenzen	0 2	ND	0 4	0 0	ND	202 99	204 56	200 0	ND	102 1	70 0	130 0	ND	101 5	102 3	70 0	130 0	0 8	15 0						
n b tyl benzene	0 33	ND	0 86	20 0	ND	240 31	246 6	200 0	ND	104 3	78 0	1 8 0	ND	120 2	123 1	78 0	128 0	4	17 0						
1 -d nlorobenzene	0 30	ND	0 89	20 0	ND	08 90	10 85	00 0	ND	104 5	70 0	130 0	ND	104 5	105 4	70 0	130 0	0 9	15 0						
1 1b rmo 3 hlorop pan	1 70	ND	19 07	0 0	ND	237 3	236 41	00 0	ND	95 1	69 0	125 0	ND	118 6	118 2	69 0	1 5 0	0 3	26 0						
1 4 t hl b n n	0 4	ND	1 7	0 0	ND	09 99	1 67	200 0	ND	97 0	74 0	1 4 0	ND	105 0	106 8	74 0	1 4 0	1 7	0 0						
1 hlo obutadi n	0 4	0 71	15 37	0 0	ND	191 03	196 95	00 0	0 7	76 9	67 0	131 0	ND	95 5	98 5	67 0	131 0	3 1	6 0						
naphthalene	0 51	ND	0 37	0 0	17 17	77 4	280 41	200 0	ND	101 9	69 0	126 0	17	130 1	131 6	69 0	126 0	1 1	24 0				H	H	
1 2 3 tr hl r benzene	0 31	ND	19 10	20 0	ND	22 18	25 36	200 0	ND	95 5	60 0	137 0	ND	111 1	112 7	60 0	137 0	1 4	33 0						
S rr gates																									
dibromofluoromethane		23 90	4 68	25 0	23 96	24 35	24.35	25 0	95 6	98 7	86	118	95 8	97 4	97 4										
1 d hl ro than d4		22 3	23 01	25 0	24 69	23 80	23 72	25 0	90 9	92 0	80	120	98 8	95 2	94 9										
tol n -d8		26 23	26 03	25 0	6 16	5 97	26 05	25 0	104 9	104 1	88	110	104 6	103 9	104 2										
r i fl b nzene		5 43	21 50	5 0	25 33	23 51	24 03	25 0	101 7	98 0	86	115	93 3	95 6	96 1										

Not ard Definitions

MDL f thod Det tion Lim t
BLK M thod Blank
LCS Labo t ry Co tr l Sampl
MS/MSD M trix Spike / Matrix Spik Dupl ate

LCL= Lower Contr l Limit
UCL= Upper Control Limit
H=Abov contr l limit
L=Below control limit

ND= N D tect d
RPD= Rel tive Percent Difference
NS Not spiked
NA=Not appl cable

DF=Dilut on Fact r

K m E ro me tal Services -OVL
\ olatile Quality C ntrol S mmary

W rkgroup #	WG61121	Run Date	7/16/99	SMPL Num	07 266-01	LCS DF	1
Method	8260B	Instrument ID	HPMS8	SMPL FLNM	8M9699 D	SMPL DF	1
M trix	WATER	BLK FLNM	8M9694 D	MS FLNM	8M9700 D	MS DF	1
Units	ug/L	LCS FLNM	8M9695 D	MSD FLNM	8M9701 D	MSD DF	1

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	Bla k	LCS	LCS Spike Le l	Sample	MS	MSD	MS Sp ke Le el	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MS UCL	MS RPD	RPD UCL	Blank	LCS	Sampl	MS	MSD	RPD
Target Analytes	g/L	g L	ug/L	ug/L	ug/L	g/L	ug/L	g/L	%				%		%	%	%	%	%						
dichlorodifluoromethan	0.26	ND	19.97	20 0	ND	13 72	12 23	20 0	ND	99 9	10 0	153 0	ND	68 6	61 2	10 0	153 0	11 5	42 0						
hlo methane	0 5	ND	18 23	20 0	ND	14 71	13 45	20 0	ND	91.2	49 0	129 0	ND	73 6	67 3	49 0	129 0	8 9	30 0						
nyl hl rid	0 30	ND	19 59	20 0	301 58	166 16	148 86	20 0	ND	98 0	57 0	135 0	301 6	NA	NA	57 0	135 0	NA	30 0						
bromomethane	0 68	ND	18 72	20 0	ND	15 39	14 11	20 0	ND	93 6	58 0	140 0	ND	77 0	70 6	58 0	140 0	8 7	39 0						
chloroethane	0.44	ND	18 98	20 0	ND	15 01	13 91	20 0	ND	94.9	69 0	126 0	ND	75 1	69 6	69 0	126 0	7 6	27 0						
trichlor fluoromethane	0 32	ND	21 50	20 0	ND	15 89	14 22	20 0	ND	107 5	67 0	152 0	ND	79 5	71 1	67 0	152 0	11 1	22 0						
soprene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
crolein	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 1 tri hlo 1 ,2-trifluoroethane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
cetone	4 26	ND	23 00	0 0	ND	25 79	26 72	20 0	ND	115 0	40 0	142 0	ND	129 0	133 6	40 0	142 0	3.5	40 0						
1 1-d hl roethene	0 31	ND	19 35	20 0	37 01	36 10	32 96	20 0	ND	96.8	81 0	130 0	37 0	NA	NA	81 0	130 0	NA	18 0						
din ethyl sulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
odomethane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
ethylene chloride	0 74	ND	1 12	20 0	ND	20 02	18 77	20 0	ND	105 6	76 0	125 0	ND	100 1	93 9	76 0	125 0	6 4	19 0						
arbon disulfid	0.23	ND	19 19	20.0	ND	14 46	13 19	20 0	ND	96 0	70 0	138 0	ND	72.3	66 0	70 0	138 0	9 2	20 0					L	
rylo trile	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
methyl tert-butyl ether	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tran 1,2 dichl oethene	0 22	ND	19 95	20 0	16 44	27 17	25 02	20 0	ND	99 8	86 0	135 0	16 4	53 7	42 9	86 0	135 0	8 2	16 0				L	L	
n-h ane	NTC	0 66	NS	NS	0 49	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
nyl acetate	1 00	ND	31 50	20 0	ND	30 74	30 22	20 0	ND	157 5	10 0	136 0	ND	153 7	151 1	10 0	136 0	1 7	66 0		H		H	H	
1 1 di hl roethane	0 23	ND	19 65	20 0	8 52	22.87	21 52	20.0	ND	98.3	84 0	127 0	8 5	71 8	65 0	84.0	127 0	6 1	15 0				L	L	
b tan ne	2 00	ND	24 31	20 0	2 56	26 83	26.84	20 0	ND	121 6	61 0	137 0	2 6	121 4	121 4	61 0	137 0	0 0	30 0						
-dichlorop pane	0.26	ND	21.81	20 0	ND	16 40	14 83	20.0	ND	109 1	79 0	130 0	ND	82.0	74 2	79.0	130.0	10 1	17 0					L	
c 1 2-di hloroethene	0.4	ND	19 08	20 0	7 98	22 68	21 32	20 0	ND	95 4	82 0	121 0	8 0	73 5	66 7	82 0	121 0	6.2	15 0				L	L	
chloroform	0.1	ND	20 36	20 0	128 09	113 77	107 84	20 0	ND	101 8	85 0	121 0	128 1	NA	NA	85 0	121 0	NA	15.0						
bromochl methane	0 1	ND	0 68	20 0	ND	19 46	19 18	20 0	ND	103 4	85.0	121 0	ND	97 3	95 9	85 0	121 0	1 4	15 0						
1 1 1 trichloroethane	0.30	ND	1 48	20 0	ND	16.84	15 39	20.0	ND	107 4	78 0	127 0	ND	84 2	77 0	78 0	127 0	9 0	17 0					L	
cy lohe ane	NTC	0 41	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 1-d hlor propene	0 29	ND	2 30	20 0	ND	17 19	15 80	20 0	ND	111.5	91 0	133 0	ND	86.0	79 0	91 0	133 0	8 4	15 0				L	L	
arbon tetrachloride	0 30	ND	21 83	20 0	ND	16 66	15.21	20.0	ND	109.2	70 0	130 0	ND	83.3	76 1	70 0	130 0	9 1	20 0						
1 2 dichlo oethane	0 17	ND	21 66	20 0	2 77	22 99	22.35	20 0	ND	108 3	78 0	128 0	2.8	101 1	97 9	78 0	128 0	2 8	17 0						
be	0 20	ND	19 02	20 0	0 42	16 29	15 37	20 0	ND	95 1	87 0	118 0	0 4	79 4	74 8	87 0	118 0	5 8	15 0				L	L	
trichloroethene	0.30	ND	19 54	0 0	5 25	19 09	18 16	20 0	ND	97 7	83 0	123 0	5.3	69.2	64 6	83 0	123 0	5 0	15 0				L	L	
1 -dichloropropane	0 20	ND	19 05	20 0	ND	17 00	16 10	20 0	ND	95 3	81 0	121 0	ND	85 0	80 5	81 0	121 0	5 4	15 0					L	
b mod chlo omethane	0 4	ND	20 84	20 0	ND	19 11	18 47	20 0	ND	104 2	81 0	126 0	ND	95 6	92.4	81 0	126 0	3 4	16 0						
dibr momethane	0 25	ND	21 29	20 0	ND	21 32	20 51	20 0	ND	106 5	83 0	122 0	ND	106 6	102 6	83 0	122 0	3 9	15 0						
-chloroethyl vinyl ether	0 79	ND	4 32	20 0	ND	13 99	28 03	0.0	ND	121 6	45 0	154 0	ND	69 6	140 2	45 0	154 0	67 3	46 0						H
4 ethyl 2 pentan ne	1 27	ND	23 63	20 0	ND	25 07	25 25	20 0	ND	118 2	66 0	132 0	ND	12 4	126.3	66 0	132 0	0 7	33 0						
c s-1,3-dichloropropene	0 15	ND	20 71	20.0	ND	19 09	18.35	20.0	ND	103 6	82 0	124 0	ND	95.5	91 8	82 0	124 0	4 0	15 0						
d methyl disulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
toluene	0.21	ND	20.31	20 0	ND	16.67	15 71	20 0	ND	101 6	84 0	123 0	ND	83 4	78 6	84.0	123.0	5 9	15.0				L	L	
thyl m thacrylate	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
trans 1,3-dichloropropen	0 33	ND	21 38	20 0	ND	20.02	19 44	20 0	ND	106.9	80.0	124 0	ND	100 1	97.2	80.0	124 0	2 9	15 0						
1 1,2 trichloroethane	0 45	ND	21 11	20 0	7 69	27 14	26 89	20 0	ND	105 6	78 0	122 0	7 7	97 3	96 0	78 0	122 0	0 9	15 0						

K m E nm tal Services -OVL
Vol til Q ality Control Summary

Workg p #	WG611 1	Run Date	7 16 99	SMPL Num.	07 266-01	LCS DF	1
Method	8260B	Instrument ID	HPMS8	SMPL FLNM	8M9699 D	SMPL DF	1
Matrix	WATER	BLK FLNM	8M9694 D	MS FLNM	8M9700.D	MS DF	1
Units	ug/L	LCS FLNM	8M9695 D	MSD FLNM	8M9701 D	MSD DF	1

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	BLK	LCS	LCS Spike Le el	SMPL	MS	MSD	MS Spike Le el	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MSD UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPD
Tar,ct Analytes	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	/	/	%	/	%	/	%	%	%	/	/						
hexanone	1 39	ND	_5 39	20 0	ND	27 19	27 41	20 0	ND	127 0	57 0	130 0	ND	136 0	137 1	57 0	130 0	0 8	31 0				H	H	
1 3-dichloropr pane	0.33	ND	21 12	20 0	ND	20 07	19 78	20 0	ND	105 6	78 0	1 3 0	ND	100 4	98 9	78 0	123 0	1 5	15 0						
tetrachl roethene	0 28	ND	19 94	20.0	0 49	15 61	14.44	20 0	ND	99 7	83 0	124.0	0.5	75.6	69 8	83 0	124.0	7 8	15 0				L	L	
d b m hl m thane	0 45	ND	2 13	20 0	ND	21 12	20 7	20 0	ND	110 7	78 0	123 0	ND	105 6	103 6	78 0	123 0	1 9	18 0						
1,_ dibromoethane	0.33	ND	21 84	20 0	ND	20 74	20 68	20 0	ND	109 2	79 0	123 0	ND	103 7	103 4	79 0	123 0	0 3	15 0						
1 chlorohexane	NTC	0 49	NS	20 0	ND	NS	NS	20 0	ND	NS	60 0	140 0	ND	NA	NA	60 0	140 0	NA	NA						
hl robenzene	0 _8	ND	_0 33	20 0	ND	17 67	16 86	20 0	ND	101 7	70.0	130 0	ND	88 4	84.3	87 0	118 0	4 7	15.0					L	
1 1 1 2 tetrachloroethane	0 61	ND	21 86	20 0	ND	19 63	18 76	20 0	ND	109 3	82 0	123 0	ND	98.2	93 8	82 0	123 0	4 5	15 0						
thylbenzene	0 7	ND	0 39	0 0	ND	16 47	15 58	20 0	ND	102 0	85 0	121 0	ND	82 4	77 9	85 0	121 0	5 6	15 0				L	L	
m+p- ylene	0 40	ND	40 47	40 0	ND	33 07	30 95	40 0	ND	101 2	86 0	121 0	ND	82 7	77 4	86 0	121 0	6 6	15 0				L	L	
xylene	0.22	ND	20.08	20.0	ND	16 75	16 05	0 0	ND	100 4	85 0	121 0	ND	83.8	80 3	85 0	121 0	4.3	15 0				L	L	
styrene	0 28	ND	20 52	20 0	ND	17 78	17 04	20 0	ND	102 6	84 0	120 0	ND	88 9	85 2	84 0	120 0	4 3	15 0						
b omoform	0 53	ND	1 22	20 0	ND	20 83	20.38	20 0	ND	106 1	73 0	124 0	ND	104 2	101 9	73 0	124 0	2 2	22 0						
sopropylbenzene	0 22	0 29	19 94	20 0	ND	15 78	14 68	20 0	0.3	99 7	81 0	124 0	ND	78 9	73 4	81 0	124 0	7 2	15 0				L	L	
1 1,_ 2 tetrachloroethane	0 67	ND	1 90	20 0	ND	21 97	21 82	20 0	ND	109 5	7_.0	132 0	ND	109 9	109 1	72 0	132 0	0 7	23.0						
1 _3 m hl ropropane	0 92	ND	23 58	20 0	ND	23 97	23 75	20 0	ND	117 9	72 0	132 0	ND	119 9	118 8	72 0	132 0	0 9	21 0						
trans 1 4-dichloro 2 b te	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	60 0	140 0	ND	NS	NS	60 0	140 0	NA	20 0						
pr pyl-benzene	0 19	0 50	20 47	20 0	ND	16.24	15 17	20 0	0 5	102 4	82 0	125 0	ND	81 2	75 9	82 0	1_5 0	6 8	15 0				L	L	
br nobenzene	0.37	ND	0.02	20 0	ND	18 11	17 43	20 0	ND	100 1	84 0	120 0	ND	90.6	87 2	84.0	120 0	3 8	15 0						
1 3 _ trim thylbe	0 22	0 49	0 27	20 0	ND	16 64	15 68	20 0	0 5	101 4	82 0	125 0	ND	83 2	78 4	82 0	125 0	5 9	15 0					L	
chlor toluene	0.38	ND	20.30	20 0	ND	16 16	16.37	20.0	ND	101 5	80 0	128.0	ND	80.8	81 9	80 0	128.0	1.3	15 0						
4-chlorotoluene	0 30	ND	19 85	20 0	ND	18 01	15 98	20 0	ND	99 3	80 0	127 0	ND	90 1	79 9	80 0	127 0	11 9	15 0					L	
alpha m thyl sty ene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
t rt b tyl benzene	0 27	0 75	17 99	20 0	ND	14 22	13 72	20 0	0 8	90 0	80 0	121 0	ND	71 1	68 6	80 0	121 0	3 6	15 0				L	L	
1,2 4-trim thylbenzene	0.27	0 54	20 05	20 0	ND	16 92	16 13	20 0	0 5	100 3	84 0	125 0	ND	84 6	80 7	84.0	125 0	4 8	15 0					L	
sec butyl benze c	0 23	0 89	18 96	20 0	ND	14.36	13 61	20 0	0 9	94 8	80 0	125 0	ND	71 8	68 1	80 0	125 0	5 4	15 0				L	L	
p-isopropyl toluene	0.20	0 87	18 9	20 0	ND	14 56	13 92	20 0	0 9	94.6	79 0	133 0	ND	72 8	69 6	79 0	133 0	4 5	15 0				L	L	
1 3 di hl robenze	0 32	ND	19 66	20 0	ND	17 20	16 61	20 0	ND	98 3	70 0	130 0	ND	86 0	83 1	70 0	130 0	3 5	15 0						
1 4-d hl robenzene	0 27	ND	19 79	20 0	ND	17 51	16 92	20 0	ND	99 0	70 0	130 0	ND	87 6	84.6	70 0	130 0	3 4	15 0						
b tyl benze e	0 33	0 87	19 08	20 0	ND	14 37	13 62	20 0	0 9	95 4	78 0	128 0	ND	71 9	68 1	78 0	128 0	5 4	17 0				L	L	
_-d hlorobenzene	0 30	ND	20 47	0 0	ND	18 74	18 21	20 0	ND	102 4	70 0	130 0	ND	93 7	91 1	70 0	130 0	2 9	15 0						
1 d b mo 3-chl op pan	1 70	ND	21 35	20 0	ND	22 49	22 90	20 0	ND	106 8	69 0	125 0	ND	112 5	114 5	69 0	125 0	1 8	26 0						
1 4 trichlorobenzene	0 24	0 96	18 92	20 0	ND	16 78	16 72	20.0	1 0	94.6	74 0	124.0	ND	83 9	83 6	74 0	124 0	0 4	20 0						
h hl b tad	0 45	0 95	17 79	20 0	ND	13 12	12 44	20 0	1 0	89 0	67 0	131 0	ND	65 6	62 2	67 0	131 0	5 3	26 0				L	L	
naphthalene	0.51	0 54	19 51	20.0	ND	19 46	19 68	20 0	0 5	97 6	69 0	126 0	ND	97.3	98 4	69 0	126.0	1 1	24 0						
1 3 m hl c be e	0 31	1 07	18 98	20 0	ND	17 54	17 48	20 0	1 1	94 9	60 0	137 0	ND	87 7	87 4	60 0	137 0	0 3	33 0						
urrogates																									
dib omofluoromethane		26.37	26.68	25 0	27.35	27 53	27 41	25 0	105.5	106 7	86	118	109.4	110 1	109.6										
1 2-di hl roethane-d4		28 08	28 15	25 0	29 02	29 61	29 93	25 0	112 3	112.6	80	120	116 1	118 4	119 7										
toluene-d8		27.23	27.22	25 0	26 86	26 64	26 60	25 0	108 9	108 9	88	110	107.4	106 6	106 4										
p-br m fluorobenze e		27 38	27 55	25 0	27 74	27 71	27 75	25 0	109 5	110 2	86	115	111 0	110 8	111 0										

Not and Definitions

MDL= Meth d Detecto Limit
BLK Meth d Blank
LCS Labo atory Control Sampl
MS MSD= Matrix Spike / Matrix Spike D plic te

LCL= Lower Control Limit
UCL= Upper Control Limit
H Abo e control limit
L=Below contr l limit

ND= N n Detected
RPD= Relative Percent Difference
NS Not spiked
NA Not pplicabl

DF=Diluti n Factor

K m E viro m tal Servi -OVL

V olat le Quality Control Summary

Workgroup #	WG61095	**Run Date**	7 16/99	**SMPL N m**	07 126-08	**LCS DF**	1
Method	8260B	**Instrument ID**	HPMS9	**SMPL FLNM**	9M4148 D	**SMPL DF**	10
Matrix	WATER	**BLK FLNM**	9M4143 D	**MS FLNM**	9M4149 D	**MS DF**	10
Units	ug/L	**LCS FLNM**	9M4144 D	**MSD FLNM**	9M4150 D	**MSD DF**	10

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	Blank	LCS	LCS Spik L l	Sampl	MS	MSD	MS Spike Level	BLK	LCS	LCS LCL	LCS UCL	Sampl	MS	MSD	MS LCL	MS UCL	MS RPD	RPD UCL	Blank	LCS	Sampl	MS	MSD	RPD
Tar t Analytes	g/l	ug L	ug L	ug/L	ug/L	ug/L	ug/L	ug/L		%	%			%	%	%	%		%						
d hlorodifluo omethan	0 26	ND	2 74	20 0	ND	225 56	221 15	200 0	ND	113 7	10 0	153 0	ND	112 8	110 6	10 0	153 0	2.0	42.0						
h m than	0 52	ND	19 54	20 0	ND	188 39	195 34	200 0	ND	97 7	49 0	129 0	ND	94	97 7	49 0	129 0	3 6	30 0						
vinyl hl de	0 30	ND	1 87	0 0	ND	11 80	216 22	200 0	ND	109 4	57 0	135 0	ND	105 9	108 1	57 0	135 0	2 1	30 0						
b omomethane	0 68	ND	24 0	20 0	ND	20 39	212 94	200 0	ND	120 1	58 0	140 0	ND	110 2	106 5	58 0	140 0	3 4	39 0						
hl oethan	0 44	ND	0 03	20 0	ND	192 18	199 53	200 0	ND	100 2	69 0	126 0	ND	96 1	99 8	69 0	126 0	3 8	27 0						
tr hl ofl rom than	0 32	ND	20 75	0 0	ND	09 64	203 57	200 0	ND	103 8	67 0	152 0	ND	104 8	101 8	67 0	152 0	2 9	22 0						
isop n	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
l un	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
l tr chl ro l trifluo oethan	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
aceton	4 26	ND	16 74	0 0	ND	169 40	188 41	200 0	ND	83 7	40 0	142 0	ND	84 7	94	40 0	142 0	10 6	40 0						
l di hl oeth	0 31	ND	19 4	20 0	ND	11 61	19 85	00 0	ND	9 1	81 0	130 0	ND	105 8	109 9	81 0	130 0	3 8	18 0						
lim thyl ulfid	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
odomethan	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
meth len hl ride	0 74	ND	0 21	0 0	ND	04 80	204 02	200 0	ND	101	76 0	1 5 0	ND	102 4	102 0	76 0	125 0	0 4	19 0						
arbon disulfide	0 3	ND	1 88	0 0	ND	17 39	222 34	00 0	ND	109 4	70 0	138 0	ND	108 7	111 2	70 0	138 0	2 3	20 0						
ylonitril	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
m thyl t rt butyl th r	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
trans l -di l l oth n	0 22	ND	0 99	20 0	ND	10 73	215 64	00 0	ND	105 0	86 0	135 0	ND	105 4	107 8	86 0	135 0	2 3	16 0						
hexan	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
l l acetate	1 00	ND	6 79	0 0	ND	283 85	301 05	00 0	ND	134 0	10 0	136 0	ND	141 9	150 5	10 0	136 0	5 9	66 0				H	H	
l l d hl roethan	0 3	ND	1 10	20 0	14 1	2 0 99	218 70	200 0	ND	105 5	84 0	127 0	14 1	103 4	102 3	84 0	127 0	1 0	15 0						
butan	2 00	ND	16 05	0 0	ND	169 5	186 44	200 0	ND	80 3	61 0	137 0	ND	84 6	93 2	61 0	137 0	9 7	30 0						
d hlo opr pan	0 6	ND	21 33	0 0	ND	200 28	195 48	200 0	ND	106 7	9 0	130 0	ND	100 1	97 7	79 0	130 0	2 4	17 0						
s l d hl roeth n	0 24	ND	0 85	20 0	92 3	319 76	317 27	200 0	ND	104 3	82 0	121 0	92 7	113 5	112 3	82 0	121 0	0 8	15 0						
hlo oform	0 1	ND	1 8	20 0	ND	218 56	215 13	200 0	ND	106 4	85 0	121 0	ND	109 3	107 6	85 0	1 1 0	1 6	15 0						
b omochlo methan	0 21	ND	21 32	0 0	ND	18 94	18 57	00 0	ND	106 6	85 0	1 1 0	ND	109 5	109 3	85 0	121 0	0 2	15 0						
l l l-tri hlo oethane	0 30	ND	1 79	20 0	3 55	435 54	427 83	200 0	ND	109 0	78 0	1 7 0	37 6	99 0	95 1	78 0	127 0	1 8	17 0						
y l h xane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
l d chloropr pen	0 29	ND	61	20 0	ND	7 23	3 65	00 0	ND	113 1	91 0	133 0	ND	113 6	111 8	91 0	133 0	1 6	15 0						
arb n t trachl ride	0 50	ND	22 93	0 0	ND	34 7	226 42	200 0	ND	114 7	70 0	130 0	ND	117 4	113 2	70 0	130 0	3 6	20 0						
d hlo ro than	0 17	ND	0 64	20 0	ND	18.21	12 37	200 0	ND	103	78 0	1 8 0	ND	109 1	106 2	78 0	128 0	2 7	17 0						
be zer	0	ND	21 6	0 0	ND	220 43	16 8	200 0	ND	108 1	87 0	118 0	ND	110 2	108 4	87 0	118 0	1 6	15 0						
tri hl roeth	0 30	ND	0 88	0	1983 33	1988 48	1940 4	200 0	ND	104 4	83 0	1 3 0	1983 3	6	NA	83 0	123 0	NA	15 0				I		
l hl p pan	0 0	ND	0 05	20 0	ND	08 96	06 36	00 0	ND	10 3	81 0	121 0	ND	104 5	103 2	81 0	121 0	1 3	15 0						
l hlo thar	0 4	ND	1 35	0 0	ND	80	18 63	00 0	ND	106 8	81 0	1 6 0	ND	111 4	109 3	81 0	1 6 0	1 9	16 0						
d b n o n than	0 5	ND	0 7	20 0	ND	224 0	221 11	200 0	ND	103 9	83 0	122 0	ND	11 0	110 6	83 0	122 0	1 3	15 0						
hl ethylvinyl ether	0 79	ND	1 28	0 0	ND	76 19	58 47	200 0	ND	106 4	45 0	154 0	ND	38 1	29	45 0	154 0	26 3	46 0				I	I	
4 m thyl 2 pe tanon	1 27	ND	21 16	20 0	ND	236 47	43 91	00 0	ND	105 8	66 0	132 0	ND	118 2	122 0	66 0	132 0	3 1	33 0						
s 1 3 di hlo opropen	0 15	ND	1 94	20 0	ND	224 49	220 04	200 0	ND	109 7	82 0	124 0	ND	112 2	110 0	82 0	124 0	2 0	15 0						
dim thyl disulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
toluen	0 1	ND	1 61	20 0	ND	217 99	215 56	200 0	ND	108 1	84 0	123 0	ND	109 0	107 8	84 0	123 0	1 1	15 0						
thyl m thacryl te	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tr s 1 3 di hl r p op	0 33	ND	0 38	20	ND	07 93	207 83	200 0	ND	101 9	80 0	124 0	ND	104 0	103 9	80 0	1 4 0	0 0	15 0						
1 1 tri hlo-oethan	0 45	ND	1 04	20 0	ND	225 3	223 67	200 0	ND	105 2	78 0	122 0	ND	11 6	111 8	78 0	122 0	0 7	15 0						

K m En i nm tal Serv es -OVL
V l t l Quality C ntrol Summary

Workgroup #	WG61095	**Run Date**	7/16/99	SMPL Num	07 126-08	**LCS DF**	1
Method	8260B	**Instrument ID**	HPMS9	SMPL FLNM	9M4148 D	**SMPL DF**	10
Matrix	WATER	**BLK FLNM**	9M4143 D	MS FLNM	9M4149 D	**MS DF**	10
Units	ug/L	**LCS FLNM**	9M4144 D	MSD FLNM	9M4150 D	**MSD DF**	10

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	BLK	LCS	LCS Spik Le el	SMPL	MS	MSD	MS Spik Level	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MSD UCL	MS RPD	RPD UCL	Blank	LCS	Sampl	MS	MSD	RPD
Target Analyt	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		%			%		%										
~ hexan ne	1 39	ND	17 08	20 0	ND	200.76	207 39	200 0	ND	85 4	57 0	130 0	ND	100 4	103 7	57 0	130 0	3 2	31 0						
1 3 d hl rop pane	0 33	ND	0 09	0 0	ND	212 34	21 22	200 0	ND	100 5	78 0	123 0	ND	106	106 1	78 0	123 0	0 1	15 0						
t trachloroethen	0 8	ND	0 82	20 0	ND	207 79	205 67	200 0	ND	104 1	83 0	124 0	ND	103 9	102 8	83 0	124 0	1 0	15 0						
4 b m hl m than	0 45	ND	1 65	20 0	ND	227 99	227 42	200 0	ND	108 3	78 0	123 0	ND	114 0	113 7	78 0	123 0	0 3	18 0						
l dib omoethai	0 33	ND	19 63	0 0	ND	09 25	13 06	200 0	ND	98 2	79 0	123 0	ND	104 6	106 5	79 0	123 0	1 8	15 0						
l hlo l xan	NTC	ND	0 00	20 0	ND	ND	ND	200 0	ND	NA	60 0	140 0	ND	NA	NA	60 0	140 0	NA	NA						
hl roo nzene	0 8	ND	1 45	0 0	ND	218 4	14 05	200 0	ND	10 3	70 0	130 0	ND	109 1	107 0	87 0	118 0	1 9	15 0						
1 1 t tracl loroethane	0 61	ND	22 49	0 0	ND	231 23	224 49	00 0	ND	112 5	82 0	1 3 0	ND	115 6	112 2	82 0	123 0	3 0	15 0						
th lbenzen	0 27	ND	1 6	20 0	ND	219 69	15 60	00 0	ND	108 8	85 0	1 1 0	ND	109 8	107 8	85 0	121 0	1 9	15 0						
m+p- yl n	0 40	ND	44 78	40 0	ND	454 39	447 04	400 0	ND	112 0	86 0	121 0	ND	113 6	111 8	86 0	121 0	1 6	15 0						
o-xyl ne	0	ND	1 70	0 0	ND	19 79	15 65	200 0	ND	108 5	85 0	121 0	ND	109.9	107 8	85 0	1 1 0	1 9	15 0						
ty n	0 28	ND	22 66	20 0	ND	23 45	226 59	00 0	ND	113 3	84 0	1 0 0	ND	116 2	113 3	84 0	120 0	6	15 0						
om t rm	0 53	ND	1 58	0 0	ND	41 04	237 55	00 0	ND	107 9	73 0	124 0	ND	1 0.5	118 8	73 0	1 4 0	1 5	2_0						
sopr pylbenze	27	ND	22 46	0 0	ND	27 41	__ 95	60 0	ND	112 3	81 0	124 0	ND	113 7	111 5	81 0	124 0	2 0	15 0						
1 1 tetra hlo oethane	0 67	ND	19 39	0 0	ND	16 00	216 5	200 0	ND	97 0	72 0	13 0	ND	108 0	108 3	72 0	132 0	0 2	23 0						
3 tr hlo p opan	0 9	ND	19 78	0 0	ND	211 91	214 33	200 0	ND	98 9	72 0	132 0	ND	106 0	107	72 0	132 0	1 1	21 0						
trans 1 4-d hlo buten	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	60 0	140 0	ND	NS	NS	60 0	140 0	NA	20 0						
l pyl benzene	0 19	ND	1 83	20 0	ND	214 50	12 76	200 0	ND	109	82 0	1 5 0	ND	107 3	106 4	82 0	125 0	0 8	15 0						
b obenzen	0 3	ND	0 11	0 0	ND	02 38	201 _8	00 0	ND	100 6	84 0	120 0	ND	101 2	100 6	84 0	120 0	0 5	15 0						
1 trimethylbenz n	0 22	ND	21 33	0 0	ND	210 51	09 28	200 0	ND	106 7	8 0	125 0	ND	105 3	104 6	8 0	1 5 0	0 6	15 0						
-chlorot lu n	0 38	ND	0 7	0 0	ND	205 41	201 65	200 0	ND	103 6	80 0	128 0	ND	102 7	100 8	80 0	128 0	1 8	15 0						
4 hlo tolu	0 30	ND	20 80	0 0	ND	204 38	204 04	00 0	ND	104 0	80 0	127 0	ND	102 2	100 0	80 0	127 0	0 2	15 0						
alpha m thyl tyren	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
t rt b tyl benzene	0 27	ND	21 71	20 0	ND	10 07	210 49	200 0	ND	108 6	80 0	1 1 0	ND	105 0	105 2	80 0	121 0	0 2	15 0						
4 trimethylbenzen	0 27	ND	0 63	0 0	ND	04 58	01 41	00 0	ND	103	84 0	1 5 0	ND	10 3	100 7	84 0	125 0	1 6	15 0						
butyl-be ze	0 23	ND	0 62	20 0	ND	02 98	02 08	200 0	ND	103 1	80 0	1 5 0	ND	101 5	101 0	80 0	1 5 0	0 4	15 0						
p-is p opyl toluen	0 20	ND	0 9	0 0	ND	198 22	196 _8	00 0	ND	101 5	79 0	133 0	ND	99 1	98 1	79 0	133 0	1 0	15 0						
1 3 d hlorobenzen	0 32	ND	20 36	20 0	ND	203 91	201 47	200 0	ND	101 8	0 0	130 0	ND	102 0	100 7	70 0	130 0	1	15 0						
1 4 dichl robenzene	0 7	ND	0 24	20 0	ND	204 37	201 31	200 0	ND	101 2	70 0	130 0	ND	102 2	100	70 0	130 0	1 5	15 0						
n b tyl-benzen	0 33	ND	0 39	20 0	ND	200 _3	197 64	200 0	ND	102 0	78 0	1 8 0	ND	100 1	98 8	78 0	128 0	1 3	17 0						
1 -di hlorobenzen	0 30	ND	20 54	20 0	ND	210 64	08 29	00 0	ND	102 7	70 0	130 0	ND	105 3	104 1	70 0	130 0	1 1	15 0						
1 u b ns 3 hl op pan	1 0	ND	17 64	0 0	ND	06 89	214 75	200 0	ND	88	69 0	1 5 0	ND	103 4	107 4	69 0	125 0	3 7	26 0						
1 4 tri hl ob ze	0 4	ND	1 0	0 0	ND	196 55	197 30	200 0	ND	95 0	74 0	1 4 0	ND	98 3	98 7	74 0	124 0	0 4	0 0						
h hlo b tad	0 45	0 86	15 04	0 0	ND	147 05	149 08	200 0	0 9	5 2	67 0	131 0	ND	73 5	74 5	67 0	131 0	1 4	6 0						
naphthal ne	0 1	ND	19 52	_0 0	ND	2 4 70	7 47	200 0	ND	97 6	69 0	126 0	ND	112 4	113 7	69 0	126 0	1 2	4 0						
1 3 tri hlor benzene	0 31	ND	18 41	0 0	ND	206 75	207 70	200 0	ND	92 1	60 0	137 0	ND	103 1	103 9	60 0	137 0	0 7	33 0						
Surrogat																									
dibromofl om thane		24 91	5 49	25 0	25 85	25 84	25 80	25 0	99 6	102 0	86	118	103 4	103 4	103 2										
2 d hlor ethane d4		24 08	25 11	25 0	26 52	26 46	26 01	25 0	98 7	100 4	80	120	106 1	105 8	104 0										
t l d8		25 99	25 74	25 0	25 93	5 61	25 64	25 0	104 0	103 0	88	110	103 7	102 4	102 6										
p flu ob z 1		5 41	4 22	5 0	25 1	23 90	4 14	5 0	101 6	96 9	86	115	102 8	95 6	96 6										

N t and Definit ns

MDL M thod Detecti n Limit
BLK Meth d Blank
LCS Laborat ry Control Sampl
MS MSD Matrix Spike / Matrix Spike Duph t

LCL= Low Control Limit
UCL= Upper Control Limit
H=Abov control limit
L=Below co trol limit

ND= N n Detected
RPD= Relatv P rcent Difference
NS=Not spiked
NA=Not appli abl

DF Dilutn Fa tor

K E ron t l Services -OVL
Volat le Quality Control Summary

Workg p #	WGo1175	Ru Date	7/19 99	SMPL Num	07 30 -01	LCS DF	1
Method	S 60B	I strum t ID	HPMS8	SMPL FLNM	8M9723 D	SMPL DF	1
Matrix	WATER	BLK FLNM	8M9721 D	MS FLNM	8M9724 D	MS DF	1
Units	g/L	LCS FLNM	8M97 0 D	MSD FLNM	8M9725 D	MSD DF	1

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDI	Blank	LCS	LCS Spike Le el	Sample	MS	MSD	MS Sp ke Level	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MS UCL	MS RPD	RPD UCL	Blank	LCS	Sampl	MS	MSD	RPD
T g t A lyte	g/L	g/L	ug/L	g/L	ug/L	g/L	ug/L	g/L		%	%	%	%	%	%	%	%		%						
dichlo od fluo methane	0..6	ND	18 93	20 0	ND	17 83	18 93	20 0	ND	94 7	10 0	153 0	ND	89.2	94 7	10 0	153 0	6 0	42 0						
hl m tha	0 52	ND	17 74	20 0	ND	15 67	16 84	20 0	ND	88 7	49 0	129 0	ND	78 4	84 2	49 0	129 0	7 2	30 0						
yl hlorid	0 30	ND	0 13	0 0	ND	17 55	18 67	0 0	ND	100 7	57 0	135 0	ND	87 8	93 4	57 0	135 0	6 2	30 0						
b m methane	0 68	ND	17 54	20 0	ND	15 33	16 70	20 0	ND	87 7	58 0	140 0	ND	76 7	83 5	58 0	140 0	8 6	39 0						
chlo ethane	0.44	ND	19 81	0 0	ND	16 34	17 46	20 0	ND	99 1	69 0	1 6 0	ND	81 7	87 3	69 0	126 0	6 6	27 0						
tri hl fl m th ne	0 32	ND	2 36	20 0	ND	18 59	19 80	20 0	ND	111 8	67 0	152 0	ND	93 0	99 0	67 0	152 0	6 3	22 0						
sop en	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
ac lein	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1,2 tr hl 1 2 trifl ro thane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
et	4 26	ND	21 69	20 0	ND	24 45	25 62	20 0	ND	108 5	40 0	142 0	ND	122 3	128 1	40 0	142 0	4 7	40 0						
1 1 d hl roethene	0 31	ND	19 63	20 0	ND	15 75	16 63	20 0	ND	98.2	81 0	130 0	ND	78 8	83 2	81 0	130 0	5 4	18 0				L		
dim th l sulfid	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
od m than	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
methyl hl ride	0 74	ND	0 91	20 0	ND	19 53	20 93	20 0	ND	104 6	76 0	125 0	ND	97 7	104 7	76 0	125 0	6 9	19 0						
arbo disulfid	0 3	ND	17 52	0 0	ND	12 17	13 16	0 0	ND	87 6	70 0	138 0	ND	60 9	65 8	70 0	138 0	7 8	20 0				L	L	
ryl tril	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
m thyl tert b tyl ethe	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tr s-1 dichl roeth ne	0 22	ND	0 88	20 0	ND	16 87	18 17	20 0	ND	104 4	86 0	135 0	ND	84 4	90 9	86 0	135 0	7 4	16 0				L		
h	NTC	ND	NS	NS	98	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
yl ac tate	1 00	ND	30 22	20 0	ND	28 31	28 99	20 0	ND	151 1	10 0	136 0	ND	142 6	145 0	10 0	136 0	1 7	66 0		H		H	H	
1 d hloroethane	0 23	ND	0 19	0 0	ND	16 73	18 13	20 0	ND	101 0	84 0	127 0	ND	83 7	90 7	84 0	1 7 0	8 0	15 0				L		
butano	00	ND	3 62	20 0	ND	6 61	27 41	20 0	ND	118 1	61 0	137 0	ND	133 1	137 1	61 0	137 0	3 0	30 0					H	
dichl p pa	0.26	ND	2 19	20 0	ND	17 80	18 76	20 0	ND	111 0	79 0	130 0	ND	89 0	93 8	79 0	130 0	5 3	17 0						
1 d hl th	0 4	ND	19 34	0 0	ND	16 55	17 91	20 0	ND	96 7	8 0	121 0	ND	82 8	89 6	82 0	121 0	7 9	15 0						
cnlorotorm	0.21	ND	0 99	0 0	0 4	18 20	19 55	20 0	ND	105 0	85 0	121 0	0.2	89 8	96 6	85 0	121 0	7 2	15 0						
b mochl methane	0 21	ND	0 71	20 0	ND	20 17	21 14	20 0	ND	103 6	85 0	121 0	ND	100 9	105 7	85 0	121 0	4 7	15 0						
1 1 tri hlo than	0 30	ND	2 0	0 0	ND	17 83	19 17	20 0	ND	111 0	78 0	127 0	ND	89 2	95 9	78 0	127 0	7 2	17 0						
cy lohe ane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 1-d hl rop opene	0 29	ND	68	0 0	ND	17 81	19 2	20 0	ND	113 4	91 0	133 0	ND	89 1	96 1	91 0	133 0	7 6	15 0				L		
b tetr hl rid	0 30	ND	22 40	0 0	ND	18 39	19 82	20 0	ND	11 0	70 0	130 0	ND	92 0	99 1	70 0	130 0	7 5	20 0						
1 -dichl oethan	0 17	ND	1 75	20 0	ND	21 47	2.54	20 0	ND	108 8	78 0	1 8 0	ND	107 4	112 7	78 0	128 0	4 9	17 0						
be ne	0 20	ND	19 21	20 0	ND	15 95	17 29	20 0	ND	96 1	87 0	118 0	ND	79 8	86 5	87 0	118 0	8 1	15 0				L	L	
tri hloroethene	0 30	0 36	20 3	0 0	ND	16 77	17 92	20 0	0 4	101 6	83 0	123 0	ND	83 9	89 6	83 0	123 0	6 6	15 0						
1 -d hl p pan	0 20	ND	18 79	20 0	ND	16 31	17 80	20 0	ND	94 0	81 0	121 0	ND	81 6	89 0	81 0	121 0	8 7	15 0						
b nod chlo om th n	0 24	ND	21 21	0 0	ND	19 40	0 92	20 0	ND	106 1	81 0	126 0	ND	97 0	104 6	81 0	126 0	7 5	16 0						
d b om m thane	0 25	ND	21 06	20 0	ND	21 77	22 95	20 0	ND	105 3	83 0	122 0	ND	108 9	114 8	83 0	122 0	5 3	15 0						
hloroethyl myl ethe	0 79	ND	13 44	0 0	ND	5.51	7 45	20 0	ND	67.2	45 0	154 0	ND	7 6	37 3	45 0	154 0	9.9	46 0				L	L	
4 th 1 2 pentano	1 27	ND	22 19	20 0	ND	23 33	3 97	20 0	ND	111 0	66 0	132 0	ND	116 7	119 9	66 0	132 0	2 7	33 0						
1 3 d hlo p p	0 15	ND	20 48	0 0	ND	18 87	20 10	20 0	ND	102 4	82 0	124 0	ND	94.4	100 5	82 0	124 0	6 3	15 0						
d m th l d s lfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tolue	0 1	ND	20 25	20 0	ND	15 96	17.39	20 0	ND	101 3	84 0	123 0	ND	79 8	87 0	84.0	123 0	8 6	15 0				L		
thyl m thacrylate	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tr ns 1 3-dichl oprop	0 33	ND	0 74	0 0	ND	19 40	20 86	20 0	ND	103 7	80 0	124 0	ND	97 0	104 3	80 0	124 0	7.3	15 0						
1 1 tri hlo oethane	0 45	ND	0 68	20 0	ND	19 74	21 18	20 0	ND	103 4	78 0	122 0	ND	98 7	105 9	78 0	122 0	7 0	15 0						

K E me t l Serv ces -OVL
Volat le Q ality Control Summary

W rkgroup #	WG61175	R D t	7/19 99	SMPL Num	07 302-01	LCS DF	1
Method	8260B	Instrument ID	HPMS8	SMPL FLNM	8M9723 D	SMPL DF	1
M trix	WATER	BLK FLNM	8M9721 D	MS FLNM	8M9724 D	MS DF	1
U ts	g/L	LCS FLNM	8M9720 D	MSD FLNM	8M9725 D	MSD DF	1

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	BLK	LCS	LCS Sp ke Le l	SMPL	MS	MSD	MS Sp ke Level	BLK	LCS	LCS LCL	LCS UCL	Sampl	MS	MSD	MS LCL	MSD UCL	MS RPD	RPD UCL	Blank	LCS	Sampl	MS	MSD	RPD
T t Analytes	g/l	g/L	g L	g L	ug L	g/L	ug/L	ug/L		%	%	%	%	%	%	%	%	%	%						
be an ne	1 39	ND	4 73	0 0	ND	25 63	6 18	20 0	ND	123 7	57 0	130 0	ND	128 2	130 9	57 0	130 0	2 1	31 0					H	
1 3-d hl ropr pane	0 33	ND	20 45	20 0	ND	19 49	20 70	20 0	ND	102 3	78 0	123 0	ND	97 5	103 5	78 0	1 3 0	6 0	15 0						
tra hl roethene	0 28	ND	0.31	0 0	ND	15 49	16 82	20 0	ND	101 6	83 0	124 0	ND	77 5	84 1	83 0	124 0	8 2	15 0				L		
d b m hl methan	0 45	ND	21 80	0 0	ND	0 95	22 38	0 0	ND	109 0	78 0	123 0	ND	104 8	111 9	78 0	123 0	6 6	18 0						
1 -d b o tha	0.33	ND	21 10	20 0	ND	1 07	22 35	20 0	ND	105 5	79 0	123 0	ND	105 4	111 8	79 0	123 0	5 9	15 0						
1 hl oh ane	NTC	ND	NS	20 0	ND	NS	NS	20 0	ND	NA	60 0	140 0	ND	NA	NA	60 0	140 0	NA	NA						
hl b ene	0 8	ND	0 37	20 0	ND	17 03	18 69	20 0	ND	101 9	70 0	130 0	ND	85	93 5	87 0	118 0	9.3	15 0				L		
1 1 1 t trachloroeth e	0 61	ND	21 99	0 0	ND	19 26	20 90	20 0	ND	110 0	82 0	123 0	ND	96 3	104 5	82 0	123 0	8 2	15 0						
thylben ene	0 27	ND	0 31	0 0	ND	16 24	17 61	20 0	ND	101 6	85 0	1 1 0	ND	81 2	88 1	85 0	121 0	8 1	15 0				L		
m p yle	0 40	ND	40 41	40 0	ND	32 75	35 50	40 0	ND	101 0	86 0	121 0	ND	81 9	88 8	86 0	121 0	8 1	15 0				L		
o- ylene	0	ND	0 03	0 0	ND	16 64	17 84	20 0	ND	100 2	85 0	121 0	ND	83.2	89 2	85 0	121 0	7 0	15 0				L		
sty	0 28	ND	0 41	0 0	ND	17 31	18 70	20 0	ND	102 1	84 0	120 0	ND	86 6	93 5	84 0	120 0	7 7	15 0						
br moform	0 53	ND	20 1	20 0	ND	0 56	1 82	20 0	ND	101 1	73 0	124 0	ND	102 8	109 1	73 0	124 0	5 9	2 0						
p pylbenzen	0 22	ND	20 20	20 0	ND	15 85	17 25	20 0	ND	101 0	81 0	124 0	ND	79 3	86 3	81 0	124 0	8 5	15 0				L		
1 1 tetra hlo oethane	0 67	ND	1 0	0 0	ND	00	3 25	20 0	ND	106 0	72 0	13 0	ND	110 0	116 3	72.0	132 0	5 5	23 0						
1 3 tri hl p op e	0 92	ND	3 35	20 0	ND	24 48	25 40	20 0	ND	116 8	72 0	132 0	ND	122 4	127 0	72 0	132 0	3 7	21 0						
tran 1 4-dichl o b te	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	60 0	140 0	ND	NS	NS	60 0	140 0	NA	20 0						
p pyl be ne	0 19	0 22	0 90	0 0	ND	16 35	17 91	20 0	0 2	104 5	82 0	125 0	ND	81 8	89 6	82 0	125 0	9 1	15 0				L		
b mobe e	0.37	ND	0 5	0 0	ND	17 75	19 0	20 0	ND	101 3	84 0	120 0	ND	88 8	96 0	84 0	120 0	7 8	15 0						
3 5 trim thylbe z	0	0 4	0 80	20 0	ND	16 80	18 4	20 0	0 2	104 0	82 0	125 0	ND	84 0	92 1	82 0	125 0	9 2	15 0						
hl tol	0.38	ND	20 73	20 0	ND	15 9	17 4	0 0	ND	103 7	80 0	1 8 0	ND	79 6	87 1	80 0	128 0	9 0	15 0				L		
4-chl rot lu ne	0 30	ND	0 23	0 0	ND	17 69	19 18	20 0	ND	101 2	80 0	127 0	ND	88 5	95 9	80 0	127 0	8 1	15 0						
lph n thyl sty n	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
t rt b tyl be e	0 27	0 38	18 38	20 0	ND	14 87	16 34	20 0	0 4	91 9	80 0	121 0	ND	74 4	81 7	80 0	121 0	9 4	15 0				L		
1 4 trimethylbenzene	0 27	0 30	0 60	20 0	ND	17 02	18 59	20 0	0 3	103 0	84 0	125 0	ND	85 1	93 0	84 0	1 5 0	8 8	15 0						
b ty l b e	0 23	0 5	19 38	20 0	ND	14 86	16 62	20 0	0 6	96 9	80 0	125 0	ND	74 3	83 1	80 0	1 5 0	11 2	15 0				L		
p sop opyl tol ne	0 0	0 51	19 15	20 0	ND	15 10	16 81	20 0	0 5	95 8	79 0	133 0	ND	75 5	84 1	79 0	133 0	10 7	15 0				L		
1 3 d hl obe e	0 3	ND	19 95	20 0	ND	17 03	18 6	20 0	ND	99 9	70 0	130 0	ND	85 2	93 1	70 0	130 0	8 9	15 0						
1 4 d hl ob nzene	0 27	ND	0 06	0 0	ND	17 41	18 92	20 0	ND	100 3	70 0	130 0	ND	87 1	94 6	70 0	130 0	8 3	15 0						
b tyl be e e	0 33	0 68	19 5	20 0	ND	14 85	16 68	20 0	0 7	97 6	78 0	128 0	ND	74 3	83 4	78 0	128 0	11 6	17 0				L		
1 d hl obenzene	0 30	ND	0 5	0 0	ND	18 58	0 06	20 0	ND	102 8	70 0	130 0	ND	92 9	100 3	70 0	130 0	7 7	15 0						
1 d b m 3 hl p opan	1 70	ND	20 19	20 0	ND	23 13	23 86	20 0	ND	101 0	69 0	125 0	ND	115 7	119 3	69 0	125 0	3 1	26 0						
4 r hl obenzene	0 24	0 55	18 69	0 0	ND	17 21	18 74	20 0	0 6	93 5	74 0	1 4 0	ND	86 1	93 7	74 0	124 0	8 5	0 0						
h hlo ob tad e	0 45	0 89	18 5	20 0	0 52	13 98	15 74	20 0	0 9	93 8	67 0	131 0	0 5	67 3	76 1	67 0	131 0	11 8	26 0						
aphthale e	0 51	ND	18 99	0 0	ND	20 3	21 29	20 0	ND	95 0	69 0	126 0	ND	101 2	106 5	69 0	1 6 0	5 1	24 0						
1 3 tri hl obe e	0 31	0 4	18 6	0 0	ND	17 94	19 58	20 0	0 5	93 1	60 0	137 0	ND	89 7	97 9	60 0	137 0	8 7	33 0						
S rr g tes																									
d b m fl methane		7 18	7 05	5 0	8 11	8 0	28 23	25 0	108 7	108 2	86	118	112 4	11 8	11 9										
1 d hlo than d4		9 04	28 70	25 0	29 91	30 56	29 84	25 0	116 2	114 8	80	1 0	119 6	122 2	119 4								H		
t l ene d8		6 80	6 97	25 0	26 50	5 66	25 98	25 0	107 2	107 9	88	110	106 0	102 6	103 9										
p b om flu r be ne		28 00	8 34	25 0	28 45	27 87	27 68	25 0	112 0	113 4	86	115	113 8	111 5	110 7										

N t and D fi ti s

MDL Method Detecti n Li it
BLK M th d Blank
LCS= Lab t ry C trol San pl
MS MSD Matri Sp k / Matrix Sp k D pl cat

LCL= Lo v r Control Limit
UCL Upper C tr l Lim t
H=Abo e co trol l m t
L=Bel w contr l l mit

ND Non Detected
RPD= Relati e Percent D fference
NS Not spiked
NA=N t applicable

DF Dilution Facto

K m E i me t l Services -OVL
V olat le Q l ty C ntrol Summary

W rkgr p #	WG61175	R Date	7/19 99	SMPL N m	07 30 01	LCS DF	1
M thod	8 60B	I strum t ID	HPMS8	SMPL FLNM	8M9723 D	SMPL DF	1
Matrix	WATER	BLK FLNM	8M9721 D	MS FLNM	8M9724 D	MS DF	1
Un ts	g/L	LCS FLNM	8M9720 D	MSD FLNM	8M9725 D	MSD DF	1

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	Bla k	LCS	LCS Sp ke Le el	S pl	MS	MSD	MS Sp k L l	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MS UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPD
Ta t A alyt s	g l	g L	g L	g/L	g/L	g/L	ug/L	ug/L				/	%	/	/		%	/	%						
dichlo d flu m than	0..6	ND	18 93	0 0	ND	17 83	18 93	20 0	ND	94 7	10 0	153 0	ND	89.2	94 7	10 0	153 0	6 0	42 0						
hl m than	0 5	ND	17 74	20 0	ND	15 67	16 84	0 0	ND	88 7	49 0	129 0	ND	78 4	84 2	49 0	1 9 0	7 2	30 0						
y l hl rid	0 30	ND	20 13	20 0	ND	17 55	18 67	0 0	ND	100 7	57 0	135 0	ND	87 8	93 4	57 0	135 0	6 ?	30 0						
b mom th	0 68	ND	17 54	0 0	ND	15 33	16 70	20 0	ND	87 7	58 0	140 0	ND	76 7	83 5	58 0	140 0	8 6	39 0						
l l ethan	0 44	ND	19 81	0 0	ND	16 34	17 46	20 0	ND	99 1	69 0	126 0	ND	81 7	87 3	69 0	126 0	6 6	27 0						
m hl ofl methane	0 32	ND	2 36	20 0	ND	18 59	19 80	0 0	ND	111 8	67 0	15 0	ND	93 0	99 0	67 0	152 0	6 3	22 0						
isopren	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
a ole n	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
l l_ r hl l 2 trifl oethan	NTC	ND	N	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
ac t e	4 26	ND	21 69	20 0	ND	4 45	5 62	20 0	ND	108 5	40 0	142 0	ND	122 3	128 1	40 0	142 0	4 7	40 0						
l l d hl roethene	0 31	ND	19 63	20 0	ND	15 75	16 63	0 0	ND	98.2	81 0	130 0	ND	78 8	83 2	81 0	130 0	5 4	18 0				L		
d m thyl lnde	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
od methane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
m thyl e hl d	0 74	ND	0 91	20 0	ND	19 53	0 93	20 0	ND	104 6	76 0	1 5 0	ND	97 7	104 7	76 0	1 5 0	6 9	19 0						
a bo disulfid	0 23	ND	17 5?	20 0	ND	12 17	13 16	20 0	ND	87 6	70 0	138 0	ND	60 9	65 8	70 0	138 0	7 8	20 0				L	L	
ryl n trile	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
thyl rt butyl ethe	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tr l d hl th	0 2	ND	0 88	20 0	ND	16 87	18 17	20 0	ND	104 4	86 0	135 0	ND	84 4	90 9	86 0	135 0	7 4	16 0				L		
h	NTC	ND	NS	NS	5 98	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
y l tat	1 00	ND	30 22	20 0	ND	8 51	28 99	20 0	ND	151 1	10 0	136 0	ND	142 6	145 0	10 0	136 0	1 7	66 0		H		H	H	
l l di hl roethan	0 23	ND	0 19	0 0	ND	16 73	18 13	20 0	ND	101 0	84 0	1 7 0	ND	83 7	90 7	84 0	127 0	8 0	15 0				L		
b tan ne	2 00	ND	23 6	20 0	ND	26 61	7 41	20 0	ND	118 1	61 0	137 0	ND	133 1	137 1	61 0	137 0	3 0	30 0					H	
di hl p p	0 6	ND	2 19	20 0	ND	17 80	18 76	20 0	ND	111 0	79 0	130 0	ND	89 0	93 8	79 0	130 0	5 3	17 0						
s l di hl oeth	0 24	ND	19 34	20 0	ND	16 55	17 91	20 0	ND	96 7	82 0	121 0	ND	82 8	89 6	82 0	121 0	7 9	15 0						
hl of rm	0 1	ND	20 99	20 0	0 24	18 20	19 55	0 0	ND	105 0	85 0	121 0	0.2	89 8	96 6	85 0	121 0	7 2	15 0						
b o hl m than	0 21	ND	20 71	20 0	ND	20 17	21 14	20 0	ND	103 6	85 0	1 1 0	ND	100 9	105 7	85 0	121 0	4 7	15 0						
l l l tri hlo than	0 30	ND	2 20	20 0	ND	17 83	19 17	0 0	ND	111 0	78 0	127 0	ND	89 2	95 9	78 0	1 7 0	7 2	17 0						
y l h	NTC	ND	Ns	Ns	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
l d hl rop open	0 29	ND	68	0 0	ND	17 81	19 22	20 0	ND	113 4	91 0	133 0	ND	89 1	96 1	91 0	133 0	7 6	15 0				L		
c bo t tra hloride	0.30	ND	? 40	20 0	ND	18 39	19 82	20 0	ND	11 0	70 0	130 0	ND	9 0	99 1	70 0	130 0	7 5	20 0						
! di hl oethan	0 17	ND	1 75	0 0	ND	1 47	22 54	20 0	ND	108 8	78 0	128 0	ND	107 4	112 7	78 0	128.0	4 9	17 0						
b	0 20	ND	19 1	20 0	ND	15 95	17 29	20 0	ND	96 1	87 0	118 0	ND	79 8	86 5	87 0	118 0	8 1	15 0				L	L	
trichl roethen	0 30	0 36	20 32	20 0	ND	16 77	17 9	20 0	0 4	101 6	83 0	1 3 0	ND	83 9	89 6	83 0	123 0	6 6	15 0						
l d hl p p	0 20	ND	18 79	20 0	ND	16 31	17 80	20 0	ND	94 0	81 0	171 0	ND	81 6	89 0	81 0	121 0	8 7	15 0						
b od hlo methane	0 4	ND	1 1	0 0	ND	19 40	20 92	0 0	ND	106 1	81 0	1 6 0	ND	97 0	104 6	81 0	1 6 0	7 5	16 0						
d b m m tha e	0 5	ND	1 06	20 0	ND	1 77	22 95	20 0	ND	105 3	83 0	122 0	ND	108 9	114 8	83 0	122 0	5 3	15 0						
hl oethyl y l th	0 79	ND	13 44	20 0	ND	5 1	7 45	0 0	ND	67_	45 0	154 0	ND	27 6	37 3	45 0	154 0	29 9	46 0				L	L	
4 methyl penta	1 7	ND	? 19	20 0	ND	_3 33	23 97	20 0	ND	111 0	66 0	132 0	ND	116 7	119 9	66 0	132 0	2 7	33 0						
s l 3 d hl p p	0 15	ND	0 48	0 0	ND	18 87	20 10	0 0	ND	102 4	82 0	124 0	ND	94 4	100 5	8 0	124 0	6 3	15 0						
d n thyl d s lfid	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
toluene	0 21	ND	0 5	0 0	ND	15 96	17 39	20 0	ND	101 3	84 0	123 0	ND	79 8	87 0	84 0	123 0	8 6	15 0				L		
thyl m th rylate	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tr l dichl p opene	0 33	ND	0 74	20 0	ND	19 40	0 86	20 0	ND	103 7	80 0	124 0	ND	97 0	104 3	80 0	1 4 0	7 3	15 0						
l l trichlo o tha e	0 45	ND	20 68	20 0	ND	19 74	1 18	20 0	ND	103 4	78 0	122 0	ND	98 7	105 9	78 0	122 0	7 0	15 0						

K m E iro m t l Servi es -OVL
V l tal Q lity Control Summary

Workgroup #	WG61175	R D te	7/19 99	SMPL N m	07 30 -01	LCS DF	1
Method	8260B	I trum t ID	HPMS8	SMPL FLNM	8M97_3 D	SMPL DF	1
M trix	WATER	BLK FLNM	8M9721 D	MS FLNM	8M9724 D	MS DF	1
Units	ug L	LCS FLNM	8M9720 D	MSD FLNM	8M9725 D	MSD DF	1

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
			LCS Sp ke					MS Spik			LCS	LCS				MS	MSD	MS	RPD						
	MDI	BLK	LCS	Le el	SMPI	MS	MSD	Le el	BLK	LCS	LCL	UCL	Sample	MS	MSD	LCL	UCL	RPD	UCL	Blank	LCS	Sample	MS	MSD	RPD
T g t A alyt s	g L	g/L	g L	g/L	g L	g/L	g/L	ug/L	/	/				/	/	/6	/		/						
hexan	1 39	ND	4 73	0 0	ND	25 63	26 18	20 0	ND	123 7	57 0	130 0	ND	1 8 2	130 9	57 0	130 0	2 1	31 0					H	
1 3 d chl p opa e	0 33	ND	0 45	20 0	ND	19 49	20 70	20 0	ND	10? 3	78 0	1 3 0	ND	97 5	103 5	78 0	123 0	6 0	15 0						
1 chl oeth ne	0 8	ND	0 31	0 0	ND	15 49	16 8	0 0	ND	101 6	83 0	124 0	ND	77 5	84 1	83 0	124 0	8 2	15 0				L		
d b ochl m th	0 45	ND	1 80	20 0	ND	20 95	22 38	20 0	ND	109 0	78 0	123 0	ND	104 8	111 9	78 0	123 0	6 6	18 0						
1 -dib n oethan	0.33	ND	1 10	0 0	ND	21 07	22 35	20 0	ND	105 5	79 0	123 0	ND	105 4	111 8	79 0	123 0	5 9	15 0						
1 hl ohe a e	NTC	ND	NS	0 0	ND	NS	NS	0 0	ND	NA	60 0	140 0	ND	NA	NA	60 0	140 0	NA	NA						
hl obe ze e	0 8	ND	0 37	0 0	ND	17 03	18 69	0 0	ND	101 9	70 0	130 0	ND	85 2	93 5	87 0	118 0	9 3	15 0				L		
1 1 1 t tra hl ethan	0 61	ND	21 99	20 0	ND	19 26	20 90	20 0	ND	110 0	82 0	123 0	ND	96 3	104 5	82 0	123 0	8 2	15 0						
thylbe ene	0 7	ND	0 31	20 0	ND	16 24	17 61	20 0	ND	101 6	85 0	1 1 0	ND	81 2	88 1	85 0	1 1 0	8 1	15 0				L		
p- y l e	0 40	ND	40 41	40 0	ND	3 75	35 50	40 0	ND	101 0	86 0	121 0	ND	81 9	88 8	86 0	121 0	8 1	15 0				L		
y le	0 2	ND	0 03	0 0	ND	16 64	17 84	0 0	ND	100 2	85 0	121 0	ND	83	89	85 0	1 1 0	7 0	15 0				L		
sty e e	0 28	ND	0 41	20 0	ND	17.31	18 70	20 0	ND	102 1	84 0	120 0	ND	86 6	93 5	84 0	120 0	7 7	15 0						
b omoform	0 53	ND	0 21	0 0	ND	0 56	21 8	0 0	ND	101 1	73 0	1 4 0	ND	102.8	109 1	73 0	124 0	5 9	22 0						
p pylb	0	ND	0 20	0 0	ND	15 85	17 25	0 0	ND	101 0	81 0	124 0	ND	79 3	86 3	81 0	124 0	8 5	15 0				L		
1 1 tra hloroethane	0 7	ND	1 0	0 0	ND	_2.00	_3 _5	0 0	ND	106 0	72 0	132 0	ND	110 0	116 3	72.0	132 0	5 5	23 0						
1 3 tri hl p p	0 92	ND	3 35	20 0	ND	24 48	25 40	20 0	ND	116 8	72 0	13 0	ND	1 4	127 0	72 0	132 0	3 7	21 0						
tra 1 -d hloro b ten	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	60 0	140 0	ND	NS	NS	60 0	140 0	NA	20 0						
p pyl benze	0 19	0 22	0 90	20 0	ND	16 35	17 91	20 0	0	104 5	82 0	125 0	ND	81 8	89 6	8 0	125 0	9 1	15 0				L		
b n ob nz e	0 37	ND	20 5	0 0	ND	17 75	19 20	20 0	ND	101 3	84 0	120 0	ND	88 8	96 0	84 0	120 0	7 8	15 0						
1 3 trim thylbenz e	0	0 4	0 80	0 0	ND	16 80	18 42	20 0	0 2	104 0	82 0	125 0	ND	84 0	92 1	82 0	125 0	9 2	15 0						
hl tolue	0.38	ND	0 73	0 0	ND	15 92	17 42	0 0	ND	103 7	80 0	1 8 0	ND	79 6	87 1	80 0	128 0	9 0	15 0				L		
4-chlo t luene	0 30	ND	0 23	0 0	ND	17 69	19 18	0 0	ND	101	80 0	127 0	ND	88 5	95 9	80 0	127 0	8 1	15 0						
lph thyl sty ene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
rt b tyl benzene	0 27	0 38	18 8	20 0	ND	14 87	16 34	20 0	0 4	91 9	80 0	1 1 0	ND	74 4	81 7	80 0	121 0	9 4	15 0				L		
1 4-trim thylbe	0 7	0 30	0 60	20 0	ND	17 02	18 59	20 0	0 3	103 0	84 0	1 5 0	ND	85 1	93 0	84 0	125 0	8 8	15 0						
s b tyl be ene	0 23	0 56	19 38	0 0	ND	14 86	16 62	20 0	0 6	96 9	80 0	125 0	ND	74 3	83 1	80 0	125 0	11.2	15 0				L		
p sop pyl tolue e	0 0	0 51	13 15	0 0	ND	15 10	16 81	20 0	0 5	95 8	79 0	133 0	ND	75 5	84 1	79 0	133 0	10 7	15 0				L		
3 d hloroben ene	0 3	ND	19 98	20 0	ND	17 03	18 62	0 0	ND	99 9	70 0	130 0	ND	85 2	93 1	70 0	130 0	8 9	15 0						
1 4 d hl obenzen	0 7	ND	0 06	0 0	ND	17 41	18 92	20 0	ND	100 3	70 0	130 0	ND	87 1	94 6	70 0	130 0	8 3	15 0						
b tyl ben ene	0 33	0 68	19 5	20 0	ND	14 85	16 68	0 0	0 7	97 6	78 0	128 0	ND	74 3	83 4	78 0	128 0	11 6	17 0				L		
1 d hl b nzene	0 30	ND	0 56	0 0	ND	18 58	0 06	20 0	ND	102.8	70 0	130 0	ND	92 9	100 3	70 0	130 0	7 7	15 0						
1 d b mo-3-chlor propane	1 70	ND	20 19	0 0	ND	23 13	23 86	20 0	ND	101 0	69 0	125 0	ND	115 7	119 3	69 0	125 0	3 1	26 0						
1 4 tri hlor benzene	0 24	0 55	18 69	20 0	ND	17 21	18 74	20 0	0 6	93 5	74 0	124 0	ND	86 1	93 7	74 0	124 0	8 5	20 0						
h hl ob tad ene	0 45	0 89	18 75	0 0	0 5	13 98	15 74	20 0	0 9	93 8	67 0	131 0	0 5	67 3	76 1	67 0	131 0	11 8	26 0						
naphthalene	0 51	ND	18 99	0 0	ND	20 _3	21 9	0 0	ND	95 0	69 0	126 0	ND	101 2	106 5	69 0	126 0	5 1	4 0						
1 3 tri hl be ze e	0 31	0 5	18 6	0 0	ND	17 94	19 58	0 0	0 5	93 1	60 0	137 0	ND	89 7	97 9	60 0	137 0	8 7	33 0						
S rr t																									
d b omofluorom than		7 18	27 05	5 0	8 11	_8 20	28 23	25 0	108 7	108 2	86	118	112 4	112 8	11 9										
1 d hl ethan -d4		29 04	28 70	25 0	29 91	30.56	29 84	25 0	116 2	114 8	80	120	119 6	122 2	119 4								H		
toluene-d8		2 80	6 97	25 0	26 50	_5 66	25 98	5 0	107	107 9	88	110	106 0	102 6	103 9										
p b mofl orob n e e		8 00	8 34	25 0	8 45	7 87	27 68	25 0	112 0	113 4	86	115	113 8	111 5	110 7										

N t nd Defi tions

MDL Method Detection L m t
BLK M thod Blank
LCS L bo ry C tr l S pl
MS M D M trix Sp k / Matrix Sp k Dupl te

LCL Lower C ntr l Lim t
UCL Uppe C tr l L mit
H Ab e c tr l l m t
L Belo o trol lim t

ND= Non Detected
RPD R l t Perce t Diff en e
NS N t sp k d
NA Not ppl c ble

DF D l tion Facto

K m o En ronmental Services -OVL
Volat l Quality Co trol S mmary

W rkgroup #	WG61 57	Run Date	7/20/99	SMPL Num	07 126 11	LCS DF	1
Meth d	8 60B	Instrument ID	HPMS8	SMPL FLNM	8M9749 D	SMPL DF	10
M trix	WATER	BLK FLNM	8M9746 D	MS FLNM	8M9750 D	MS DF	10
Units	g/L	LCS FLNM	8M9745 D	MSD FLNM	8M9751 D	MSD DF	10

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	Blank	LCS	LCS Spike Le el	Sa nple	MS	MSD	MS Sp'k Le el	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MS UCL	MS RPD	RPD UCL	Blank	LCS	Sampl	MS	MSD	RPD
Target A lyt	g/L	g L	g/L	g/L	ug/L	g/L	ug L	g/L		%	%	%		%	%	%	%	%	%						
d chl d flu romethane	0 26	ND	3 63	20 0	ND	163 56	152 56	200 0	ND	118 2	10 0	153 0	ND	81 8	76 3	10 0	153 0	7 0	42.0						
hlo m thane	0 52	ND	20 14	20 0	ND	176 8	174.39	200 0	ND	100 7	49 0	129 0	ND	88 1	87 2	49 0	129 0	1 1	30 0						
nyl hl rid	0 30	ND	3 64	0 0	4 11	190 34	181 77	200 0	ND	118 2	57 0	135 0	4 1	93 1	88 8	57 0	135 0	4 6	30 0						
brom methane	0 68	ND	21 75	20 0	ND	196 93	190 85	200 0	ND	108 8	58 0	140 0	ND	98 5	95 4	58 0	140 0	3 1	39 0						
hl oeth	0 44	ND	1 19	0 0	ND	175 78	174 40	200 0	ND	106 0	69 0	126 0	ND	87 9	87 2	69 0	126 0	0 8	27 0						
tr hl tl m than	0 32	ND	24 17	20 0	ND	177 57	164 58	200 0	ND	1 0 9	67 0	152 0	ND	88 8	82 3	67 0	152 0	7 6	22 0						
opren	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
l n	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
l l tr hl l trifluo oethane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
cet	4 26	ND	3 20	20 0	ND	223 55	227 91	200 0	ND	116 0	40 0	142 0	ND	111 8	114 0	40 0	142 0	1 9	40 0						
l l d hl oethene	0 31	ND	19 99	20 0	1 76	166 70	164 63	200 0	ND	100 0	81 0	130 0	12 8	77 0	75 9	81 0	130 0	1 2	18 0				L	L	
d thyl ulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
od methane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
m thyle e chl d	0 74	ND	1.38	20 0	ND	210 81	204 44	200 0	ND	106 9	76 0	1 5 0	ND	105 4	102 2	76 0	125 0	3 1	19 0						
arbo d ulfid	0 3	ND	15 35	20 0	ND	118 70	119 77	200 0	ND	76 8	70 0	138 0	ND	59 4	59 9	70 0	138 0	0 9	20 0				L	L	
yl tril	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
m thyl tert butyl ether	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tra l -d chloroeth n	0 22	ND	0 96	20 0	20 11	201 76	200 15	200 0	ND	104 8	86 0	135 0	20 1	90 8	90 0	86 0	135 0	0 8	16 0						
-n	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
yl acetat	1 00	ND	19 75	20 0	ND	192 56	197 90	200 0	ND	98 8	10 0	136 0	ND	96 3	99 0	10 0	136 0	2 7	66 0						
1-d hl oethane	0 23	ND	0 47	20 0	8 91	194 42	192 54	200 0	ND	107 4	84 0	127 0	8 9	92 8	91 8	84 0	127 0	1 0	15 0						
b tan ne	2 00	ND	23 43	20 0	ND	232 95	244 71	200 0	ND	117 2	61 0	137 0	ND	116 5	122 4	61 0	137 0	4 9	30 0						
-di hloropropan	0 6	ND	23 05	0 0	ND	181 91	174 21	200 0	ND	115 3	79 0	130 0	ND	91 0	87 1	79 0	130 0	4.3	17 0						
s l -d chl oeth e	0 24	ND	19 92	20 0	57 96	757 65	758 62	200 0	ND	99 6	82 0	1 1 0	573 0	92 3	92 8	82 0	121 0	0 1	15 0						
chl r form	0 21	ND	1 69	0 0	ND	05 17	203 16	200 0	ND	108 5	85 0	121 0	ND	107 6	101 6	85 0	121 0	1 0	15 0						
b mo hl methane	0 21	ND	2 20	20 0	ND	222 3	218 61	200 0	ND	111 0	85 0	121 0	ND	111 1	109 3	85 0	121 0	1 6	15 0						
l l l tri hl oethane	0 30	ND	23 51	0 0	63 0	250 60	42 40	200 0	ND	117 6	78 0	127 0	63 2	93 7	89 6	78 0	1 7 0	3 3	17 0						
cyclohe ane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
l l dichl r propen	0 29	ND	3 14	20 0	ND	178 72	174 08	200 0	ND	115 7	91 0	133 0	ND	89.4	87 0	91 0	133 0	2 6	15 0				L	L	
arb t tra hl ride	0 30	ND	24 18	20 0	ND	189 35	181 02	200 0	ND	120 9	70 0	130 0	ND	94 7	90 5	70 0	130 0	4 5	20 0						
1 d hlor thane	0 17	ND	23 57	0 0	ND	238 01	231 73	200 0	ND	117 9	78 0	128 0	ND	119 0	115 9	78 0	128 0	2 7	17 0						
benzene	0 20	ND	19 64	20 0	ND	178 66	176 08	200 0	ND	98 2	87 0	118 0	ND	89 3	88 0	87 0	118 0	1 5	15 0						
tri hloroethene	0 30	ND	21 08	20 0	241.35	418 35	412 86	200 0	ND	105 4	83 0	123 0	241 4	88 5	85 8	83 0	123 0	1 3	15 0						
1 d hlo p pane	0 20	ND	19 18	20 0	ND	179 58	180 95	200 0	ND	95 9	81 0	121 0	ND	89 8	90 5	81 0	121 0	0 8	15 0						
b d chlor methane	0 24	ND	22 39	0 0	ND	222. 3	215 90	200 0	ND	112.0	81 0	126 0	ND	111 1	108 0	81 0	1 6 0	2 9	16 0						
d b m methane	0 25	ND	2 75	20 0	ND	235 57	232 02	200 0	ND	113 8	83 0	122 0	ND	117 8	116 0	83 0	122 0	1 5	15 0						
hloroethyl tnyl ether	0 79	ND	145 62	20 0	ND	379 18	345 38	200 0	ND	728 1	45 0	154 0	ND	189 6	172 7	45 0	154 0	9 3	46 0		H		H	H	
4 thyl 2 pe tan	1 27	ND	21 67	20 0	ND	215 53	223 81	200 0	ND	108 4	66 0	132 0	ND	107 8	111 9	66 0	132 0	3 8	33 0						
1,3-d hl p pen	0 15	ND	1 44	20 0	ND	07 68	207 3	200 0	ND	107 2	82 0	124 0	ND	103 8	103 7	82 0	124 0	0 2	15 0						
d me hyl d sulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
t luen	0.21	ND	19 82	20 0	4 53	177 51	178 4	200 0	ND	99 1	84 0	123 0	4 5	86 5	86 9	84 0	123 0	0 5	15 0						
ed yl methacrylate	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
trans 1 3-dichl prope	0 33	ND	1 07	0 0	ND	206 40	07 69	200 0	ND	105 4	80 0	124 0	ND	103 2	103 8	80 0	124 0	0 6	15 0						
1 1 tri hlo oeth	0 45	ND	20 9	0 0	ND	07 96	209 26	200 0	ND	103 0	78 0	122 0	ND	104 0	104 6	78 0	122 0	0 6	15 0						

K m n E r nme tal Services -OVL
Volatile Quality Control Summary

W rkg oup #	WG61257	Ru D te	7 20/99	SMPL Num	07 126-11	LCS DF	1
Method	8 60B	I trument ID	HPMS8	SMPL FLNM	8M9749 D	SMPL DF	10
M trix	WATER	BLK FLNM	8M9746 D	MS FLNM	8M9750 D	MS DF	10
Units	ug/L	LCS FLNM	8M9745 D	MSD FLNM	8M9751 D	MSD DF	10

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	BLK	LCS	LCS Sp ke Le el	SMPL	MS	MSD	MS Spike Level	BLK	LCS	LCS LCL	LCS UCL	Sampl	MS	MSD	MS LCL	MSD UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPD
T g t A alyte	g/L	g/L	g/L	g/L	g/L	ug/L	g/L	ug/L	%		/			/	/	%			/						
he. anone	1 39	ND	_2 95	20 0	ND	227 36	238 99	200 0	ND	114 8	57 0	130 0	ND	113 7	119 5	57 0	130 0	5 0	31 0						
1 3-d hlor p pane	0 33	ND	20 34	20 0	ND	206 08	206 50	200 0	ND	101 7	78 0	123 0	ND	103 0	103 3	78 0	123 0	0 2	15 0						
tcu hl roethene	0 8	ND	19 66	20 0	3 08	157 76	154_6	200 0	ND	98 3	83 0	124 0	3 1	77.3	75 6	83 0	1 4 0	2.2	15 0				L	L	
d b nochl omethan	0 45	ND	2 74	20 0	ND	229 89	28 35	200 0	ND	113 7	78 0	123 0	ND	114 9	114 2	78 0	123 0	0 7	18 0						
l dib omoethane	0 33	ND	21 48	0 0	ND	222 83	218 97	200 0	ND	107 4	79 0	123 0	ND	111 4	109 5	79 0	123 0	1 7	15 0						
l hl h an	NTC	ND	20 0	20 0	ND	145 25	150 63	200 0	ND	100 3	60 0	140 0	ND	72 6	75 3	60 0	140 0	3 6	NA						
hl benzene	0 8	ND	_0 63	20 0	ND	193 09	192 51	200 0	ND	103 2	70 0	130 0	ND	96 5	96 3	87 0	118 0	0 3	15 0						
1 1 1 t tra hl ethane	0 61	ND	22 8	0 0	ND	_22 11	218 49	200 0	ND	114 1	8 0	123 0	ND	111 1	109 2	82 0	123 0	1 6	15 0						
thylbenzen	0 7	ND	0 2	0 0	ND	178 63	178 87	200 0	ND	102 6	85 0	1 1 0	ND	89 3	89 4	85 0	121 0	0 1	15 0						
m+p- ylene	0 40	ND	40 59	40 0	4 20	359 34	355 86	400 0	ND	101 5	86 0	121 0	4 2	88 8	87 9	86 0	121 0	1 0	15 0						
ylen	0	ND	0 18	0 0	ND	184 97	183 44	200 0	ND	100 9	85 0	121 0	ND	92.5	91 7	85 0	1 1 0	0 8	15 0						
sty	0 28	ND	20 40	20 0	ND	194 00	192 94	200 0	ND	102 0	84 0	120 0	ND	97 0	96 5	84 0	120 0	0 5	15 0						
b omoform	0 53	ND	0 51	0 0	ND	214 68	216 61	00 0	ND	102 6	73 0	124 0	ND	107 3	108.3	73 0	124 0	0 9	2 0						
sopropylbe e e	0 22	ND	19 98	20 0	ND	167 19	164 10	200 0	ND	99 9	81 0	124 0	ND	83 6	82 1	81 0	124 0	1 9	15 0						
1 1_ 2 tetrachl roethane	0 67	ND	21 5	20 0	ND	217 64	23 43	200 0	ND	106 3	72 0	13 0	ND	108 8	111 7	72.0	132 0	6	23 0						
1 3 trichloropropane	0 92	ND	23 73	0 0	ND	253 97	251 25	200 0	ND	118 7	72 0	132 0	ND	1 7 0	125 6	72 0	132 0	1 1	21 0						
trans 1 4-dichlo o-2 buten	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	60 0	140 0	ND	NS	NS	60 0	140 0	NA	20 0						
propyl be	0 19	ND	20 89	20 0	ND	171 67	170 89	200 0	ND	104 5	82 0	125 0	ND	85 8	85 4	8 0	125 0	0 5	15 0						
b omobenz e	0 37	ND	0 75	20 0	ND	197 22	202 31	200 0	ND	103 8	84 0	120 0	ND	98.6	101 2	84 0	120 0	2.5	15 0						
1 3 5 trimethylbenze	0 2	0 25	20 4	20 0	ND	178 51	171 65	200 0	0 3	102 1	82 0	125 0	ND	89 3	85 8	82 0	125 0	3 9	15 0						
hl tolue	0.38	ND	0 43	20 0	ND	181 57	188 05	_00 0	ND	102 2	80 0	128 0	ND	90 8	94 0	80 0	128 0	3 5	15 0						
4 hlo t lue e	0 30	ND	21 35	0 0	ND	194 40	190 12	200 0	ND	106 8	80 0	1 7 0	ND	97 2	95 1	80 0	1 7 0	2 2	15 0						
alph m thyl-sty ene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
t rt b tyl benz ne	0 27	0 38	0 44	20 0	ND	169 71	167 60	200 0	0 4	102 2	80 0	121 0	ND	84 9	83 8	80 0	121 0	1 3	15 0						
1 4 trimethylbenzene	0 7	0 8	19 76	20 0	ND	178 59	169.40	200 0	0 3	98 8	84 0	125 0	ND	89.3	84 7	84.0	125 0	5 3	15 0						
s c butyl benzene	0 23	0 50	19 10	20 0	ND	152 58	149 82	200 0	0 5	95 5	80 0	125 0	ND	76 3	74 9	80 0	125 0	1 8	15 0				L	L	
p isopropyl toluene	0 0	0 44	18 40	20 0	ND	152 17	146 66	200 0	0 4	92 0	79 0	133 0	ND	76 1	73 3	79 0	133 0	3 7	15 0				L	L	
1 3 d hlo ob ne	0 32	ND	20 41	0 0	ND	190 34	193 95	200 0	ND	102 1	70 0	130 0	ND	95 2	97 0	70 0	130 0	1 9	15 0						
1 4-d hl ob nzene	0 27	ND	0 47	20 0	ND	193 49	193_1	200 0	ND	102 4	70 0	130 0	ND	96 7	96 6	70 0	130 0	0 1	15 0						
n butyl benzene	0 33	0 53	17 54	0 0	ND	142 64	132 60	200 0	0 5	87 7	78 0	128 0	ND	71.3	66 3	78 0	128 0	7 3	17 0				L	L	
1_ d hl robenzen	0 30	ND	1 11	0 0	ND	205 40	207 75	200 0	ND	105 6	70 0	130 0	ND	102 7	103 9	70 0	130 0	1 1	15 0						
1 d br o-3-chlo propane	1 70	ND	21 3	20 0	ND	226 23	222 37	200 0	ND	106 6	69 0	125 0	ND	113 1	111 2	69 0	125 0	1 7	26 0						
1 2 4-trichlorobenzene	0 24	0 50	17 74	20 0	ND	172 98	166 50	200 0	0 5	88 7	74 0	124 0	ND	86 5	83 3	74 0	124 0	3 8	0 0						
he hlorobutadiene	0 45	0 97	19 10	20 0	ND	151 14	143 73	200 0	1 0	95 5	67 0	131 0	ND	75 6	71 9	67 0	131 0	5 0	26 0						
aphthalene	0 51	0 24	17 95	20 0	ND	183 51	176 61	200 0	0	89 8	69 0	126 0	ND	91 8	88.3	69 0	126 0	3 8	24 0						
1 3 trichlorobenze e	0 31	0 54	17 95	0 0	ND	177 64	174 13	200 0	0 5	89 8	60 0	137 0	ND	88 8	87 1	60 0	137 0	2 0	33 0						
S rr gates																									
d bromofluo omethane		27.93	28 06	5 0	28.52	28 79	28 46	25 0	111 7	112 2	86	118	114 1	115.2	113 8										
1 di hl roethane-d4		9 37	9 14	25 0	30 25	29 97	29 84	25 0	117 5	116 6	80	120	1 1 0	119 9	119 4										
tol ene-d8		6 2	26 15	5 0	26 11	25 65	5 93	25 0	104 9	104 6	88	110	104 4	102 6	103 7										
p b oil benze		8 65	28 36	25 0	28 22	28 41	28 64	25 0	114 6	113 4	86	115	112 9	113 6	114 6										

N te d D tnn ti s

MDL M th d D tectio L m t
BLK M th d Blank
LCS L ab at ry Control Sample
MS MSD Matri Sp k / M tri Spike D pl ate

LCL= Lower Control Lim t
UCL= Upper Co trol L mit
H-Ab e control li it
L-B l w c trol l mit

ND= Non Detected
RPD R lat e P ce t D ff e
NS=N t sp ked
NA-Not applicabl

DF Dilution Facto

K m E iro m t l Servi es -OVL

V olatile Qualit Control Summary

W kgro p #	WC61 57	Run Date	7 0 99	SMPL Num	07 126 11	LCS DF	1
Method	8260B	Instrument ID	HPMS8	SMPL FLNM	8M9749 D	SMPL DF	10
M trix	WATER	BLK FLNM	8M9746 D	MS FLNM	8M9750 D	MS DF	10
Units	ug/L	LCS FLNM	8M9745 D	MSD FLNM	8M9751 D	MSD DF	10

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTI IERS					
	MDL	Blank	LCS	LCS Sp ke Le el	S mple	MS	MSD	MS Sp ke Le l	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MS UCL	MS RPD	RPD UCL	Blank	LCS	Sampl	MS	MSD	RPD
T g t A alytes	g/L	g/L	ug/L	ug/L	g/L	g/L	ug/L	ug/L	%	%	%	%	%	%	%	%		%	%						
di hlorod fluoromethane	0.26	ND	73 63	20 0	ND	163 56	152 56	200 0	ND	118 2	10 0	153 0	ND	81 8	76.3	10 0	153 0	7 0	42 0						
hl m than	0 5	ND	20 14	20 0	ND	176 8	174 39	200 0	ND	100 7	49 0	129 0	ND	88 1	87 2	49 0	129 0	1 1	30 0						
yl hl rid	0 0	ND	3 64	0 0	4 11	190 34	181 77	200 0	ND	118 2	57 0	135 0	4 1	93 1	88 8	57 0	135 0	4 6	30 0						
b m methane	0 68	ND	21 75	20 0	ND	196 93	190 85	200 0	ND	108 8	58 0	140 0	ND	98 5	95 4	58 0	140 0	3 1	39 0						
hlo ethane	0 44	ND	1 19	0 0	ND	175 78	174 40	200 0	ND	106 0	69 0	1 6 0	ND	87 9	87 2	69 0	1 6 0	0 8	27 0						
tri hl oft m than	0 32	ND	24 17	20 0	ND	177 57	164 58	200 0	ND	1 0 9	67 0	152 0	ND	88 8	82 3	67 0	152 0	7 6	22 0						
soprene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
l n	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 tri hlo 1 ,2 trifluo roethane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
a t ne	4 26	ND	3 20	20 0	ND	23 55	27 91	200 0	ND	116 0	40 0	142 0	ND	111 8	114 0	40 0	142 0	1 9	40 0						
1 1 d hl oethen	0 31	ND	19 99	20 0	1 76	166 70	164 63	200 0	ND	100 0	81 0	130 0	12 8	77 0	75 9	81 0	130 0	1 2	18 0				L	L	
d m thyl lfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
od methane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
m thyle e hlonde	0 74	ND	1 38	20 0	ND	210 81	204 44	200 0	ND	106 9	76 0	125 0	ND	105 4	102 2	76 0	125 0	3 1	19 0						
arbo d s lfide	0 3	ND	15 35	0 0	ND	118 70	119 77	00 0	ND	76 8	70 0	138 0	ND	59 4	59 9	70 0	138 0	0 9	20 0				L	L	
rylo trile	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
m thyl t rt b tyl eth	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
trans 1 d chlor ethen	0 2	ND	0 96	20 0	20 11	201 76	200 15	200 0	ND	104 8	86 0	135 0	20 1	90 8	90 0	86 0	135 0	0 8	16 0						
n-he an	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
nyl etate	1 00	ND	19 75	20 0	ND	192 56	197 90	200 0	ND	98 8	10 0	136 0	ND	96 3	99 0	10 0	136 0	2 7	66 0						
1 1 d chl oethane	0 23	ND	0 47	20 0	8 91	194.42	192 54	200 0	ND	10 4	84 0	1 7 0	8 9	92 8	91 8	84 0	127 0	1 0	15 0						
butanone	2 00	ND	3 43	0 0	ND	232 95	244 71	200 0	ND	117 2	61 0	137 0	ND	116 5	122 4	61 0	137 0	4 9	30 0						
di hlorop p	0 26	ND	23 05	0 0	ND	181 91	174 21	200.0	ND	115 3	79 0	130 0	ND	91 0	87 1	79 0	130 0	4 3	17 0						
1 2-d chlo oethene	0 4	ND	19 92	0 0	572 96	757 65	758 62	200 0	ND	99 6	82 0	121 0	573 0	92.3	92 8	82 0	121 0	0 1	15 0						
chl roform	0 1	ND	1 69	20 0	ND	05 17	203 16	200 0	ND	108 5	85 0	121 0	ND	102 6	101 6	85 0	121 0	1 0	15 0						
b m hl meth ne	0 21	ND	22 20	0 0	ND	222 23	218 61	200 0	ND	111 0	85 0	121 0	ND	111 1	109 3	85 0	121 0	1 6	15 0						
1 1 1 tri hlo oethan	0 30	ND	23 31	0 0	63 20	250 60	242 40	200 0	ND	117 6	78 0	1 7 0	63 2	93 7	89 6	78 0	127 0	3.3	17 0						
cyclohexane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 1 di hloropropene	0 29	ND	3 14	0 0	ND	178 7	174.08	200 0	ND	115 7	91 0	133 0	ND	89.4	87 0	91 0	133 0	2 6	15 0				L	L	
arbon tetrachloride	0 30	ND	24 18	0 0	ND	189.35	181 02	200 0	ND	120 9	70 0	130 0	ND	94 7	90 5	70 0	130 0	4 5	20 0						
1 -dichl roethan	0 17	ND	23 57	20 0	ND	238 01	231 73	200 0	ND	117 9	78 0	1 8 0	ND	119 0	115 9	78 0	128 0	2 7	17 0						
be e e	0 20	ND	19 64	20 0	ND	178 66	176 08	200 0	ND	98 2	87 0	118 0	ND	89 3	88 0	87 0	118 0	1 5	15 0						
tri hlor ethene	0 30	ND	21 08	20 0	241.35	418 35	412 86	200 0	ND	105 4	83 0	123 0	241 4	88 5	85 8	83 0	123 0	1 3	15 0						
1 d hl propane	0 20	ND	19 18	20 0	ND	179 58	180 95	200 0	ND	95 9	81 0	121 0	ND	89 8	90.5	81 0	121 0	0 8	15 0						
b rod chl methane	0 4	ND	39	20 0	ND	222 23	15 90	200 0	ND	11 0	81 0	1 6 0	ND	111 1	108 0	81 0	126 0	2 9	16 0						
d br momethane	0 25	ND	22 75	20 0	ND	235 57	232 02	200 0	ND	113 8	83 0	122 0	ND	117 8	116 0	83 0	122 0	1 5	15 0						
-chloroethyl inyl ether	0 79	ND	145 62	20 0	ND	379 18	345 38	200 0	ND	728 1	45 0	154 0	ND	189 6	172 7	45 0	154 0	9.3	46 0		H		H	H	
+ thyl 2 pentano e	1 27	ND	21 67	20 0	ND	15 53	223 81	200 0	ND	108 4	66 0	132 0	ND	107 8	111 9	66 0	132 0	3 8	33 0						
s-1,3-dichl rop pen	0 15	ND	1 44	20 0	ND	207 68	207 32	200 0	ND	107 2	82 0	124 0	ND	103 8	103 7	82 0	124 0	0 2	15 0						
d m thyl d sulfid	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tol e	0.21	ND	19 82	20 0	4 53	177 31	178 4	200 0	ND	99 1	84 0	1 3 0	4 5	86 5	86 9	84 0	1 3 0	0 5	15 0						
thyl ethacrylate	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tra s 1 3-d chl opropen	0 33	ND	21 07	20 0	ND	206 40	07 69	200 0	ND	105 4	80 0	1 4 0	ND	103	103 8	80 0	1 4 0	0 6	15 0						
1 1 tri hloroethane	0 45	ND	20 59	20 0	ND	207 96	209 26	200 0	ND	103 0	78 0	122 0	ND	104 0	104 6	78 0	122 0	0 6	15 0						

K m E mental S rvices -OVL
Volatile Quality Control Summary

W rkgro p #	WG61 57	Ru D t	7/20 99	SMPL Num	07 126 11	LCS DF	1
Method	8 60B	I strument ID	HPMS8	SMPL FLNM	8M9749 D	SMPL DF	10
M trix	WATER	BLK FLNM	8M9746 D	MS FLNM	8M9750 D	MS DF	10
Units	ug L	LCS FLNM	8M9745 D	MSD FLNM	8M9751 D	MSD DF	10

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	BLK	LCS	LCS Spike Le l	SMPL	MS	MSD	MS Sp k L el	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MSD UCL	MS RPD	RPD UCL	Bl nk	LCS	Sample	MS	MSD	RPD
T g t A alyte	g/L	ug/L	g L	g/L	g L	g/L	g/L	ug/L	/	/	/	/	/	/	/	/		/	/						
he anone	1 39	ND	2 95	20 0	ND	227 36	238 99	200 0	ND	114 8	57 0	130 0	ND	113 7	119 5	57 0	130 0	5 0	31 0						
1 3 d chlo op pane	0 33	ND	20 34	20 0	ND	206 08	206 50	200 0	ND	101 7	78 0	123 0	ND	103 0	103 3	78 0	123 0	0 2	15 0						
tetra hlo oethene	0 8	ND	19 66	0 0	3 08	157 76	154 26	200 0	ND	98 3	83 0	124 0	3 1	77.3	75 6	83 0	1 4 0	2 2	15 0				L	L	
d b m hl r m than	0 45	ND	2 74	20 0	ND	229 89	228 35	200 0	ND	113 7	78 0	123 0	ND	114 9	114 2	78 0	123 0	0 7	18 0						
1 2 d b omo than	0.33	ND	1 48	20 0	ND	222 83	218 97	200 0	ND	107 4	79 0	123 0	ND	111 4	109 5	79 0	123 0	1 7	15 0						
1 chl he ane	NTC	ND	0 05	20 0	ND	145 25	150 63	200 0	ND	100 3	60 0	140 0	ND	7 6	75 3	60 0	140 0	3 6	NA						
1 1 ob nzene	0 28	ND	0 63	20 0	ND	193 09	19 51	200 0	ND	103 2	70 0	130 0	ND	96 5	96 3	87 0	118 0	0.3	15 0						
1 1 1 t tr chlo oethane	0 61	ND	2 82	20 0	ND	222 11	218 49	200 0	ND	114 1	82 0	123 0	ND	111 1	109 2	82 0	123 0	1 6	15 0						
thylbe zene	0 27	ND	0 5	20 0	ND	178 63	178 87	200 0	ND	102 6	85 0	121 0	ND	89 3	89 4	85 0	121 0	0 1	15 0						
m+p- yle e	0 40	ND	40 59	40 0	4 20	359 34	355 86	400 0	ND	101 5	86 0	121 0	4 2	88 8	87 9	86 0	121 0	1 0	15 0						
ylene	0	ND	0 18	20 0	ND	184 97	183 44	200 0	ND	100 9	85 0	1 1 0	ND	92 5	91 7	85 0	121 0	0 8	15 0						
sty	0 28	ND	20 40	20 0	ND	194 00	192 94	200 0	ND	102 0	84 0	120 0	ND	97 0	96 5	84 0	120 0	0 5	15 0						
bromoform	0 53	ND	0.51	20 0	ND	14 68	216 61	200 0	ND	102 6	73 0	124 0	ND	107.3	108 3	73 0	124 0	0 9	2 0						
p pylbenzene	0 22	ND	19 98	20 0	ND	167 19	164 10	200 0	ND	99 9	81 0	124 0	ND	83 6	82 1	81 0	124 0	1 9	15 0						
1 1 trachl roethane	0 67	ND	1 5	20 0	ND	17 64	23 43	200 0	ND	106.3	72 0	132 0	ND	108 8	111 7	72 0	132 0	2 6	23 0						
1 3 tr chl ropropane	0 92	ND	23 73	0 0	ND	253 97	51 25	200 0	ND	118 7	72 0	132 0	ND	1 7 0	125 6	72 0	132 0	1 1	21 0						
tran 1 4-di hloro- b ten	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	60 0	140 0	ND	NS	NS	60 0	140 0	NA	20 0						
p pyl benz	0 19	ND	0 89	20 0	ND	171 67	170 89	200 0	ND	104 5	82 0	125 0	ND	85 8	85 4	82 0	125 0	0 5	15 0						
b mobenzen	0.37	ND	20 75	20 0	ND	197 2	02 31	200 0	ND	103 8	84 0	120 0	ND	98 6	101 2	84 0	120 0	2.5	15 0						
1 3 trim thylb en	0 22	0 25	20 4	20 0	ND	178 51	171 65	200 0	0 3	102 1	82 0	125 0	ND	89 3	85 8	82 0	1 5 0	3 9	15 0						
hlo toluen	0 38	ND	20 43	20 0	ND	181.57	188 05	200.0	ND	102 2	80 0	128 0	ND	90 8	94 0	80 0	128 0	3 5	15 0						
4-chlo t l ene	0 30	ND	21 35	20 0	ND	194 40	190 12	200 0	ND	106 8	80 0	127 0	ND	97 2	95 1	80 0	127 0	2	15 0						
lph m thyl styren	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
rt b tyl benz	0.27	0 38	20 44	20 0	ND	169 71	167 60	200 0	0 4	102 2	80 0	121 0	ND	84 9	83 8	80 0	121 0	1 3	15 0						
1 4-trim thylbenzene	0 7	0 28	19 76	0 0	ND	178 59	169.40	200 0	0 3	98 8	84 0	125 0	ND	89.3	84 7	84 0	125 0	5 3	15 0						
sec b tyl benz	0 23	0 50	19 10	20 0	ND	152 58	149 82	200 0	0 5	95 5	80 0	125 0	ND	76 3	74 9	80 0	125 0	1 8	15 0				L	L	
p sop opyl toluene	0.20	0 44	18 40	20 0	ND	15 17	146 66	200 0	0 4	92 0	79 0	133 0	ND	76 1	73 3	79 0	133 0	3 7	15 0				L	L	
1 3 dichl benz e	0 32	ND	0 41	20 0	ND	190 34	193 95	200 0	ND	102 1	70 0	130 0	ND	95 2	97 0	70 0	130 0	1 9	15 0						
1 4-d chl obenzene	0 27	ND	0 47	0 0	ND	193 49	193 1	200 0	ND	102 4	70 0	130 0	ND	96 7	96 6	70 0	130 0	0 1	15 0						
b tyl benzene	0 33	0 53	17 54	20 0	ND	142 64	132 60	200 0	0 5	87 7	78 0	128 0	ND	71 3	66 3	78 0	128 0	7 3	17 0				L	L	
1 d hl robenzen	0 30	ND	1 11	20 0	ND	205 40	207 75	200 0	ND	105 6	70 0	130 0	ND	102 7	103 9	70 0	130 0	1 1	15 0						
1 d b m 3-chl propane	1 70	ND	1 32	20 0	ND	226 3	222 37	200 0	ND	106 6	69 0	125 0	ND	113 1	111 2	69 0	125 0	1 7	26 0						
1 2 4-trichlo oben e e	0 24	0 50	17 74	20 0	ND	172 98	166 50	200 0	0 5	88 7	74 0	124 0	ND	86 5	83 3	74 0	124 0	3 8	20 0						
h hl b tadiene	0 45	0 97	19 10	20 0	ND	151 14	143 73	200 0	1 0	95 5	67 0	131 0	ND	75 6	71 9	67 0	131 0	5 0	26 0						
phthalene	0 51	0 4	17 95	20 0	ND	183.51	176 61	200 0	0	89 8	69 0	126 0	ND	91 8	88 3	69 0	126 0	3 8	4 0						
1 3 trichlo obenze	0 31	0 54	17 95	20 0	ND	177 64	174 13	200 0	0 5	89 8	60 0	137 0	ND	88 8	87 1	60 0	137 0	2 0	33 0						
S rr gates																									
d b omofluo om thane		7.92	8 06	5 0	28 52	8 79	28 46	25 0	111 7	112 2	86	118	114 1	115 2	113 8										
i d hl ethane-d4		9 37	29 14	25 0	30 25	9 97	29 84	25 0	117 5	116 6	80	120	121 0	119 9	119 4										
t luene-d8		6.27	6 15	25 0	26 11	25 65	25 93	25 0	104 9	104 6	88	110	104 4	102 6	103 7										
p b m fl be		28 65	8 36	5 0	28 22	28 41	8 64	5 0	114 6	113 4	86	115	112 9	113 6	114 6										

Not d D fi n

MDL Method Detecti n Lim t
BLK M th d Bl k
LCS L b t ry Co tr l San pl
MS MSD Matr x Sp ke / M trix Sp k D plic

LCL L w r Contr l L mit
UCL= Uppe C trol L m t
H=Ab co trol limit
L Belo c nt l l m t

ND= Non Detected
RPD= R l t e Perce t D ffe ce
NS Not sp ked
NA=N t applicabl

DF D l tu F cto

K nron E ro m tal Servi -OVL
Volatile Quality Control Summary

Workgroup #	WG61281	**Run Dat**	7/21 99	**SMPL Num**	07 154 10	**LCS DF**	1
Method	8260B	**In trument ID**	HPMS9	**SMPL FLNM**	9M4 13 D	**SMPL DF**	100
Matrix	WATER	**BLK FLNM**	9M4201 D	**MS FLNM**	9M4214 D	**MS DF**	100
Units	ug/L	**LCS FLNM**	9M4202 D	**MSD FLNM**	9M4215 D	**MSD DF**	100

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDI	Blank	LCS	LCS Spike Le l	Sampl	MS	MSD	MS Spik Le el	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MS UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPD
Targ t Analyt	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L			%	%	%		%	%		%	%						
d hlo dill oromethane	0 6	ND	25 81	20 0	ND	499 08	2545 37	2000 0	ND	129 1	10 0	153 0	ND	125 0	127 3	10 0	153 0	1 8	42 0						
hl thane	0 52	ND	19 48	0 0	ND	1964 21	2069 86	000 0	ND	97 4	49 0	129 0	ND	98 2	103 5	49 0	1 90	5 2	30 0						
vinyl hl nde	0 30	ND	2 10	20 0	ND	2259 25	2348 96	2000 0	ND	110 5	57 0	135 0	ND	113 0	117 4	57 0	135 0	3 9	30 0						
b m m thane	0 68	ND	24 29	20 0	ND	2238 81	2463 71	2000 0	ND	121 5	58 0	140 0	ND	111 9	123 2	58 0	140 0	9 6	39 0						
hloroethane	0 44	ND	1 18	20 0	ND	2090 10	2180 85	2000 0	ND	105 9	69 0	126 0	ND	104 5	109 0	69 0	1 60	4	27 0						
tr hl oflu om than	0 32	ND	23 07	20 0	ND	2257 20	2285 86	2000 0	ND	115 4	67 0	152 0	ND	112 9	114 3	67 0	152 0	1 3	22 0						
isop en	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
ac ol n	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 -trichloro 1 trifluo roethan	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
a t ne	4 26	ND	21 47	20 0	ND	1818 61	1904 05	000 0	ND	107 4	40 0	142 0	ND	90 9	95 2	40 0	142 0	4 6	40 0						
1 1 di hlo oetu n	0 31	ND	2 52	20 0	ND	2199 55	2 8 71	2000 0	ND	11 6	81 0	130 0	ND	110 0	114 1	81 0	130 0	3	18 0						
dim thyl lf 1	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
iodo thane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
thyl n hl rid	0 74	ND	2 40	20 0	ND	2201 72	2234 35	2000 0	ND	112 0	76 0	125 0	ND	110 1	111 7	76 0	125 0	1 5	19 0						
arbo disulfide	0 3	ND	15 35	20 0	ND	1496.30	1540 80	2000 0	ND	76 8	70 0	138 0	ND	74 8	77 0	70 0	138 0	9	20 0						
ylonitril	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
methyl tert butyl eth r	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tran 1 c chloroethene	0 22	ND	24 15	20 0	32 69	2432 97	2485 86	2000 0	ND	1 0 8	86 0	135 0	32 7	120 0	122 7	86 0	135 0	2 2	16 0						
h Xa	NTC	ND	S	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
vinyl a tat	1 00	ND	1 15	20 0	ND	956 85	1022 45	2000 0	ND	60 8	10 0	136 0	ND	47 8	51 1	10 0	136 0	6 6	66 0						
1 1-dichl roethane	0 23	ND	1 58	0 0	ND	2251 43	45 78	2000 0	ND	107 9	84 0	127 0	ND	112 6	112 3	84 0	1 7 0	0 3	15 0						
butano	2 00	ND	0 03	20 0	ND	1687 82	1752 45	2000 0	ND	100 2	61 0	137 0	ND	84 4	87 6	61 0	137 0	3 8	30 0						
-di hlo propa	0 26	ND	4 16	20 0	ND	1886 50	1887 09	2000 0	ND	120 8	79 0	130 0	ND	94 3	94 4	79 0	130 0	0 0	1 0						
s 1 -d hl oeth n	0 24	ND	22 48	20 0	1922 43	4314 40	4337 66	2000 0	ND	112 4	82 0	121 0	1922 4	119 6	120 8	82 0	121 0	0 5	15 0						
hlorotorm	0 1	ND	23 14	20 0	ND	2313 86	2332 75	2000 0	ND	115 7	85 0	121 0	ND	115 7	116 6	85 0	121 0	0 8	15 0						
b ochlor methane	0 21	ND	4 10	20 0	ND	2390 02	2408 85	2000 0	ND	120 5	85 0	121 0	ND	119 5	120 4	85 0	121 0	0 8	15 0						
1 1 1 tri hloroethan	0 30	ND	4 36	20 0	331 71	2703 40	723 98	2000 0	ND	1 1 8	78 0	127 0	331 7	118 6	119 6	78 0	127 0	0 8	17 0						
y l hexan	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 -d chl rop open	0 29	ND	24 84	20 0	ND	2436 90	2484 77	2000 0	ND	124 2	91 0	133 0	ND	121 8	124 2	91 0	133 0	1 9	15 0						
arb t trachl nde	0 30	ND	25 50	20 0	ND	2506 04	2529 48	2000 0	ND	127 5	70 0	130 0	ND	125 3	126 5	70 0	130 0	0 9	20 0						
1 -d hloroethane	0 17	ND	56	20 0	ND	2300 95	2292 61	2000 0	ND	112 8	78 0	128 0	ND	115 0	114.6	78 0	128 0	0 4	17 0						
benzene	0 0	ND	60	20 0	ND	2324 87	2344 12	2000 0	ND	113 0	87 0	118 0	ND	116 2	117 2	87 0	118 0	0 8	15 0						
l roetl n	0 30	ND	3 6	20 0	8178 51	10050 15	10019 44	2000 0	ND	116 3	83 0	1 3 0	8178 5	93 6	9 0	83 0	1 3 0	0 3	15 0						
1 d hl p pan	0 0	ND	0 0	0 0	ND	134 4	2136 03	2000 0	ND	103 5	81 0	1 1 0	ND	106 7	106 8	81 0	121 0	0 1	15 0						
b mod hl o uthan	0 4	ND	3 69	0 0	ND	346 7	3 2 48	000 0	ND	118 5	81 0	126 0	ND	11 3	118 6	81 0	126 0	1 1	16 0						
d b omom than	0 25	ND	3 34	0 0	ND	234 11	2341 95	2000 0	ND	116 7	83 0	122 0	ND	117 1	117 1	83 0	122 0	0 0	15 0						
hl ro tryl vinyl ether	0 9	ND	6 78	0 0	ND	51 93	66 42	2000 0	ND	33 9	45 0	154 0	ND	2 6	3 3	45 0	154 0	4 5	46 0		L		L	L	
4 methyl pentan ne	1 27	ND	23 70	20 0	ND	2113 12	2202 55	2000 0	ND	118 5	66 0	132 0	ND	105 7	110 1	66 0	132 0	4 1	33 0						
s 1 3-dichloropropene	0 15	ND	23 97	20 0	ND	2310 82	231 24	2000 0	ND	119 9	82 0	124 0	ND	115 5	115 6	82 0	1 40	0 1	15 0						
dim thyl disulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
t luen	0 1	ND	1 4	20 0	ND	2137 45	2154 18	2000 0	ND	106	84 0	123 0	ND	106 9	107 7	84 0	123 0	0 8	15 0						
thyl m thacrylate	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tr s 1 di hlo oprop	0 33	ND	0 91	0 0	ND	1983 17	1992 84	000 0	ND	104 6	80 0	124 0	ND	99 2	99 6	80 0	1 40	0 5	15 0						
1 1 tri hloroethan	0 45	ND	21 03	0 0	ND	2143 55	2141 23	2000 0	ND	105 2	78 0	122 0	ND	107 2	107 1	78 0	122 0	0 1	15 0						

K mro E m tal S rvices OVL
Volatil Quality Control Summary

Workgroup #·	WG61281	**Run Date**	7/21 99	SMPL Num.	07 154 10	**LCS DF**	1
Method	8260B	**Instrument ID·**	HPMS9	SMPL FLNM.	9M4213 D	**SMPL DF**	100
Matrix·	WATER	**BLK FLNM**	9M4201 D	MS FLNM.	9M4214 D	**MS DF**	100
Units	ug/L	**LCS FLNM**	9M4202 D	MSD FLNM.	9M4215 D	**MSD DF**	100

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	BLK	LCS	LCS Spike Level	SMPL	MS	MSD	MS Spik L el	BLK	LCS	LCS LCL	LCS UCL	Sampl	MS	MSD	MS LCL	MSD UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPD
Targ t An lyt	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	%	%		%	%	%	%	%	%	%	%						
hexanone	1 39	ND	18 77	20 0	ND	1729.96	1743 42	2000 0	ND	93 9	57 0	130 0	ND	86 5	87 2	57 0	130 0	0 8	31 0						
l d hl propan	0 33	ND	20 24	20 0	ND	2075 14	2018 80	2000 0	ND	101 2	78 0	123 0	ND	101 3	100 9	78 0	123 0	0 3	15 0						
tra hloroethene	0 78	ND	1 39	20 0	ND	2080 95	2097 26	2000 0	ND	107 0	83 0	124 0	ND	104 0	104 9	83 0	124 0	0 8	15 0						
d b mochl romethan	0 45	ND	23 3	20 0	ND	2253 8	2249 83	2000 0	ND	116 2	78 0	123 0	ND	11 7	112 5	78 0	123 0	0 2	18 0						
l -dibromoethane	0 33	ND	21 9	20 0	ND	2058 86	075 91	2000 0	ND	106 5	79 0	123 0	ND	102.9	103 8	79 0	123 0	0 8	15 0						
l hlo hexane	NTC	ND	21 86	0 0	ND	2116 88	126 19	2000 0	ND	109 3	60 0	140 0	ND	105 8	106 3	60 0	140 0	0 4	NA						
hlo ob nze	0 78	ND	1 1	20 0	ND	143 16	139 07	2000 0	ND	105 6	70 0	130 0	ND	107 2	10 0	87 0	118 0	0 2	15 0						
1 1 2 t trachl roethan	0 61	ND	90	0 0	ND	2268 64	2275 83	2000 0	ND	114 5	82 0	123 0	ND	113 4	113 8	82 0	123 0	0 3	15 0						
thylbenzen e	0 77	ND	1 75	20 0	ND	2138 72	21 0 54	2000 0	ND	106 3	85 0	121 0	ND	106 9	108 5	85 0	121 0	1 5	15 0						
m+p xylene	0 40	ND	43 69	40 0	ND	4392 22	4431 30	4000 0	ND	109	86 0	121 0	ND	109 8	110 8	86 0	1 1 0	0 9	15 0						
o xyl ne	0	ND	1 19	20 0	ND	127 99	135 95	2000 0	ND	106 0	85 0	121 0	ND	106 1	106 8	85 0	121 0	0 6	15 0						
ty n	0 8	ND	22 06	0 0	ND	2 8 61	223 26	2000 0	ND	110 3	84 0	120 0	ND	111 4	111 2	84 0	120 0	0	15 0						
b m form	0 53	ND	3 84	20 0	ND	2331 17	2327 7	000 0	ND	119 2	73 0	1 4 0	ND	116 6	116 4	73 0	124 0	0	22 0						
isop pylbe izen	0 2	ND	22 33	20 0	ND	2203 99	2234 95	2000 0	ND	111 7	81 0	124 0	ND	110 2	111 7	81 0	124 0	1 4	15 0						
1 1 tetrachloroethane	0 67	ND	19 67	20 0	ND	1959 79	1971 77	2000 0	ND	98 4	72 0	132 0	ND	98 0	98 6	7 0	13 0	0 6	23 0						
1 3 tri hl r p opan	0 92	ND	20 60	20 0	ND	2003 63	2003 29	2000 0	ND	103 0	72 0	132 0	ND	100 2	100 2	2 0	132 0	0 0	21 0						
trans 1 4 di hloro 2 bute e	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	60 0	140 0	ND	NS	NS	60 0	140 0	NA	20 0						
p pyl benze	0 19	ND	21 23	20 0	ND	2077 64	101 16	2000 0	ND	106 7	82 0	125 0	ND	103 6	105 1	82 0	125 0	1 4	15 0						
br mobenzene	0 37	ND	0 61	20 0	ND	1988 49	20 6 41	2000 0	ND	103 1	84 0	120 0	ND	99 4	101 3	84 0	120 0	1 9	15 0						
1 3 5 trim thylb nzene	0	ND	1 35	20 0	ND	063 81	2102 57	2000 0	ND	106 8	82 0	125 0	ND	103 2	105 1	82 0	125 0	1 9	15 0						
-chlorotoluene	0 38	ND	20 31	20 0	ND	1931 60	027 48	2000 0	ND	101 6	80 0	128 0	ND	96 6	101 4	80 0	128 0	4 8	15 0						
4 hl ot l n	0 30	ND	0 30	20 0	ND	2024 42	1994 48	2000 0	ND	101 5	80 0	127 0	ND	101 2	99 7	80 0	127 0	1 5	15 0						
alpha methyl styr ne	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
t rt butyl benzene	0 27	ND	21 84	20 0	ND	2094 51	2125 74	2000 0	ND	109 2	80 0	121 0	ND	104 7	106 3	80 0	121 0	1 5	15 0						
1 4 trim thylbenzen	0 7	ND	20 58	20 0	ND	2003 96	2025 38	2000 0	ND	107 9	84 0	125 0	ND	100 2	101 3	84 0	125 0	1 1	15 0						
butyl benzen	0 23	ND	20 36	20 0	ND	1976 86	2015 8	2000 0	ND	101 8	80 0	125 0	ND	98 8	100 8	80 0	125 0	1 9	15 0						
p-isopropyl-toluene	0 20	ND	20 28	20 0	ND	1947 83	1980 62	2000 0	ND	101 4	79 0	133 0	ND	97 4	99 0	79 0	133 0	1 7	15 0						
1 3-d hlo obenzene	0 32	ND	0 45	20 0	ND	1969 22	1994 19	2000 0	ND	107 3	70 0	130 0	ND	98 5	99 7	70 0	130 0	1 3	15 0						
1 4-dichlo obenzene	0 27	ND	0 31	20 0	ND	1963 24	1974 78	000 0	ND	101 6	70 0	130 0	ND	98 2	98 7	70 0	130 0	0 6	15 0						
n b tyl benzene	0 33	ND	20 33	0 0	ND	1924 22	1954 37	2000 0	ND	101 7	78 0	128 0	ND	96 2	97 7	78 0	128 0	1 6	17 0						
1 2-dichlorobenzene	0 30	ND	0 89	20 0	ND	2005 84	2030 06	2000 0	ND	104 5	70 0	130 0	ND	100 3	101 5	70 0	130 0	1 2	15 0						
1 2 b mro-3 hl rop pan	1 0	ND	1 5	0 0	ND	1869 23	1937 72	2000 0	ND	107 9	69 0	125 0	ND	93 5	96 6	69 0	125 0	3 3	26 0						
1 4 tri nl b z	0 4	1 1	8	20 0	ND	1836 93	1870 13	000 0	0 3	104 4	74 0	1 4 0	ND	91 8	93 5	74 0	124 0	1 8	0 0						
Na l lo obutadiene	0 45	0 89	16 94	20 0	ND	1503 05	1560 04	2000 0	0 9	84 7	67 0	131 0	ND	75 2	78 0	67 0	131 0	3 7	6 0						
naphthalene	0 51	ND	1 64	20 0	ND	1920 50	1944 40	2000 0	ND	108	69 0	126 0	ND	96 0	97	69 0	126 0	1 2	4 0						
1 3 tr hl robenzene	0 31	0 48	19 94	0 0	ND	1766 18	1806 77	2000 0	0 5	99 7	60 0	137 0	ND	88 3	90 3	60 0	137 0	2 3	33 0						
Sur gates																									
dib omofluo methane		26 73	27	5 0	27 08	27 03	26 89	25 0	106 9	108 9	86	118	108 3	108 1	107 6										
1 d hlo oethane-d4		26 31	26 39	25 0	26 91	26 77	25 94	25 0	105 2	105 6	80	120	107 6	105 1	103 8										
tol 1 d8		25 17	4 95	25 0	25 12	24 90	24 91	25 0	100 5	99 8	88	110	100 5	99 6	99 6										
p-bl fluo ob z		25 09	4	5 0	24 95	3 49	23 65	25 0	100 4	96 9	86	115	99 8	94 0	94 6										

Not and Definitions

MDL= M thod Detection Limit
BLK M thod Blank
LCS Laboratory Control Sample
MS/MSD fatrix Spike / Matrix Spike Dupl cate

LCL= Lower Control Limit
UCL= Upper Control Limit
H Above ontrol limit
L Below control limit

ND= Non Detected
RPD= Relativ Percent Difference
NS Not piked
NA Not applicable

DF D lution Fact r

CHRYSLER CORPORATION 3rd Quarter GW sampling **Chain-of-Custody** 01505 A

CompuChem Kemron 501 Madison Avenue Cary NC 27513 Marietta OH Phone Number 1 800 833 5097 Fax Number (919) 379-4050	Project Name: CHRYSLER/DAYTON THERMAL Site Location: DAYTON, OHIO Site Code: SC001 RFA Number: YGQP9900240 Chrysler PM: GARY STANCZUK	Consultant: LEGGETTE, BRASHEARS & GRAHAM, INC Address: 1210 W COUNTY ROAD E, STE 700 ST. PAUL, MN 55112 Consultant PM: KEN VOGEL 651 Phone: 651-490-1405 Fax. ~~[illegible]~~ 490-1006	

Turn around Time Request: 24 calendar hrs; 48 calendar hrs; 10 days; 28 days

Data Package Deliverables (circle): Chrysler Level 1; Chrysler Level 2; Other (specify)

Compound List-Parameter/Method/Bottle Type/Preservative: VOC 8260, Glass 40 ml VIAL / HCL

Matrix Codes: S Soil; SW Surface Water; GW Groundwater; A Air; Sed Sediment; O Other (specify) LAB D I WATER

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC 8260, Glass 40 ml VIAL / HCL	Lab Use Only: Volatiles pH <2	Metals pH < 2	Cyanide pH > 12	Other ____	Remarks
MWA001	7/7/99	0845	G	GW	2	X					
PZ017D	↓	0821	G	GW	2	X					
PZ017I		0815	G	GW	2	X					
MW018S		0924	G	GW	2	X					
MWC002		0930	G	GW	2	X					
MWB002		1001	G	GW	2	X					
MWE070799		0935	G	O	2	X					
MWA006		1053	G	GW	2	X					
MWA006 DUP		1053	G	GW	2	X					a of c Sealed
PZ012D	↓	1057	G	GW	2	X					SXS intact

Sampler(s): DAVE STRAND, MARK HEMSTREET, MIKE PLANTE	Bottles Relinquished under Airbill No: NA			Samples Relinquished under Airbill No: 810581588789			Temperature (corrected): 0.0C log
	Relinquished by: Mark P Hemstreet	Date: 7/7/99	Time	Received by:	Date:	Time:	Custody Seal Intact? Yes No
C I ID 585	Relinquished by:	Date:	Time	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Y	Relinquished by:	Date	Time	Received for Laboratory by: Blenda Gregory	Date: 7/8/99	Time: 0955	Custody Seal Intact? Yes No

Chrysler Corporation 800 Chrysler Drive CIMS 482-00-51 Auburn Hills Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink Retained by sampler

SDG-240B

Revised September 3 199

CHRYSLER CORPORATION 3rd Quarter GW Sampling **Chain-of-Custody** 01506 A

~~CompuChem~~ Kemron 501 Madison Avenue Cary NC 27513 Marietta OH Phone Number 1 800 833 5097 Fax Number (919) 379-4050	Project Name CHRYSLER/DAYTON THERMAL Site Location DAYTON, OHIO Site Code SC001 RFA Number YGQP9900240 Chrysler PM GARY STANCZUK	Consultant LEGGETTE, BRASHEARS & GRAHAM, INC Address 1210 W. COUNTY ROAD E, STE 700 ST. PAUL, MN 55112 Consultant PM KEN VOGEL Phone 651-490-1405 Fax. 651-490-1006	

Turn around Time Request: 24 calendar hrs; 48 calendar hr; (10 days); 28 day

Data Package Deliverables (circle): (Chrysler Level 1); ~~Chrysler Level 2~~; Other (specify)

Compound List-Parameter/Method/Bottle Type/Preservative: VOC 8260, Glass 40 ml VIAL/HCl

Matrix Codes: S Soil; SW Surface Water; GW Groundwater; A Air; Sed Sediment; O Other (specify) Carboy S, DI water

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC 8260, Glass 40 ml VIAL/HCl									Lab Use Only: Volatiles pH <2	Metals pH < 2	Cyanide pH > 12	Other ____	Remarks
PZ012I	7/7/99	1114	G	GW	2	X													
MWB006		1155	G	GW	2	X													
MWA003		1355	G	GW	2	X													
PZ014I		1405	G	GW	2	X													
MWA002		1430	G	GW	2	X													
PZ016D		1434	G	GW	2	X													
PZ013I		1515	G	GW	2	X													
MWA005		1512	G	GW	2	X													
AS		1600	G	GW	2	X													C of C delivered
MWA004	7/7/99	1656	G	GW	2	X													SXS intact

Sampler(s): DAVE STRAND, MARK HEMSTREET, MIKE PLANTE CID 585 Is RFA sampling complete? Y (N)	Bottles Relinquished under Airbill No. NA			Samples Relinquished under Airbill No 810581588789			Temperature (corrected) 0.0 C (bag)
	Relinquished by: Mark P. Hemstreet	Date: 7/7/99	Time:	Received by:	Date:	Time:	Custody Seal Intact? Yes No
	Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact? Yes No
	Relinquished by:	Date:	Time:	Received for Laboratory by: Sienna Gregory	Date: 7/8/99	Time: 0955	Custody Seal Intact? (Yes) No

Chrysler Corporation 800 Chrysler Drive CIMS 482-00-51 Auburn Hills Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink Retained by sampler

MWT070799

7/7/99	—	—	0	1	X

SDG-240B

Revised September 1993

EPA Region 5 Records Ctr
349987

KEMRON Environmental Services
109 Starlite Park
Marietta Ohio 45750
Phone (740) 373-4071

CompuChem
501 Madison Avenue
Cary NC 27513

Attention Diane Byrd

PO Number
Account Number COMPUCHEM-529

Login # L9907154
Report Date 07/23/99
Work ID SC001/DAYTON THERMAL PRODUCTS
Date Received 07/09/99

SAMPLE IDENTIFICATION

Sample Number	Sample Description	Sample Number	Sample Description
L9907154 01	MW008S	L9907154-02	PZ008I
L9907154-03	PZ008D	L9907154-04	PZ010I
L9907154 05	MW010S	L9907154-06	PZ009D
L9907154-07	MW011S	L9907154-08	MW011S/DUP
L9907154-09	MWC003	L9907154-10	MWB003
L9907154-11	MWE070899	L9907154-12	MWT070899
L9907154-13	WL0003		

All results on solids/sludges are reported on a dry weight basis where applicable unless otherwise specified This report shall not be reproduced except in full without the written approval of KEMRON

NYSDOH ELAP ID 10861

Certified By
Dennis S Tepe

KEMRON
ENVIRONMENTAL SERVICES

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

VOLATILE ORGANICS - 8260:

The following dilution analyses had surrogate standards recoveries above the upper control limit:

Lab ID	Client ID
L9907154 01	MW008S
L9907154 05	MW010S

Dilution results for the above may be considered bias high

Login #L9907154
July 23 1999 03 37 pm

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 Volatile Organics

Lab Sample ID	L9907154-01	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MW008S	COC Info	04978/	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS8	Method	8260A
Extract Date	N/A	Analyst	MES	Run ID	R70244
Analysis Date	07/16/99 Time 19 13	Lab File ID	8M9708	Batch	WG61121

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67 64-1	Acetone	ug/L		ND	100	1
71-43 2	Benzene	ug/L		ND	5 0	1
108 86 1	Bromobenzene	ug/L		ND	5 0	1
74 97 5	Bromochloromethane	ug/L		ND	5 0	1
75 27 4	Bromodichloromethane	ug/L		ND	5 0	1
75 25 2	Bromoform	ug/L		ND	5 0	1
74 83-9	Bromomethane	ug/L		ND	10	1
78 93-3	2-Butanone	ug/L		ND	100	1
104 51-8	n-Butylbenzene	ug/L		ND	5 0	1
135 98-8	sec-Butylbenzene	ug/L		ND	5 0	1
98 06 6	tert Butylbenzene	ug/L		ND	5 0	1
75-15-0	Carbon disulfide	ug/L		ND	5 0	1
56 23 5	Carbon tetrachloride	ug/L		ND	5 0	1
108 90-7	Chlorobenzene	ug/L		ND	5 0	1
124-48-1	Chlorodibromomethane	ug/L		ND	5 0	1
75 00 3	Chloroethane	ug/L		ND	10	1
110 75-8	2-Chloroethyl vinyl ether	ug/L		ND	10	1
67 66-3	Chloroform	ug/L		ND	5 0	1
74 87 3	Chloromethane	ug/L		ND	10	1
95-49 8	2 Chlorotoluene	ug/L		ND	5 0	1
106 43 4	4-Chlorotoluene	ug/L		ND	5 0	1
96 12-8	1 2-Dibromo-3-chloropropane	ug/L		ND	5 0	1
106 93-4	1 2 Dibromoethane	ug/L		ND	5 0	1
74 95-3	Dibromomethane	ug/L		ND	5 0	1
95-50 1	1 2-Dichlorobenzene	ug/L		ND	5 0	1
541 73 1	1 3 Dichlorobenzene	ug/L		ND	5 0	1
106 46-7	1,4 Dichlorobenzene	ug/L		ND	5 0	1
75 71-8	Dichlorodifluoromethane	ug/L		ND	10	1
75 34-3	1 1 Dichloroethane	ug/L		ND	5 0	1
107 06-2	1 2 Dichloroethane	ug/L		ND	5 0	1
75-35-4	1 1 Dichloroethene	ug/L		ND	5 0	1
156 59 2	cis 1 2 Dichloroethene	ug/L	9 3		5 0	1
156 60 5	trans-1 2-Dichloroethene	ug/L		ND	5 0	1
78 87 5	1 2-Dichloropropane	ug/L		ND	5 0	1
142 28-9	1 3-Dichloropropane	ug/L		ND	5 0	1
594 20-7	2 2 Dichloropropane	ug/L		ND	5 0	1
10061 01-5	cis-1 3 Dichloropropene	ug/L		ND	5 0	1
10061 02-6	trans-1 3-Dichloropropene	ug/L		ND	5 0	1
563 58-6	1 1-Dichloropropene	ug/L		ND	5 0	1

RL Reporting Limit

Login #L9907154
July 23 1999 03 37 pm

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-01	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MW008S	COC Info	04978/	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS8	Method	8260A
Extract Date	N/A	Analyst	MES	Run ID	R70244
Analysis Date	07/16/99 Time 19 13	Lab File ID	8M9708	Batch	WG61121

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100 41 4	Ethylbenzene	ug/L		ND	5 0	1
	n-Hexane	ug/L		ND	10	1
591-78-6	2-Hexanone	ug/L		ND	10	1
87-68-3	Hexachlorobutadiene	ug/L		ND	5 0	1
98 82-8	Isopropylbenzene	ug/L		ND	5 0	1
99-87-6	p-Isopropyltoluene	ug/L		ND	5 0	1
108-10-1	4 Methyl-2-pentanone	ug/L		ND	10	1
75-09-2	Methylene chloride	ug/L		ND	5 0	1
91-20-3	Naphthalene	ug/L		ND	10	1
103-65-1	n Propylbenzene	ug/L		ND	5 0	1
100-42-5	Styrene	ug/L		ND	5 0	1
630 20-6	1 1 1 2-Tetrachloroethane	ug/L		ND	5 0	1
79-34 5	1 1 2 2-Tetrachloroethane	ug/L		ND	5 0	1
127-18-4	Tetrachloroethene	ug/L	720	D	50	10
108 88-3	Toluene	ug/L		ND	5 0	1
87 61-6	1 2 3-Trichlorobenzene	ug/L		ND	5 0	1
120 82 1	1 2 4-Trichlorobenzene	ug/L		ND	5 0	1
71-55-6	1 1 1-Trichloroethane	ug/L	6 9		5 0	1
79-00-5	1 1 2-Trichloroethane	ug/L		ND	5 0	1
79-01-6	Trichloroethene	ug/L	350	D	50	10
75-69-4	Trichlorofluoromethane	ug/L		ND	10	1
96 18-4	1 2 3-Trichloropropane	ug/L		ND	5 0	1
95 63-6	1 2 4-Trimethylbenzene	ug/L		ND	5 0	1
108-67-8	1,3 5-Trimethylbenzene	ug/L		ND	5 0	1
108 05 4	Vinyl acetate	ug/L		ND	10	1
75 01-4	Vinyl chloride	ug/L		ND	2 0	1
95 47-6	o-Xylene	ug/L		ND	5 0	1
108-38-3	m-Xylene	ug/L		ND	5 0	1
106 42-3	p-Xylene	ug/L		ND	5 0	1

SURROGATES- In Percent Recovery:

Dibromofluoromethane	112	(86 - 118%)
1 2-Dichloroethane-d4	118	(80 - 120%)
Toluene-d8	105	(88 - 110%)
4-Bromofluorobenzene	113	(86 - 115%)

RL Reporting Limit

Login #L9907154
July 23 1999 03 37 pm

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-02	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	PZ008I	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS8	Method	8260A
Extract Date	N/A	Analyst	MES	Run ID	R70312
Analysis Date	07/16/99 Time 19 45	Lab File ID	8M9709	Batch	WG61121

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67 64 1	Acetone	ug/L		ND	100	1
71 43-2	Benzene	ug/L		ND	5 0	1
108-86 1	Bromobenzene	ug/L		ND	5 0	1
74 97 5	Bromochloromethane	ug/L		ND	5 0	1
75-27-4	Bromodichloromethane	ug/L		ND	5 0	1
75 25-2	Bromoform	ug/L		ND	5 0	1
74-83 9	Bromomethane	ug/L		ND	10	1
78 93-3	2-Butanone	ug/L		ND	100	1
104 51 8	n Butylbenzene	ug/L		ND	5 0	1
135-98 8	sec-Butylbenzene	ug/L		ND	5 0	1
98-06-6	tert-Butylbenzene	ug/L		ND	5 0	1
75-15-0	Carbon disulfide	ug/L		ND	5 0	1
56-23-5	Carbon tetrachloride	ug/L		ND	5 0	1
108-90 7	Chlorobenzene	ug/L		ND	5 0	1
124-48 1	Chlorodibromomethane	ug/L		ND	5 0	1
75 00 3	Chloroethane	ug/L		ND	10	1
110 75 8	2-Chloroethyl vinyl ether	ug/L		ND	10	1
67 66 3	Chloroform	ug/L		ND	5 0	1
74 87-3	Chloromethane	ug/L		ND	10	1
95 49-8	2 Chlorotoluene	ug/L		ND	5 0	1
106 43 4	4 Chlorotoluene	ug/L		ND	5 0	1
96 12 8	1 2-Dibromo-3-chloropropane	ug/L		ND	5 0	1
106 93-4	1 2-Dibromoethane	ug/L		ND	5 0	1
74 95-3	Dibromomethane	ug/L		ND	5 0	1
95 50-1	1 2-Dichlorobenzene	ug/L		ND	5 0	1
541 73-1	1 3-Dichlorobenzene	ug/L		ND	5 0	1
106-46-7	1 4-Dichlorobenzene	ug/L		ND	5 0	1
75-71-8	Dichlorodifluoromethane	ug/L		ND	10	1
75-34-3	1 1-Dichloroethane	ug/L	61		5 0	1
107 06 2	1 2-Dichloroethane	ug/L		ND	5 0	1
75 35-4	1 1-Dichloroethene	ug/L	9 2		5 0	1
156 59-2	cis-1 2 Dichloroethene	ug/L	470	D	50	10
156-60-5	trans-1 2-Dichloroethene	ug/L	26		5 0	1
78 87-5	1 2-Dichloropropane	ug/L		ND	5 0	1
142 28 9	1 3-Dichloropropane	ug/L		ND	5 0	1
594 20-7	2 2-Dichloropropane	ug/L		ND	5 0	1
10061 01 5	cis-1 3-Dichloropropene	ug/L		ND	5 0	1
10061-02-6	trans-1 3-Dichloropropene	ug/L		ND	5 0	1
563-58-6	1 1-Dichloropropene	ug/L		ND	5 0	1

RL Reporting Limit

Login #L9907154
July 23 1999 03 37 pm

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-02	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	PZ008I	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS8	Method	8260A
Extract Date	N/A	Analyst	MES	Run ID	R70312
Analysis Date	07/16/99 Time 19 45	Lab File ID	8M9709	Batch	WG61121

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100 41 4	Ethylbenzene	ug/L		ND	5 0	1
	n-Hexane	ug/L		ND	10	1
591 78-6	2-Hexanone	ug/L		ND	10	1
87-68 3	Hexachlorobutadiene	ug/L		ND	5 0	1
98 82 8	Isopropylbenzene	ug/L		ND	5 0	1
99-87-6	p-Isopropyltoluene	ug/L		ND	5 0	1
108-10-1	4 Methyl-2-pentanone	ug/L		ND	10	1
75-09-2	Methylene chloride	ug/L		ND	5 0	1
91-20-3	Naphthalene	ug/L		ND	10	1
103-65-1	n-Propylbenzene	ug/L		ND	5 0	1
100-42-5	Styrene	ug/L		ND	5 0	1
630-20 6	1 1 1 2-Tetrachloroethane	ug/L		ND	5 0	1
79-34-5	1 1 2 2-Tetrachloroethane	ug/L		ND	5 0	1
127-18-4	Tetrachloroethene	ug/L	7000	D	500	100
108-88-3	Toluene	ug/L		ND	5 0	1
87-61-6	1 2 3 Trichlorobenzene	ug/L		ND	5 0	1
120 82-1	1 2 4-Trichlorobenzene	ug/L		ND	5 0	1
71-55 6	1 1 1-Trichloroethane	ug/L	58		5 0	1
79 00 5	1 1 2-Trichloroethane	ug/L		ND	5 0	1
79 01 6	Trichloroethene	ug/L	5600	D	500	100
75-69 4	Trichlorofluoromethane	ug/L		ND	10	1
96 18 4	1 2 3-Trichloropropane	ug/L		ND	5 0	1
95-63 6	1 2 4-Trimethylbenzene	ug/L		ND	5 0	1
108 67-8	1 3 5-Trimethylbenzene	ug/L		ND	5 0	1
108-05 4	Vinyl acetate	ug/L		ND	10	1
75-01 4	Vinyl chloride	ug/L	79		2 0	1
95-47 6	o-Xylene	ug/L		ND	5 0	1
108 38 3	m-Xylene	ug/L		ND	5 0	1
106-42 3	p Xylene	ug/L		ND	5 0	1

SURROGATES- In Percent Recovery:

Dibromofluoromethane	111	(86 118%)
1 2 Dichloroethane-d4	117	(80 120%)
Toluene-d8	103	(88 110%)
4 Bromofluorobenzene	111	(86 - 115%)

RL - Reporting Limit

Login #L9907154
July 23 1999 03 37 pm

KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-03	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	PZ008D	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R70259
Analysis Date	07/21/99 Time 13 13	Lab File ID	9M4206	Batch	WG61281

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67 64 1	Acetone	ug/L		ND	100	1
71 43 2	Benzene	ug/L		ND	5 0	1
108 86-1	Bromobenzene	ug/L		ND	5 0	1
74-97 5	Bromochloromethane	ug/L		ND	5 0	1
75 27 4	Bromodichloromethane	ug/L		ND	5 0	1
75 25-2	Bromoform	ug/L		ND	5 0	1
74 83 9	Bromomethane	ug/L		ND	10	1
78 93-3	2-Butanone	ug/L		ND	100	1
104-51-8	n-Butylbenzene	ug/L		ND	5 0	1
135 98-8	sec-Butylbenzene	ug/L		ND	5 0	1
98-06 6	tert-Butylbenzene	ug/L		ND	5 0	1
75-15-0	Carbon disulfide	ug/L		ND	5 0	1
56-23-5	Carbon tetrachloride	ug/L		ND	5 0	1
108 90 7	Chlorobenzene	ug/L		ND	5 0	1
124-48 1	Chlorodibromomethane	ug/L		ND	5 0	1
75-00-3	Chloroethane	ug/L		ND	10	1
110 75 8	2-Chloroethyl vinyl ether	ug/L		ND	10	1
67-66 3	Chloroform	ug/L		ND	5 0	1
74-87 3	Chloromethane	ug/L		ND	10	1
95-49-8	2-Chlorotoluene	ug/L		ND	5 0	1
106 43 4	4-Chlorotoluene	ug/L		ND	5 0	1
96-12 8	1 2-Dibromo-3-chloropropane	ug/L		ND	5 0	1
106 93 4	1 2-Dibromoethane	ug/L		ND	5 0	1
74 95-3	Dibromomethane	ug/L		ND	5 0	1
95-50 1	1 2-Dichlorobenzene	ug/L		ND	5 0	1
541 73 1	1 3-Dichlorobenzene	ug/L		ND	5 0	1
106-46 7	1 4-Dichlorobenzene	ug/L		ND	5 0	1
75-71 8	Dichlorodifluoromethane	ug/L		ND	10	1
75 34-3	1 1-Dichloroethane	ug/L	5 6		5 0	1
107 06 2	1 2-Dichloroethane	ug/L		ND	5 0	1
75 35 4	1 1-Dichloroethene	ug/L		ND	5 0	1
156 59-2	cis-1 2-Dichloroethene	ug/L	9 3		5 0	1
156 60 5	trans 1 2-Dichloroethene	ug/L		ND	5 0	1
78 87-5	1 2-Dichloropropane	ug/L		ND	5 0	1
142 28-9	1 3-Dichloropropane	ug/L		ND	5 0	1
594-20 7	2 2-Dichloropropane	ug/L		ND	5 0	1
10061-01 5	cis-1 3-Dichloropropene	ug/L		ND	5 0	1
10061 02 6	trans-1 3-Dichloropropene	ug/L		ND	5 0	1
563 58-6	1 1-Dichloropropene	ug/L		ND	5 0	1

RL Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-03	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	PZ008D	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R70259
Analysis Date	07/21/99 Time 13 13	Lab File ID	9M4206	Batch	WG61281

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100-41-4	Ethylbenzene	ug/L		ND	5 0	1
	n Hexane	ug/L		ND	10	1
591-78 6	2-Hexanone	ug/L		ND	10	1
87 68 3	Hexachlorobutadiene	ug/L		ND	5 0	1
98-82 8	Isopropylbenzene	ug/L		ND	5 0	1
99-87 6	p-Isopropyltoluene	ug/L		ND	5 0	1
108-10-1	4-Methyl-2-pentanone	ug/L		ND	10	1
75 09-2	Methylene chloride	ug/L		ND	5 0	1
91-20-3	Naphthalene	ug/L		ND	10	1
103-65-1	n Propylbenzene	ug/L		ND	5 0	1
100-42-5	Styrene	ug/L		ND	5 0	1
630 20-6	1 1 1 2 Tetrachloroethane	ug/L		ND	5 0	1
79-34 5	1 1 2 2-Tetrachloroethane	ug/L		ND	5 0	1
127-18-4	Tetrachloroethene	ug/L	11		5 0	1
108-88-3	Toluene	ug/L		ND	5 0	1
87 61-6	1 2 3-Trichlorobenzene	ug/L		ND	5 0	1
120 82-1	1 2 4-Trichlorobenzene	ug/L		ND	5 0	1
71-55-6	1 1 1-Trichloroethane	ug/L	12		5 0	1
79-00-5	1 1 2-Trichloroethane	ug/L		ND	5 0	1
79 01-6	Trichloroethene	ug/L	16		5 0	1
75-69-4	Trichlorofluoromethane	ug/L		ND	10	1
96-18-4	1 2 3-Trichloropropane	ug/L		ND	5 0	1
95-63-6	1 2 4-Trimethylbenzene	ug/L		ND	5 0	1
108 67 8	1 3 5-Trimethylbenzene	ug/L		ND	5 0	1
108-05-4	Vinyl acetate	ug/L		ND	10	1
75 01 4	Vinyl chloride	ug/L		ND	2 0	1
95-47-6	o-Xylene	ug/L		ND	5 0	1
108-38 3	m-Xylene	ug/L		ND	5 0	1
106-42 3	p-Xylene	ug/L		ND	5 0	1

SURROGATES- In Percent Recovery:

Dibromofluoromethane	109	(86 118%)
1 2 Dichloroethane-d4	109	(80 - 120%)
Toluene d8	99 4	(88 110%)
4 Bromofluorobenzene	96 8	(86 - 115%)

RL Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-04	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	PZ010I	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R70259
Analysis Date	07/21/99 Time 13 49	Lab File ID	9M4207	Batch	WG61281

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67 64-1	Acetone	ug/L		ND	1000	10
71-43-2	Benzene	ug/L		ND	50	10
108-86 1	Bromobenzene	ug/L		ND	50	10
74-97-5	Bromochloromethane	ug/L		ND	50	10
75-27 4	Bromodichloromethane	ug/L		ND	50	10
75 25 2	Bromoform	ug/L		ND	50	10
74-83 9	Bromomethane	ug/L		ND	100	10
78-93 3	2-Butanone	ug/L		ND	1000	10
104-51 8	n-Butylbenzene	ug/L		ND	50	10
135-98-8	sec Butylbenzene	ug/L		ND	50	10
98-06-6	tert-Butylbenzene	ug/L		ND	50	10
75-15 0	Carbon disulfide	ug/L		ND	50	10
56-23 5	Carbon tetrachloride	ug/L		ND	50	10
108-90 7	Chlorobenzene	ug/L		ND	50	10
124-48 1	Chlorodibromomethane	ug/L		ND	50	10
75-00-3	Chloroethane	ug/L		ND	100	10
110 75 8	2-Chloroethyl vinyl ether	ug/L		ND	100	10
67-66 3	Chloroform	ug/L		ND	50	10
74-87-3	Chloromethane	ug/L		ND	100	10
95 49-8	2-Chlorotoluene	ug/L		ND	50	10
106 43 4	4-Chlorotoluene	ug/L		ND	50	10
96-12 8	1 2-Dibromo-3-chloropropane	ug/L		ND	50	10
106 93 4	1 2-Dibromoethane	ug/L		ND	50	10
74 95-3	Dibromomethane	ug/L		ND	50	10
95-50 1	1 2 Dichlorobenzene	ug/L		ND	50	10
541 73 1	1 3-Dichlorobenzene	ug/L		ND	50	10
106-46-7	1,4-Dichlorobenzene	ug/L		ND	50	10
75 71 8	Dichlorodifluoromethane	ug/L		ND	100	10
75 34-3	1 1-Dichloroethane	ug/L		ND	50	10
107 06 2	1 2-Dichloroethane	ug/L		ND	50	10
75-35-4	1 1-Dichloroethene	ug/L		ND	50	10
156 59-2	cis-1 2-Dichloroethene	ug/L	2300	D	500	100
156 60-5	trans-1 2-Dichloroethene	ug/L		ND	50	10
78 87-5	1 2-Dichloropropane	ug/L		ND	50	10
142 28 9	1 3-Dichloropropane	ug/L		ND	50	10
594-20 7	2 2-Dichloropropane	ug/L		ND	50	10
10061-01 5	cis-1 3-Dichloropropene	ug/L		ND	50	10
10061 02-6	trans-1 3-Dichloropropene	ug/L		ND	50	10
563 58-6	1 1-Dichloropropene	ug/L		ND	50	10

RL = Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-04	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	PZ010I	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R70259
Analysis Date	07/21/99 Time 13 49	Lab File ID	9M4207	Batch	WG61281

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100-41-4	Ethylbenzene	ug/L		ND	50	10
	n-Hexane	ug/L		ND	100	10
591-78-6	2-Hexanone	ug/L		ND	100	10
87-68-3	Hexachlorobutadiene	ug/L		ND	50	10
98-82-8	Isopropylbenzene	ug/L		ND	50	10
99-87-6	p-Isopropyltoluene	ug/L		ND	50	10
108 10 1	4-Methyl 2-pentanone	ug/L		ND	100	10
75 09 2	Methylene chloride	ug/L		ND	50	10
91-20 3	Naphthalene	ug/L		ND	100	10
103-65-1	n-Propylbenzene	ug/L		ND	50	10
100 42 5	Styrene	ug/L		ND	50	10
630 20-6	1 1 1 2-Tetrachloroethane	ug/L		ND	50	10
79-34-5	1 1 2 2 Tetrachloroethane	ug/L		ND	50	10
127-18-4	Tetrachloroethene	ug/L		ND	50	10
108-88-3	Toluene	ug/L		ND	50	10
87 61-6	1 2 3-Trichlorobenzene	ug/L		ND	50	10
120-82-1	1 2 4-Trichlorobenzene	ug/L		ND	50	10
71 55-6	1 1 1-Trichloroethane	ug/L		ND	50	10
79-00 5	1 1 2 Trichloroethane	ug/L		ND	50	10
79-01 6	Trichloroethene	ug/L	5100	D	500	100
75-69-4	Trichlorofluoromethane	ug/L		ND	100	10
96 18 4	1 2 3-Trichloropropane	ug/L		ND	50	10
95-63 6	1 2 4-Trimethylbenzene	ug/L		ND	50	10
108-67 8	1,3 5-Trimethylbenzene	ug/L		ND	50	10
108-05-4	Vinyl acetate	ug/L		ND	100	10
75 01 4	Vinyl chloride	ug/L		ND	20	10
95 47 6	o-Xylene	ug/L		ND	50	10
108-38 3	m-Xylene	ug/L		ND	50	10
106 42 3	p-Xylene	ug/L		ND	50	10

SURROGATES- In Percent Recovery:

Dibromofluoromethane	109	(86 - 118%)
1 2-Dichloroethane-d4	108	(80 - 120%)
Toluene-d8	101	(88 - 110%)
4-Bromofluorobenzene	99 2	(86 - 115%)

RL Reporting Limit

Login #L9907154
July 23 1999 03 37 pm

KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-05	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MW010S	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS8	Method	8260A
Extract Date	N/A	Analyst	MES	Run ID	R70314
Analysis Date	07/16/99 Time 21 18	Lab File ID	8M9712	Batch	WG61121

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67-64-1	Acetone	ug/L		ND	100	1
71-43-2	Benzene	ug/L		ND	5 0	1
108-86-1	Bromobenzene	ug/L		ND	5 0	1
74-97 5	Bromochloromethane	ug/L		ND	5 0	1
75-27-4	Bromodichloromethane	ug/L		ND	5 0	1
75-25-2	Bromoform	ug/L		ND	5 0	1
74-83 9	Bromomethane	ug/L		ND	10	1
78-93 3	2-Butanone	ug/L		ND	100	1
104-51-8	n-Butylbenzene	ug/L		ND	5 0	1
135-98-8	sec-Butylbenzene	ug/L		ND	5 0	1
98-06-6	tert-Butylbenzene	ug/L		ND	5 0	1
75 15-0	Carbon disulfide	ug/L		ND	5 0	1
56 23-5	Carbon tetrachloride	ug/L		ND	5 0	1
108-90-7	Chlorobenzene	ug/L		ND	5 0	1
124 48-1	Chlorodibromomethane	ug/L		ND	5 0	1
75 00-3	Chloroethane	ug/L	8 1		10	1
110 75-8	2-Chloroethyl vinyl ether	ug/L		ND	10	1
67 66 3	Chloroform	ug/L		ND	5 0	1
74-87-3	Chloromethane	ug/L		ND	10	1
95-49-8	2-Chlorotoluene	ug/L		ND	5 0	1
106-43-4	4-Chlorotoluene	ug/L		ND	5 0	1
96-12-8	1 2-Dibromo-3-chloropropane	ug/L		ND	5 0	1
106-93-4	1 2-Dibromoethane	ug/L		ND	5 0	1
74-95-3	Dibromomethane	ug/L		ND	5 0	1
95 50-1	1 2-Dichlorobenzene	ug/L		ND	5 0	1
541 73-1	1 3-Dichlorobenzene	ug/L		ND	5 0	1
106-46-7	1 4-Dichlorobenzene	ug/L		ND	5 0	1
75-71-8	Dichlorodifluoromethane	ug/L		ND	10	1
75 34-3	1 1-Dichloroethane	ug/L	91		5 0	1
107-06-2	1 2-Dichloroethane	ug/L		ND	5 0	1
75-35 4	1 1-Dichloroethene	ug/L	97		5 0	1
156-59-2	cis-1 2-Dichloroethene	ug/L	1300	D	50	10
156-60-5	trans-1 2-Dichloroethene	ug/L	19		5 0	1
78-87-5	1 2-Dichloropropane	ug/L		ND	5 0	1
142-28-9	1 3-Dichloropropane	ug/L		ND	5 0	1
594-20-7	2 2-Dichloropropane	ug/L		ND	5 0	1
10061 01-5	cis-1 3-Dichloropropene	ug/L		ND	5 0	1
10061 02-6	trans-1 3-Dichloropropene	ug/L		ND	5 0	1
563 58-6	1 1-Dichloropropene	ug/L		ND	5 0	1

RL Reporting Limit

Login #L9907154
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KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-05	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MW010S	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS8	Method	8260A
Extract Date	N/A	Analyst	MES	Run ID	R70314
Analysis Date	07/16/99 Time 21 18	Lab File ID	8M9712	Batch	WG61121

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100-41-4	Ethylbenzene	ug/L		ND	5 0	1
	n-Hexane	ug/L		ND	10	1
591 78-6	2-Hexanone	ug/L		ND	10	1
87-68-3	Hexachlorobutadiene	ug/L		ND	5 0	1
98 82-8	Isopropylbenzene	ug/L		ND	5 0	1
99 87-6	p-Isopropyltoluene	ug/L		ND	5 0	1
108 10-1	4-Methyl-2-pentanone	ug/L		ND	10	1
75 09-2	Methylene chloride	ug/L		ND	5 0	1
91-20-3	Naphthalene	ug/L		ND	10	1
103-65-1	n-Propylbenzene	ug/L		ND	5 0	1
100-42-5	Styrene	ug/L		ND	5 0	1
630-20 6	1 1 1 2-Tetrachloroethane	ug/L		ND	5 0	1
79-34-5	1 1 2 2-Tetrachloroethane	ug/L		ND	5 0	1
127-18-4	Tetrachloroethene	ug/L		ND	5 0	1
108-88 3	Toluene	ug/L		ND	5 0	1
87 61 6	1,2 3-Trichlorobenzene	ug/L		ND	5 0	1
120-82-1	1 2 4-Trichlorobenzene	ug/L		ND	5 0	1
71-55-6	1 1,1-Trichloroethane	ug/L	320	D	50	10
79-00-5	1 1 2-Trichloroethane	ug/L	5 3		5 0	1
79 01-6	Trichloroethene	ug/L	10000	D	500	100
75 69-4	Trichlorofluoromethane	ug/L		ND	10	1
96-18-4	1 2 3-Trichloropropane	ug/L		ND	5 0	1
95-63-6	1 2 4-Trimethylbenzene	ug/L		ND	5 0	1
108 67-8	1,3 5-Trimethylbenzene	ug/L		ND	5 0	1
108 05-4	Vinyl acetate	ug/L		ND	10	1
75-01-4	Vinyl chloride	ug/L	46		2 0	1
95-47-6	o-Xylene	ug/L		ND	5 0	1
108 38-3	m-Xylene	ug/L		ND	5 0	1
106-42-3	p-Xylene	ug/L		ND	5 0	1

SURROGATES- In Percent Recovery:

Dibromofluoromethane	111	(86 - 118%)
1 2-Dichloroethane-d4	117	(80 - 120%)
Toluene-d8	103	(88 - 110%)
4-Bromofluorobenzene	111	(86 - 115%)

RL Reporting Limit

Login #L9907154
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KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-06	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	PZ009D	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R70259
Analysis Date	07/21/99 Time 15 39	Lab File ID	9M4210	Batch	WG61281

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67 64-1	Acetone	ug/L		ND	100	1
71 43-2	Benzene	ug/L		ND	5 0	1
108 86-1	Bromobenzene	ug/L		ND	5 0	1
74-97-5	Bromochloromethane	ug/L		ND	5 0	1
75-27-4	Bromodichloromethane	ug/L		ND	5 0	1
75 25-2	Bromoform	ug/L		ND	5 0	1
74-83-9	Bromomethane	ug/L		ND	10	1
78-93-3	2-Butanone	ug/L		ND	100	1
104-51-8	n-Butylbenzene	ug/L		ND	5 0	1
135 98-8	sec-Butylbenzene	ug/L		ND	5 0	1
98-06-6	tert-Butylbenzene	ug/L		ND	5 0	1
75-15-0	Carbon disulfide	ug/L		ND	5 0	1
56-23-5	Carbon tetrachloride	ug/L		ND	5 0	1
108 90-7	Chlorobenzene	ug/L		ND	5 0	1
124-48-1	Chlorodibromomethane	ug/L		ND	5 0	1
75-00-3	Chloroethane	ug/L		ND	10	1
110 75-8	2-Chloroethyl vinyl ether	ug/L		ND	10	1
67-66-3	Chloroform	ug/L		ND	5 0	1
74 87-3	Chloromethane	ug/L		ND	10	1
95 49-8	2-Chlorotoluene	ug/L		ND	5 0	1
106-43-4	4-Chlorotoluene	ug/L		ND	5 0	1
96 12-8	1 2-Dibromo-3-chloropropane	ug/L		ND	5 0	1
106-93-4	1 2-Dibromoethane	ug/L		ND	5 0	1
74-95-3	Dibromomethane	ug/L		ND	5 0	1
95-50-1	1 2-Dichlorobenzene	ug/L		ND	5 0	1
541-73-1	1 3-Dichlorobenzene	ug/L		ND	5 0	1
106-46 7	1,4-Dichlorobenzene	ug/L		ND	5 0	1
75 71-8	Dichlorodifluoromethane	ug/L		ND	10	1
75-34-3	1 1-Dichloroethane	ug/L		ND	5 0	1
107-06 2	1 2-Dichloroethane	ug/L		ND	5 0	1
75-35-4	1 1-Dichloroethene	ug/L		ND	5 0	1
156-59-2	cis-1 2-Dichloroethene	ug/L	89		5 0	1
156-60-5	trans-1 2-Dichloroethene	ug/L	5 0		5 0	1
78-87-5	1 2-Dichloropropane	ug/L		ND	5 0	1
142-28-9	1 3-Dichloropropane	ug/L		ND	5 0	1
594-20-7	2,2-Dichloropropane	ug/L		ND	5 0	1
10061-01-5	cis-1 3-Dichloropropene	ug/L		ND	5 0	1
10061-02-6	trans-1 3-Dichloropropene	ug/L		ND	5 0	1
563-58-6	1 1-Dichloropropene	ug/L		ND	5 0	1

RL = Reporting Limit

Login #L9907154
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KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-06	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	PZ009D	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R70259
Analysis Date	07/21/99 Time 15 39	Lab File ID	9M4210	Batch	WG61281

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100-41-4	Ethylbenzene	ug/L		ND	5 0	1
	n-Hexane	ug/L		ND	10	1
591-78 6	2-Hexanone	ug/L		ND	10	1
87 68 3	Hexachlorobutadiene	ug/L		ND	5 0	1
98-82 8	Isopropylbenzene	ug/L		ND	5 0	1
99-87-6	p-Isopropyltoluene	ug/L		ND	5 0	1
108 10-1	4-Methyl-2-pentanone	ug/L		ND	10	1
75-09-2	Methylene chloride	ug/L		ND	5 0	1
91-20 3	Naphthalene	ug/L		ND	10	1
103-65-1	n Propylbenzene	ug/L		ND	5 0	1
100-42-5	Styrene	ug/L		ND	5 0	1
630-20-6	1 1 1 2-Tetrachloroethane	ug/L		ND	5 0	1
79-34-5	1 1 2 2-Tetrachloroethane	ug/L		ND	5 0	1
127-18-4	Tetrachloroethene	ug/L		ND	5 0	1
108-88-3	Toluene	ug/L	6 5		5 0	1
87-61-6	1 2 3-Trichlorobenzene	ug/L		ND	5 0	1
120-82 1	1 2 4-Trichlorobenzene	ug/L		ND	5 0	1
71-55-6	1 1 1-Trichloroethane	ug/L		ND	5 0	1
79-00 5	1 1 2-Trichloroethane	ug/L		ND	5 0	1
79-01 6	Trichloroethene	ug/L	1000	D	50	10
75-69-4	Trichlorofluoromethane	ug/L		ND	10	1
96-18 4	1 2 3-Trichloropropane	ug/L		ND	5 0	1
95-63-6	1 2 4-Trimethylbenzene	ug/L		ND	5 0	1
108-67-8	1,3 5-Trimethylbenzene	ug/L		ND	5 0	1
108-05 4	Vinyl acetate	ug/L		ND	10	1
75-01-4	Vinyl chloride	ug/L	7 3		2 0	1
95-47-6	o-Xylene	ug/L		ND	5 0	1
108-38-3	m-Xylene	ug/L	6 7	Z	5 0	1
106-42-3	p-Xylene	ug/L		Z	5 0	1

SURROGATES- In Percent Recovery:

Dibromofluoromethane	108	(86 - 118%)
1 2-Dichloroethane-d4	109	(80 - 120%)
Toluene-d8	100	(88 - 110%)
4-Bromofluorobenzene	95 9	(86 115%)

RL = Reporting Limit

Login #L9907154
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KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-07	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MW011S	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS8	Method	8260A
Extract Date	N/A	Analyst	MES	Run ID	R70244
Analysis Date	07/16/99 Time 22 20	Lab File ID	8M9714	Batch	WG61121

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67-64-1	Acetone	ug/L		ND	100	1
71-43-2	Benzene	ug/L		ND	5 0	1
108 86 1	Bromobenzene	ug/L		ND	5 0	1
74 97-5	Bromochloromethane	ug/L		ND	5 0	1
75 27-4	Bromodichloromethane	ug/L		ND	5 0	1
75 25-2	Bromoform	ug/L		ND	5 0	1
74 83-9	Bromomethane	ug/L		ND	10	1
78 93-3	2 Butanone	ug/L		ND	100	1
104-51-8	n Butylbenzene	ug/L		ND	5 0	1
135-98-8	sec-Butylbenzene	ug/L		ND	5 0	1
98-06-6	tert-Butylbenzene	ug/L		ND	5 0	1
75 15-0	Carbon disulfide	ug/L		ND	5 0	1
56-23 5	Carbon tetrachloride	ug/L		ND	5 0	1
108-90-7	Chlorobenzene	ug/L		ND	5 0	1
124-48-1	Chlorodibromomethane	ug/L		ND	5 0	1
75-00-3	Chloroethane	ug/L		ND	10	1
110-75-8	2-Chloroethyl vinyl ether	ug/L		ND	10	1
67-66-3	Chloroform	ug/L		ND	5 0	1
74-87 3	Chloromethane	ug/L		ND	10	1
95-49-8	2-Chlorotoluene	ug/L		ND	5 0	1
106-43-4	4-Chlorotoluene	ug/L		ND	5 0	1
96-12-8	1 2-Dibromo-3-chloropropane	ug/L		ND	5 0	1
106-93-4	1 2-Dibromoethane	ug/L		ND	5 0	1
74-95 3	Dibromomethane	ug/L		ND	5 0	1
95-50-1	1 2-Dichlorobenzene	ug/L		ND	5 0	1
541-73 1	1,3-Dichlorobenzene	ug/L		ND	5 0	1
106-46 7	1,4-Dichlorobenzene	ug/L		ND	5 0	1
75-71-8	Dichlorodifluoromethane	ug/L		ND	10	1
75-34-3	1 1-Dichloroethane	ug/L	23		5 0	1
107-06-2	1 2-Dichloroethane	ug/L		ND	5 0	1
75-35-4	1 1-Dichloroethene	ug/L	14		5 0	1
156-59-2	cis-1 2-Dichloroethene	ug/L	300	D	50	10
156-60-5	trans-1 2-Dichloroethene	ug/L	5 9		5 0	1
78-87-5	1 2-Dichloropropane	ug/L		ND	5 0	1
142-28 9	1 3-Dichloropropane	ug/L		ND	5 0	1
594-20 7	2 2-Dichloropropane	ug/L		ND	5 0	1
10061-01-5	cis-1 3-Dichloropropene	ug/L		ND	5 0	1
10061-02 6	trans-1 3-Dichloropropene	ug/L		ND	5 0	1
563-58 6	1 1-Dichloropropene	ug/L		ND	5 0	1

RL Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-07	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MW011S	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS8	Method	8260A
Extract Date	N/A	Analyst	MES	Run ID	R70244
Analysis Date	07/16/99 Time 22 20	Lab File ID	8M9714	Batch	WG61121

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100-41-4	Ethylbenzene	ug/L		ND	5 0	1
	n-Hexane	ug/L		ND	10	1
591-78-6	2-Hexanone	ug/L		ND	10	1
87-68-3	Hexachlorobutadiene	ug/L		ND	5 0	1
98-82-8	Isopropylbenzene	ug/L		ND	5 0	1
99-87-6	p-Isopropyltoluene	ug/L		ND	5 0	1
108-10-1	4-Methyl-2-pentanone	ug/L		ND	10	1
75-09-2	Methylene chloride	ug/L		ND	5 0	1
91 20 3	Naphthalene	ug/L		ND	10	1
103-65 1	n-Propylbenzene	ug/L		ND	5 0	1
100-42-5	Styrene	ug/L		ND	5 0	1
630-20-6	1 1 1,2 Tetrachloroethane	ug/L		ND	5 0	1
79-34-5	1 1 2 2-Tetrachloroethane	ug/L		ND	5 0	1
127-18-4	Tetrachloroethene	ug/L		ND	5 0	1
108-88-3	Toluene	ug/L		ND	5 0	1
87-61-6	1 2 3-Trichlorobenzene	ug/L		ND	5 0	1
120-82-1	1 2 4-Trichlorobenzene	ug/L		ND	5 0	1
71-55-6	1 1 1-Trichloroethane	ug/L	100		5 0	1
79 00-5	1 1 2-Trichloroethane	ug/L		ND	5 0	1
79-01-6	Trichloroethene	ug/L	1100	D	50	10
75-69-4	Trichlorofluoromethane	ug/L		ND	10	1
96 18-4	1 2 3-Trichloropropane	ug/L		ND	5 0	1
95-63-6	1 2 4-Trimethylbenzene	ug/L		ND	5 0	1
108 67-8	1,3 5-Trimethylbenzene	ug/L		ND	5 0	1
108-05-4	Vinyl acetate	ug/L		ND	10	1
75-01-4	Vinyl chloride	ug/L	42		2 0	1
95-47-6	o-Xylene	ug/L		ND	5 0	1
108-38-3	m-Xylene	ug/L		ND	5 0	1
106-42-3	p-Xylene	ug/L		ND	5 0	1

SURROGATES- In Percent Recovery:

Dibromofluoromethane	114	(86 - 118%)
1 2-Dichloroethane-d4	119	(80 - 120%)
Toluene-d8	107	(88 - 110%)
4-Bromofluorobenzene	113	(86 - 115%)

RL Reporting Limit

Login #L9907154
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KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154 08	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MW011S/DUP	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R70259
Analysis Date	07/21/99 Time 16 14	Lab File ID	9M4211	Batch	WG61281

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67-64-1	Acetone	ug/L		ND	1000	10
71-43-2	Benzene	ug/L		ND	50	10
108-86-1	Bromobenzene	ug/L		ND	50	10
74 97-5	Bromochloromethane	ug/L		ND	50	10
75-27-4	Bromodichloromethane	ug/L		ND	50	10
75-25-2	Bromoform	ug/L		ND	50	10
74-83-9	Bromomethane	ug/L		ND	100	10
78-93-3	2-Butanone	ug/L		ND	1000	10
104-51-8	n-Butylbenzene	ug/L		ND	50	10
135-98-8	sec-Butylbenzene	ug/L		ND	50	10
98-06-6	tert-Butylbenzene	ug/L		ND	50	10
75-15-0	Carbon disulfide	ug/L		ND	50	10
56-23-5	Carbon tetrachloride	ug/L		ND	50	10
108 90-7	Chlorobenzene	ug/L		ND	50	10
124-48-1	Chlorodibromomethane	ug/L		ND	50	10
75-00-3	Chloroethane	ug/L		ND	100	10
110-75-8	2-Chloroethyl vinyl ether	ug/L		ND	100	10
67-66-3	Chloroform	ug/L		ND	50	10
74-87-3	Chloromethane	ug/L		ND	100	10
95 49-8	2-Chlorotoluene	ug/L		ND	50	10
106-43-4	4-Chlorotoluene	ug/L		ND	50	10
96-12-8	1 2-Dibromo-3-chloropropane	ug/L		ND	50	10
106 93-4	1 2-Dibromoethane	ug/L		ND	50	10
74 95-3	Dibromomethane	ug/L		ND	50	10
95 50-1	1 2-Dichlorobenzene	ug/L		ND	50	10
541-73-1	1 3-Dichlorobenzene	ug/L		ND	50	10
106 46-7	1,4-Dichlorobenzene	ug/L		ND	50	10
75 71-8	Dichlorodifluoromethane	ug/L		ND	100	10
75-34-3	1 1-Dichloroethane	ug/L		ND	50	10
107-06-2	1 2-Dichloroethane	ug/L		ND	50	10
75-35-4	1 1-Dichloroethene	ug/L		ND	50	10
156 59-2	cis-1 2-Dichloroethene	ug/L	290		50	10
156-60-5	trans-1 2-Dichloroethene	ug/L		ND	50	10
78-87-5	1 2-Dichloropropane	ug/L		ND	50	10
142-28 9	1 3-Dichloropropane	ug/L		ND	50	10
594-20-7	2,2-Dichloropropane	ug/L		ND	50	10
10061-01-5	cis-1 3-Dichloropropene	ug/L		ND	50	10
10061-02-6	trans-1 3-Dichloropropene	ug/L		ND	50	10
563-58-6	1 1-Dichloropropene	ug/L		ND	50	10

RL Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-08	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MW011S/DUP	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R70259
Analysis Date	07/21/99 Time 16 14	Lab File ID	9M4211	Batch	WG61281

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100-41 4	Ethylbenzene	ug/L		ND	50	10
	n-Hexane	ug/L		ND	100	10
591-78 6	2-Hexanone	ug/L		ND	100	10
87 68 3	Hexachlorobutadiene	ug/L		ND	50	10
98 82-8	Isopropylbenzene	ug/L		ND	50	10
99-87-6	p-Isopropyltoluene	ug/L		ND	50	10
108-10-1	4-Methyl-2-pentanone	ug/L		ND	100	10
75-09-2	Methylene chloride	ug/L		ND	50	10
91 20-3	Naphthalene	ug/L		ND	100	10
103-65-1	n-Propylbenzene	ug/L		ND	50	10
100-42-5	Styrene	ug/L		ND	50	10
630 20-6	1 1,1 2-Tetrachloroethane	ug/L		ND	50	10
79-34-5	1 1 2 2-Tetrachloroethane	ug/L		ND	50	10
127-18-4	Tetrachloroethene	ug/L		ND	50	10
108-88-3	Toluene	ug/L		ND	50	10
87-61-6	1 2 3-Trichlorobenzene	ug/L		ND	50	10
120-82-1	1 2 4-Trichlorobenzene	ug/L		ND	50	10
71 55-6	1 1 1-Trichloroethane	ug/L	66		50	10
79-00-5	1 1 2-Trichloroethane	ug/L		ND	50	10
79-01-6	Trichloroethene	ug/L	1300		50	10
75-69-4	Trichlorofluoromethane	ug/L		ND	100	10
96 18-4	1 2 3-Trichloropropane	ug/L		ND	50	10
95-63-6	1 2 4-Trimethylbenzene	ug/L		ND	50	10
108 67 8	1,3 5-Trimethylbenzene	ug/L		ND	50	10
108-05-4	Vinyl acetate	ug/L		ND	100	10
75-01-4	Vinyl chloride	ug/L	25		20	10
95 47-6	o-Xylene	ug/L		ND	50	10
108-38-3	m-Xylene	ug/L		ND	50	10
106-42 3	p-Xylene	ug/L		ND	50	10

SURROGATES- In Percent Recovery:

Dibromofluoromethane	109	(86 - 118%)
1 2-Dichloroethane-d4	108	(80 - 120%)
Toluene-d8	100	(88 - 110%)
4-Bromofluorobenzene	101	(86 - 115%)

RL Reporting Limit

Login #L9907154
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KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-09	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWC003	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS 1	Method	8260A
Extract Date	N/A	Analyst	REF	Run ID	R70114
Analysis Date	07/16/99 Time 20 26	Lab File ID	1M34929	Batch	WG61097

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67-64-1	Acetone	ug/L		ND	100	1
71-43-2	Benzene	ug/L		ND	5 0	1
108-86-1	Bromobenzene	ug/L		ND	5 0	1
74 97-5	Bromochloromethane	ug/L		ND	5 0	1
75-27-4	Bromodichloromethane	ug/L		ND	5 0	1
75 25-2	Bromoform	ug/L		ND	5 0	1
74 83-9	Bromomethane	ug/L		ND	10	1
78 93-3	2-Butanone	ug/L		ND	100	1
104 51-8	n-Butylbenzene	ug/L		ND	5 0	1
135-98-8	sec-Butylbenzene	ug/L		ND	5 0	1
98 06-6	tert-Butylbenzene	ug/L		ND	5 0	1
75-15-0	Carbon disulfide	ug/L		ND	5 0	1
56-23-5	Carbon tetrachloride	ug/L		ND	5 0	1
108-90-7	Chlorobenzene	ug/L		ND	5 0	1
124-48-1	Chlorodibromomethane	ug/L		ND	5 0	1
75 00-3	Chloroethane	ug/L		ND	10	1
110-75-8	2-Chloroethyl vinyl ether	ug/L		ND	10	1
67-66-3	Chloroform	ug/L		ND	5 0	1
74-87-3	Chloromethane	ug/L		ND	10	1
95 49-8	2-Chlorotoluene	ug/L		ND	5 0	1
106-43-4	4-Chlorotoluene	ug/L		ND	5 0	1
96-12-8	1 2-Dibromo-3-chloropropane	ug/L		ND	5 0	1
106 93-4	1 2-Dibromoethane	ug/L		ND	5 0	1
74 95-3	Dibromomethane	ug/L		ND	5 0	1
95 50-1	1 2-Dichlorobenzene	ug/L		ND	5 0	1
541-73-1	1 3-Dichlorobenzene	ug/L		ND	5 0	1
106-46-7	1,4-Dichlorobenzene	ug/L		ND	5 0	1
75-71-8	Dichlorodifluoromethane	ug/L		ND	10	1
75-34-3	1 1-Dichloroethane	ug/L		ND	5 0	1
107 06-2	1 2-Dichloroethane	ug/L		ND	5 0	1
75-35-4	1,1-Dichloroethene	ug/L		ND	5 0	1
156 59 2	cis-1 2 Dichloroethene	ug/L		ND	5 0	1
156-60-5	trans-1,2-Dichloroethene	ug/L		ND	5 0	1
78-87-5	1 2-Dichloropropane	ug/L		ND	5 0	1
142-28 9	1 3-Dichloropropane	ug/L		ND	5 0	1
594-20-7	2,2-Dichloropropane	ug/L		ND	5 0	1
10061-01-5	cis-1 3-Dichloropropene	ug/L		ND	5 0	1
10061-02-6	trans-1 3-Dichloropropene	ug/L		ND	5 0	1
563-58-6	1 1-Dichloropropene	ug/L		ND	5 0	1

RL - Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-09	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWC003	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS 1	Method	8260A
Extract Date	N/A	Analyst	REF	Run ID	R70114
Analysis Date	07/16/99 Time 20 26	Lab File ID	1M34929	Batch	WG61097

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100 41-4	Ethylbenzene	ug/L		ND	5 0	1
	n-Hexane	ug/L		ND	10	1
591 78-6	2-Hexanone	ug/L		ND	10	1
87-68-3	Hexachlorobutadiene	ug/L		ND	5 0	1
98 82-8	Isopropylbenzene	ug/L		ND	5 0	1
99 87-6	p-Isopropyltoluene	ug/L		ND	5 0	1
108 10 1	4-Methyl-2-pentanone	ug/L		ND	10	1
75 09-2	Methylene chloride	ug/L		ND	5 0	1
91-20-3	Naphthalene	ug/L		ND	10	1
103-65-1	n-Propylbenzene	ug/L		ND	5 0	1
100-42-5	Styrene	ug/L		ND	5 0	1
630-20-6	1 1 1 2-Tetrachloroethane	ug/L		ND	5 0	1
79-34-5	1 1 2 2-Tetrachloroethane	ug/L		ND	5 0	1
127 18 4	Tetrachloroethene	ug/L		ND	5 0	1
108 88 3	Toluene	ug/L	9 3		5 0	1
87 61-6	1 2 3-Trichlorobenzene	ug/L		ND	5 0	1
120-82-1	1 2,4-Trichlorobenzene	ug/L		ND	5 0	1
71-55 6	1 1 1-Trichloroethane	ug/L		ND	5 0	1
79-00 5	1 1 2 Trichloroethane	ug/L		ND	5 0	1
79-01-6	Trichloroethene	ug/L	27		5 0	1
75-69-4	Trichlorofluoromethane	ug/L		ND	10	1
96 18-4	1 2 3-Trichloropropane	ug/L		ND	5 0	1
95-63-6	1 2 4-Trimethylbenzene	ug/L		ND	5 0	1
108-67-8	1 3 5-Trimethylbenzene	ug/L		ND	5 0	1
108-05-4	Vinyl acetate	ug/L		ND	10	1
75-01-4	Vinyl chloride	ug/L		ND	2 0	1
95-47-6	o-Xylene	ug/L		ND	5 0	1
108-38-3	m-Xylene	ug/L	7 1	Z	5 0	1
106 42 3	p-Xylene	ug/L		Z	5 0	1

SURROGATES- In Percent Recovery:

Dibromofluoromethane	116	(86 - 118%)
1 2-Dichloroethane-d4	118	(80 - 120%)
Toluene-d8	104	(88 - 110%)
4-Bromofluorobenzene	102	(86 - 115%)

RL Reporting Limit

Login #L9907154
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KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-10	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWB003	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R70259
Analysis Date	07/21/99 Time 16 49	Lab File ID	9M4212	Batch	WG61281

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67 64-1	Acetone	ug/L		ND	1000	10
71 43-2	Benzene	ug/L		ND	50	10
108 86-1	Bromobenzene	ug/L		ND	50	10
74-97-5	Bromochloromethane	ug/L		ND	50	10
75-27 4	Bromodichloromethane	ug/L		ND	50	10
75-25-2	Bromoform	ug/L		ND	50	10
74-83-9	Bromomethane	ug/L		ND	100	10
78-93-3	2-Butanone	ug/L		ND	1000	10
104-51-8	n-Butylbenzene	ug/L		ND	50	10
135-98-8	sec Butylbenzene	ug/L		ND	50	10
98-06-6	tert-Butylbenzene	ug/L		ND	50	10
75-15-0	Carbon disulfide	ug/L		ND	50	10
56 23 5	Carbon tetrachloride	ug/L		ND	50	10
108-90-7	Chlorobenzene	ug/L		ND	50	10
124-48-1	Chlorodibromomethane	ug/L		ND	50	10
75-00-3	Chloroethane	ug/L		ND	100	10
110-75-8	2-Chloroethyl vinyl ether	ug/L		ND	100	10
67-66-3	Chloroform	ug/L		ND	50	10
74-87-3	Chloromethane	ug/L		ND	100	10
95-49-8	2-Chlorotoluene	ug/L		ND	50	10
106 43-4	4-Chlorotoluene	ug/L		ND	50	10
96 12-8	1 2-Dibromo-3-chloropropane	ug/L		ND	50	10
106-93-4	1 2-Dibromoethane	ug/L		ND	50	10
74-95-3	Dibromomethane	ug/L		ND	50	10
95-50-1	1 2-Dichlorobenzene	ug/L		ND	50	10
541-73-1	1 3-Dichlorobenzene	ug/L		ND	50	10
106-46-7	1,4-Dichlorobenzene	ug/L		ND	50	10
75-71-8	Dichlorodifluoromethane	ug/L		ND	100	10
75-34-3	1 1-Dichloroethane	ug/L		ND	50	10
107 06-2	1 2-Dichloroethane	ug/L		ND	50	10
75 35-4	1 1-Dichloroethene	ug/L		ND	50	10
156-59-2	cis-1 2-Dichloroethene	ug/L	1900		50	10
156-60-5	trans-1 2-Dichloroethene	ug/L		ND	50	10
78-87 5	1 2-Dichloropropane	ug/L		ND	50	10
142-28 9	1 3-Dichloropropane	ug/L		ND	50	10
594-20 7	2,2-Dichloropropane	ug/L		ND	50	10
10061 01 5	cis-1 3-Dichloropropene	ug/L		ND	50	10
10061-02-6	trans-1 3-Dichloropropene	ug/L		ND	50	10
563-58-6	1 1-Dichloropropene	ug/L		ND	50	10

RL Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-10	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWB003	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R70259
Analysis Date	07/21/99 Time 16 49	Lab File ID	9M4212	Batch	WG61281

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100-41 4	Ethylbenzene	ug/L		ND	50	10
	n-Hexane	ug/L		ND	100	10
591 78-6	2-Hexanone	ug/L		ND	100	10
87-68-3	Hexachlorobutadiene	ug/L		ND	50	10
98-82-8	Isopropylbenzene	ug/L		ND	50	10
99-87-6	p-Isopropyltoluene	ug/L		ND	50	10
108-10-1	4-Methyl-2-pentanone	ug/L		ND	100	10
75-09 2	Methylene chloride	ug/L		ND	50	10
91-20 3	Naphthalene	ug/L		ND	100	10
103-65 1	n-Propylbenzene	ug/L		ND	50	10
100-42 5	Styrene	ug/L		ND	50	10
630-20 6	1 1 1 2-Tetrachloroethane	ug/L		ND	50	10
79-34 5	1 1 2 2-Tetrachloroethane	ug/L		ND	50	10
127-18-4	Tetrachloroethene	ug/L		ND	50	10
108-88 3	Toluene	ug/L		ND	50	10
87-61 6	1 2 3-Trichlorobenzene	ug/L		ND	50	10
120-82 1	1 2 4-Trichlorobenzene	ug/L		ND	50	10
71-55 6	1 1 1-Trichloroethane	ug/L	320		50	10
79-00 5	1 1 2-Trichloroethane	ug/L		ND	50	10
79-01 6	Trichloroethene	ug/L	8200	D	500	100
75-69 4	Trichlorofluoromethane	ug/L		ND	100	10
96-18 4	1 2 3-Trichloropropane	ug/L		ND	50	10
95 63 6	1 2 4-Trimethylbenzene	ug/L		ND	50	10
108 67 8	1,3 5-Trimethylbenzene	ug/L		ND	50	10
108-05 4	Vinyl acetate	ug/L		ND	100	10
75-01 4	Vinyl chloride	ug/L		ND	20	10
95-47 6	o-Xylene	ug/L		ND	50	10
108-38 3	m-Xylene	ug/L		ND	50	10
106-42 3	p-Xylene	ug/L		ND	50	10

SURROGATES- In Percent Recovery:

Dibromofluoromethane	109	(86 - 118%)
1 2-Dichloroethane-d4	108	(80 - 120%)
Toluene-d8	100	(88 - 110%)
4-Bromofluorobenzene	100	(86 - 115%)

RL Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-11	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWE070899	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R70259
Analysis Date	07/21/99 Time 19 06	Lab File ID	9M4216	Batch	WG61281

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67-64 1	Acetone	ug/L		ND	100	1
71-43 2	Benzene	ug/L		ND	5 0	1
108-86 1	Bromobenzene	ug/L		ND	5 0	1
74-97 5	Bromochloromethane	ug/L		ND	5 0	1
75-27 4	Bromodichloromethane	ug/L		ND	5 0	1
75-25-2	Bromoform	ug/L		ND	5 0	1
74-83-9	Bromomethane	ug/L		ND	10	1
78-93 3	2-Butanone	ug/L		ND	100	1
104-51 8	n-Butylbenzene	ug/L		ND	5 0	1
135-98 8	sec-Butylbenzene	ug/L		ND	5 0	1
98-06 6	tert-Butylbenzene	ug/L		ND	5 0	1
75-15-0	Carbon disulfide	ug/L		ND	5 0	1
56-23 5	Carbon tetrachloride	ug/L		ND	5 0	1
108-90 7	Chlorobenzene	ug/L		ND	5 0	1
124-48 1	Chlorodibromomethane	ug/L		ND	5 0	1
75-00 3	Chloroethane	ug/L		ND	10	1
110-75 8	2-Chloroethyl vinyl ether	ug/L		ND	10	1
67-66-3	Chloroform	ug/L		ND	5 0	1
74-87-3	Chloromethane	ug/L		ND	10	1
95-49 8	2-Chlorotoluene	ug/L		ND	5 0	1
106-43 4	4-Chlorotoluene	ug/L		ND	5 0	1
96-12-8	1 2-Dibromo-3-chloropropane	ug/L		ND	5 0	1
106-93 4	1,2-Dibromoethane	ug/L		ND	5 0	1
74-95 3	Dibromomethane	ug/L		ND	5 0	1
95-50 1	1 2-Dichlorobenzene	ug/L		ND	5 0	1
541-73 1	1 3-Dichlorobenzene	ug/L		ND	5 0	1
106-46 7	1,4-Dichlorobenzene	ug/L		ND	5 0	1
75-71 8	Dichlorodifluoromethane	ug/L		ND	10	1
75-34 3	1 1-Dichloroethane	ug/L		ND	5 0	1
107-06 2	1 2-Dichloroethane	ug/L		ND	5 0	1
75-35 4	1 1-Dichloroethene	ug/L		ND	5 0	1
156-59 2	cis-1 2-Dichloroethene	ug/L		ND	5 0	1
156-60 5	trans-1 2-Dichloroethene	ug/L		ND	5 0	1
78-87 5	1 2-Dichloropropane	ug/L		ND	5 0	1
142-28 9	1 3-Dichloropropane	ug/L		ND	5 0	1
594-20 7	2 2-Dichloropropane	ug/L		ND	5 0	1
10061-01 5	cis-1 3-Dichloropropene	ug/L		ND	5 0	1
10061-02 6	trans-1 3-Dichloropropene	ug/L		ND	5 0	1
563-58 6	1 1-Dichloropropene	ug/L		ND	5 0	1

RL Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-11	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWE070899	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R70259
Analysis Date	07/21/99 Time 19 06	Lab File ID	9M4216	Batch	WG61281

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100-41-4	Ethylbenzene	ug/L		ND	5 0	1
	n-Hexane	ug/L		ND	10	1
591-78-6	2-Hexanone	ug/L		ND	10	1
87-68-3	Hexachlorobutadiene	ug/L		ND	5 0	1
98-82-8	Isopropylbenzene	ug/L		ND	5 0	1
99-87-6	p-Isopropyltoluene	ug/L		ND	5 0	1
108-10-1	4-Methyl-2-pentanone	ug/L		ND	10	1
75-09-2	Methylene chloride	ug/L		ND	5 0	1
91-20-3	Naphthalene	ug/L		ND	10	1
103-65-1	n-Propylbenzene	ug/L		ND	5 0	1
100-42-5	Styrene	ug/L		ND	5 0	1
630-20-6	1,1 1 2-Tetrachloroethane	ug/L		ND	5 0	1
79-34-5	1 1 2 2-Tetrachloroethane	ug/L		ND	5 0	1
127-18-4	Tetrachloroethene	ug/L		ND	5 0	1
108-88 3	Toluene	ug/L		ND	5 0	1
87-61-6	1 2 3-Trichlorobenzene	ug/L		ND	5 0	1
120 82 1	1 2 4-Trichlorobenzene	ug/L		ND	5 0	1
71-55-6	1 1 1-Trichloroethane	ug/L		ND	5 0	1
79-00 5	1 1 2-Trichloroethane	ug/L		ND	5 0	1
79-01 6	Trichloroethene	ug/L		ND	5 0	1
75-69-4	Trichlorofluoromethane	ug/L		ND	10	1
96 18 4	1 2 3-Trichloropropane	ug/L		ND	5 0	1
95-63-6	1 2 4-Trimethylbenzene	ug/L		ND	5 0	1
108-67-8	1,3 5-Trimethylbenzene	ug/L		ND	5 0	1
108-05-4	Vinyl acetate	ug/L		ND	10	1
75-01-4	Vinyl chloride	ug/L		ND	2 0	1
95-47-6	o-Xylene	ug/L		ND	5 0	1
108-38 3	m-Xylene	ug/L		ND	5 0	1
106-42-3	p-Xylene	ug/L		ND	5 0	1

SURROGATES- In Percent Recovery:

Dibromofluoromethane	106	(86 - 118%)
1 2-Dichloroethane-d4	106	(80 - 120%)
Toluene-d8	100	(88 - 110%)
4-Bromofluorobenzene	99 9	(86 - 115%)

RL Reporting Limit

Login #L9907154
July 23 1999 03 37 pm

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-12	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWT070899	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R70259
Analysis Date	07/21/99 Time 19 40	Lab File ID	9M4217	Batch	WG61281

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67 64-1	Acetone	ug/L		ND	100	1
71-43-2	Benzene	ug/L		ND	5 0	1
108 86-1	Bromobenzene	ug/L		ND	5 0	1
74-97-5	Bromochloromethane	ug/L		ND	5 0	1
75-27-4	Bromodichloromethane	ug/L		ND	5 0	1
75-25-2	Bromoform	ug/L		ND	5 0	1
74-83-9	Bromomethane	ug/L		ND	10	1
78-93 3	2-Butanone	ug/L		ND	100	1
104-51 8	n-Butylbenzene	ug/L		ND	5 0	1
135-98 8	sec-Butylbenzene	ug/L		ND	5 0	1
98-06 6	tert-Butylbenzene	ug/L		ND	5 0	1
75-15-0	Carbon disulfide	ug/L		ND	5 0	1
56-23-5	Carbon tetrachloride	ug/L		ND	5 0	1
108-90-7	Chlorobenzene	ug/L		ND	5 0	1
124-48-1	Chlorodibromomethane	ug/L		ND	5 0	1
75-00-3	Chloroethane	ug/L		ND	10	1
110-75-8	2-Chloroethyl vinyl ether	ug/L		ND	10	1
67-66-3	Chloroform	ug/L		ND	5 0	1
74-87-3	Chloromethane	ug/L		ND	10	1
95-49-8	2-Chlorotoluene	ug/L		ND	5 0	1
106-43-4	4-Chlorotoluene	ug/L		ND	5 0	1
96-12-8	1 2-Dibromo-3-chloropropane	ug/L		ND	5 0	1
106-93 4	1 2-Dibromoethane	ug/L		ND	5 0	1
74-95-3	Dibromomethane	ug/L		ND	5 0	1
95-50-1	1 2-Dichlorobenzene	ug/L		ND	5 0	1
541-73-1	1,3-Dichlorobenzene	ug/L		ND	5 0	1
106-46-7	1 4-Dichlorobenzene	ug/L		ND	5 0	1
75-71-8	Dichlorodifluoromethane	ug/L		ND	10	1
75-34-3	1 1-Dichloroethane	ug/L		ND	5 0	1
107-06-2	1 2 Dichloroethane	ug/L		ND	5 0	1
75-35-4	1,1 Dichloroethene	ug/L		ND	5 0	1
156-59-2	cis 1 2-Dichloroethene	ug/L		ND	5 0	1
156-60-5	trans-1 2-Dichloroethene	ug/L		ND	5 0	1
78-87-5	1 2 Dichloropropane	ug/L		ND	5 0	1
142-28-9	1,3-Dichloropropane	ug/L		ND	5 0	1
594-20-7	2,2 Dichloropropane	ug/L		ND	5 0	1
10061-01-5	cis 1 3-Dichloropropene	ug/L		ND	5 0	1
10061-02-6	trans-1 3-Dichloropropene	ug/L		ND	5 0	1
563-58-6	1 1 Dichloropropene	ug/L		ND	5 0	1

RL Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-12	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MWT070899	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R70259
Analysis Date	07/21/99 Time 19 40	Lab File ID	9M4217	Batch	WG61281

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100-41-4	Ethylbenzene	ug/L		ND	5 0	1
	n-Hexane	ug/L		ND	10	1
591-78-6	2-Hexanone	ug/L		ND	10	1
87-68-3	Hexachlorobutadiene	ug/L		ND	5 0	1
98-82-8	Isopropylbenzene	ug/L		ND	5 0	1
99-87-6	p-Isopropyltoluene	ug/L		ND	5 0	1
108-10-1	4-Methyl-2-pentanone	ug/L		ND	10	1
75-09-2	Methylene chloride	ug/L		ND	5 0	1
91-20-3	Naphthalene	ug/L		ND	10	1
103-65-1	n-Propylbenzene	ug/L		ND	5 0	1
100-42 5	Styrene	ug/L		ND	5 0	1
630-20-6	1 1 1 2-Tetrachloroethane	ug/L		ND	5 0	1
79-34-5	1 1 2 2-Tetrachloroethane	ug/L		ND	5 0	1
127-18-4	Tetrachloroethene	ug/L		ND	5 0	1
108 88-3	Toluene	ug/L		ND	5 0	1
87-61-6	1 2 3-Trichlorobenzene	ug/L		ND	5 0	1
120-82-1	1 2 4-Trichlorobenzene	ug/L		ND	5 0	1
71-55-6	1 1 1-Trichloroethane	ug/L		ND	5 0	1
79-00-5	1 1 2-Trichloroethane	ug/L		ND	5 0	1
79-01-6	Trichloroethene	ug/L		ND	5 0	1
75-69-4	Trichlorofluoromethane	ug/L		ND	10	1
96-18-4	1 2 3-Trichloropropane	ug/L		ND	5 0	1
95-63-6	1 2 4-Trimethylbenzene	ug/L		ND	5 0	1
108-67-8	1,3 5-Trimethylbenzene	ug/L		ND	5 0	1
108-05-4	Vinyl acetate	ug/L		ND	10	1
75-01-4	Vinyl chloride	ug/L		ND	2 0	1
95-47-6	o-Xylene	ug/L		ND	5 0	1
108-38-3	m-Xylene	ug/L		ND	5 0	1
106-42-3	p Xylene	ug/L		ND	5 0	1

SURROGATES- In Percent Recovery:

Dibromofluoromethane	106	(86 - 118%)
1 2-Dichloroethane-d4	106	(80 - 120%)
Toluene-d8	99 9	(88 - 110%)
4-Bromofluorobenzene	101	(86 - 115%)

RL = Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-13	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	WL0003	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R70259
Analysis Date	07/21/99 Time 20 14	Lab File ID	9M4218	Batch	WG61281

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67 64-1	Acetone	ug/L		ND	100	1
71-43-2	Benzene	ug/L		ND	5 0	1
108 86-1	Bromobenzene	ug/L		ND	5 0	1
74 97-5	Bromochloromethane	ug/L		ND	5 0	1
75 27-4	Bromodichloromethane	ug/L		ND	5 0	1
75 25 2	Bromoform	ug/L		ND	5 0	1
74-83-9	Bromomethane	ug/L		ND	10	1
78 93-3	2-Butanone	ug/L		ND	100	1
104-51-8	n Butylbenzene	ug/L		ND	5 0	1
135 98-8	sec-Butylbenzene	ug/L		ND	5 0	1
98-06 6	tert-Butylbenzene	ug/L		ND	5 0	1
75-15-0	Carbon disulfide	ug/L		ND	5 0	1
56-23-5	Carbon tetrachloride	ug/L		ND	5 0	1
108 90-7	Chlorobenzene	ug/L		ND	5 0	1
124-48-1	Chlorodibromomethane	ug/L		ND	5 0	1
75 00-3	Chloroethane	ug/L		ND	10	1
110-75-8	2-Chloroethyl vinyl ether	ug/L		ND	10	1
67-66-3	Chloroform	ug/L		ND	5 0	1
74-87-3	Chloromethane	ug/L		ND	10	1
95-49-8	2-Chlorotoluene	ug/L		ND	5 0	1
106 43-4	4 Chlorotoluene	ug/L		ND	5 0	1
96 12 8	1 2-Dibromo-3-chloropropane	ug/L		ND	5 0	1
106 93 4	1 2-Dibromoethane	ug/L		ND	5 0	1
74-95 3	Dibromomethane	ug/L		ND	5 0	1
95-50-1	1 2-Dichlorobenzene	ug/L		ND	5 0	1
541-73-1	1 3-Dichlorobenzene	ug/L		ND	5 0	1
106-46-7	1 4-Dichlorobenzene	ug/L		ND	5 0	1
75-71-8	Dichlorodifluoromethane	ug/L		ND	10	1
75-34 3	1 1-Dichloroethane	ug/L		ND	5 0	1
107-06 2	1 2-Dichloroethane	ug/L		ND	5 0	1
75-35 4	1,1-Dichloroethene	ug/L		ND	5 0	1
156-59-2	cis-1 2-Dichloroethene	ug/L		ND	5 0	1
156-60-5	trans-1 2-Dichloroethene	ug/L		ND	5 0	1
78-87-5	1 2-Dichloropropane	ug/L		ND	5 0	1
142-28-9	1 3-Dichloropropane	ug/L		ND	5 0	1
594-20 7	2,2-Dichloropropane	ug/L		ND	5 0	1
10061-01 5	cis-1 3-Dichloropropene	ug/L		ND	5 0	1
10061-02-6	trans-1 3-Dichloropropene	ug/L		ND	5 0	1
563-58-6	1 1-Dichloropropene	ug/L		ND	5 0	1

RL Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product 826-VAP2 - Volatile Organics

Lab Sample ID	L9907154-13	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	WL0003	COC Info	N/A	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	07/08/99	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260A
Extract Date	N/A	Analyst	JLH	Run ID	R70259
Analysis Date	07/21/99 Time 20 14	Lab File ID	9M4218	Batch	WG61281

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100-41-4	Ethylbenzene	ug/L		ND	5 0	1
	n-Hexane	ug/L		ND	10	1
591-78-6	2-Hexanone	ug/L		ND	10	1
87-68 3	Hexachlorobutadiene	ug/L		ND	5 0	1
98 82 8	Isopropylbenzene	ug/L		ND	5 0	1
99-87-6	p-Isopropyltoluene	ug/L		ND	5 0	1
108-10 1	4-Methyl-2-pentanone	ug/L		ND	10	1
75-09 2	Methylene chloride	ug/L		ND	5 0	1
91-20 3	Naphthalene	ug/L		ND	10	1
103-65 1	n-Propylbenzene	ug/L		ND	5 0	1
100 42-5	Styrene	ug/L		ND	5 0	1
630-20-6	1 1 1 2-Tetrachloroethane	ug/L		ND	5 0	1
79-34-5	1 1 2 2-Tetrachloroethane	ug/L		ND	5 0	1
127 18-4	Tetrachloroethene	ug/L		ND	5 0	1
108-88-3	Toluene	ug/L		ND	5 0	1
87-61-6	1 2 3-Trichlorobenzene	ug/L		ND	5 0	1
120 82-1	1 2 4-Trichlorobenzene	ug/L		ND	5 0	1
71 55-6	1 1,1-Trichloroethane	ug/L		ND	5 0	1
79 00-5	1 1 2-Trichloroethane	ug/L		ND	5 0	1
79-01-6	Trichloroethene	ug/L		ND	5 0	1
75-69-4	Trichlorofluoromethane	ug/L		ND	10	1
96 18-4	1 2 3-Trichloropropane	ug/L		ND	5 0	1
95 63-6	1 2 4-Trimethylbenzene	ug/L		ND	5 0	1
108 67-8	1 3 5-Trimethylbenzene	ug/L		ND	5 0	1
108 05-4	Vinyl acetate	ug/L		ND	10	1
75 01-4	Vinyl chloride	ug/L		ND	2 0	1
95-47-6	o-Xylene	ug/L		ND	5 0	1
108-38-3	m-Xylene	ug/L		ND	5 0	1
106 42 3	p-Xylene	ug/L		ND	5 0	1

SURROGATES- In Percent Recovery:

Dibromofluoromethane	107	(86 - 118%)
1 2-Dichloroethane-d4	106	(80 - 120%)
Toluene-d8	100	(88 - 110%)
4-Bromofluorobenzene	101	(86 - 115%)

RL Reporting Limit

Order # 99 07 154
July 23 1999 03 37 pm

KEMRON ENVIRONMENTAL SERVICES
WORK GROUPS

Work Group	Run ID	Sample	Dil Type	Matrix	Product	Method	Date Collected	Department	
WG61097	R70114	L9907154 09		Water	Volatile Organics	8260A	08 JUL 1999	Volatile	GC/MS
WG61 21	R70244	L9907154 01		Water	Volatile Organics	8260A	08 JUL 1999	Volatile	GC/MS
WG61121	R70312	L9907154 02		Water	Volatile Organics	8260A	08 JUL 1999	Volatile	GC/MS
WG61121	R70314	L9907154 05		Water	Volatile Organics	8260A	08 JUL 1999	Volatile	GC/MS
WG61121	R70244	L9907154 07		Water	Volatile Organics	8260A	08 JUL 1999	Volatile	GC/MS
WG61281	R70259	L9907154 03		Water	Volatile Organics	8260A	08 JUL 1999	Volatile	GC/MS
WG61281	R70259	L9907154 04		Water	Volatile Organics	8260A	08 JUL 1999	Volatile	GC/MS
WG61281	R70259	L9907154 06		Water	Volatile Organics	8260A	08 JUL 1999	Volatile	GC/MS
WG61281	R70259	L9907154 08		Water	Volatile Organics	8260A	08 JUL 1999	Volatile	GC/MS
WG61281	R70259	L9907154 10		Water	Volatile Organics	8260A	08 JUL 1999	Volatile	GC/MS
WG61281	R70259	L9907154 11		Water	Volatile Organics	8260A	08 JUL 1999	Volatile	GC/MS
WG61281	R70259	L9907154 12		Water	Volatile Organics	8260A	08 JUL 1999	Volatile	GC/MS
WG61281	R70259	L9907154 13		Water	Volatile Organics	8260A	08 JUL 1999	Volatile	GC/MS

KEMRON ANALYST LIST

Ohio Valley Laboratory

06/24/99

ALC	Ann L Clark
BAD	Becky A Diehl
CAR	Caleb A. Robinson
CBN	C Brian Noll
CEB	Chad E Barnes
CDB	Christy D Burton
CK	Carl King
CMS	Crystal M Stevens
CRC	Carla R Cochran
DIH	Deanna I Hesson
DLN	Deanna L Norton
DLP	Dorothy L Payne
DMD	David M Dye
ECL	Eric C Lawson
FEH	Fay E Harmon
GWH	George W Hutchinson
HLC	Holly L Currey
HV	Hema Vilasagar
JCR	Jennifer C Randall
JG	Jonathan Graziani
JLH	Janice L Holland
JWR	John W Richards
JYH	Ji Y Hu
KAS	Kevin A Stutler
KHA	Kim H Archer
KJS	Kara J Stump
KRA	Kathy R Albertson
LKM	Laura K Morris
MDA	Mike D Albertson
MDC	Michael D Cochran
MES	Mary E Schiling
MLS	Michael L Schimmel
MMB	Maren M Beery
NLC	Nicole L Currey
RDC	Rebecca D Cutlip
RDS	Rebecca D Sutton
REF	Ron E Fertile
REK	Robert E Kyer
RSS	Regina S Simmons
RWC	Rodney W Campbell
SJK	Sindy J Kinney
SJM	Shawn J Marshall
SLP	Sheri L Pfalzgraf
SLT	Stephanie L Tepe
SMW	Shauna M Welch
SPL	Steve P Learn
SPS	Steve P Swatzel
TRS	Todd R Stack
VC	Vicki Collier
VMN	Vincent M Nedeff

KEMRON Environmental Services, Inc
LIST OF VALID QUALIFIERS (qual)
December 10, 1998

Qualifier	Description
A	See the report narrative
NA	Not applicable
+	Correlation coefficient for the MSA is less than 0 995
<	Less than
>	Greater than
B	Present in the method blank
C	Confirmed by GC/MS
*	Surrogate or spike compound out of range
CG	Confluent growth
D	The analyte was quantified at a secondary dilution factor
DL	Surrogate or spike was diluted out
E	Estimated concentration due to sample matrix interference
F	Present below nominal reporting limit (AFCEE only)
FL	Free liquid
I	Semiquantitative result, out of instrument calibration range
J	Present below nominal reporting limit
L	Sample reporting limits elevated due to matrix interference
M	Duplicate injection precision not met

Qualifier	Description
N	Tentatively Identified Compound (TIC)
ND	Not detected at or above the reporting limit (RL)
NF	Not found
NFL	No free liquid
NI	Non-ignitable
NR	Analyte is not required to be analyzed
NS	Not spiked
P	Concentration > 25% difference between the two GC columns
QNS	Quantity not sufficient to perform analysis
R	Analyte exceeds regulatory limit
RA	Reanalysis confirms reported results
RE	Reanalysis confirms sample matrix interference
S	Analyzed by method of standard addition
SMI	Sample matrix interference on surrogate
SP	Reported results are for spike compounds only
TNTC	Too numerous to count
U	Analyzed for but not detected
W	Post-digestion spike for furnace AA out of control limits
Z	Can not be resolved from isomer See below

Special Notes for Organic Analytes

1 Acrolein and acrylonitrile by method 624 are semiquantitative screens only
2 1,2 Diphenylhydrazine is unstable and is reported as azobenzene
3 N-nitrosodiphenylamine cannot be separated from diphenylamine
4 3-Methyphenol and 4-Methyphenol are unresolvable compounds
5 m-Xylene and p-Xylene are unresolvable compounds
6 The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX They are not always achievable for every compound and are matrix dependent

ORGANIC QA/QC

Kemron
ENVIRONMENTAL SERVICES

Kemron Environmental Services -OVL
Volatile Quality Control Summary

Workgroup #	WG61121	Run Date	7/16/99	SMPL Num	07 266-01	LCS DF	1
Method	8260B	Instrument ID	HPMS8	SMPL FLNM	8M9699 D	SMPL DF	1
Matrix	WATER	BLK FLNM	8M9694 D	MS FLNM	8M9700 D	MS DF:	1
Units	ug/L	LCS FLNM	8M9695 D	MSD FLNM	8M9701 D	MSD DF	1

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	Blank	LCS	LCS Spike Level	Sample	MS	MSD	MS Spike Level	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MS UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPD
Target Analytes	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	%	%	%	%	%	%	%	%	%	%	%						
dichlorodifluoromethane	0.26	ND	19.97	20.0	ND	13 72	12.23	20.0	ND	99 9	10.0	153.0	ND	68.6	61.2	10.0	153.0	11.5	42.0						
chloromethane	0 52	ND	18.23	20 0	ND	14 71	13 45	20 0	ND	91.2	49.0	129 0	ND	73 6	67.3	49 0	129.0	8 9	30 0						
vinyl chloride	0.30	ND	19 59	20 0	301.58	166 16	148.86	20 0	ND	98.0	57 0	135 0	301.6	NA	NA	57 0	135.0	NA	30.0						
bromomethane	0 68	ND	18 72	20 0	ND	15 39	14 11	20 0	ND	93 6	58 0	140 0	ND	77 0	70 6	58 0	140 0	8 7	39 0						
chloroethane	0.44	ND	18 98	20 0	ND	15 01	13 91	20.0	ND	94.9	69.0	126.0	ND	75 1	69 6	69.0	126.0	7.6	27 0						
trichlorofluoromethane	0.32	ND	21 50	20 0	ND	15 89	14 22	20 0	ND	107 5	67 0	152 0	ND	79 5	71 1	67 0	152 0	11 1	22 0						
isoprene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
acrolein	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 1,2 trichloro-1,2,2-trifluoroethane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
aceton	4 26	ND	23 00	20 0	ND	25 79	26 72	20 0	ND	115 0	40 0	142 0	ND	129.0	133 6	40 0	142 0	3 5	40 0						
1 1-dichloroethene	0 31	ND	19.35	20 0	37 01	36.10	32 96	20.0	ND	96.8	81 0	130 0	37 0	NA	NA	81 0	130 0	NA	18 0						
dimethyl sulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
iodomethane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
methylene chloride	0 74	ND	21 12	20 0	ND	20 02	18 77	20 0	ND	105 6	76 0	125 0	ND	100 1	93 9	76.0	125 0	6 4	19 0						
carbon disulfide	0.23	ND	19 19	20.0	ND	14 46	13 19	20.0	ND	96 0	70 0	138.0	ND	72.3	66 0	70.0	138.0	9.2	20 0					L	
acrylo itrile	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
methyl-tert-butyl ether	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
trans-1,2-dichloroethene	0.22	ND	19 95	20 0	16 44	27 17	25 02	20 0	ND	99 8	86 0	135 0	16 4	53 7	42 9	86 0	135 0	8.2	16 0				L	L	
n-hexane	NTC	0 66	NS	NS	0 49	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
vinyl acetate	1 00	ND	31 50	20 0	ND	30 74	30 22	20 0	ND	157 5	10 0	136 0	ND	153 7	151 1	10 0	136 0	1 7	66 0		H		H	H	
1 1-dichloroethane	0 23	ND	19.65	20 0	8 52	22.87	21 52	20 0	ND	98.3	84 0	127 0	8 5	71.8	65 0	84.0	127 0	6.1	15 0				L	L	
2 butanone	2.00	ND	24.31	20 0	2 56	26 83	26 84	20 0	ND	121 6	61 0	137 0	2 6	121 4	121.4	61 0	137 0	0.0	30 0						
2,2-dichloropropane	0.26	ND	21.81	20.0	ND	16 40	14.83	20.0	ND	109 1	79 0	130.0	ND	82.0	74 2	79.0	130.0	10 1	17 0					L	
c s-1,2-dichloroethene	0.24	ND	19 08	20 0	7 98	22 68	21.32	20.0	ND	95 4	82 0	121 0	8 0	73 5	66 7	82.0	121 0	6.2	15 0				L	L	
chloroform	0.21	ND	20.36	20.0	128.09	113 77	107.84	20.0	ND	101 8	85 0	121 0	128 1	NA	NA	85 0	121.0	NA	15.0						
bromochloromethane	0.21	ND	20 68	20 0	ND	19.46	19 18	20 0	ND	103 4	85 0	121 0	ND	97.3	95 9	85 0	121 0	1.4	15 0						
1 1 1-trichloroethane	0.30	ND	21 48	20 0	ND	16.84	15.39	20.0	ND	107 4	78.0	127 0	ND	84.2	77 0	78.0	127 0	9.0	17.0					L	
cycl hexane	NTC	0 41	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 1-dichloropropene	0.29	ND	22.30	20.0	ND	17 19	15 80	20.0	ND	111.5	91 0	133.0	ND	86 0	79 0	91 0	133.0	8.4	15 0				L	L	
carbon tetrachloride	0.30	ND	21 83	20 0	ND	16 66	15.21	20 0	ND	109.2	70 0	130 0	ND	83 3	76 1	70 0	130 0	9 1	20 0						
1,2-dichloroethane	0 17	ND	21.66	20.0	2 77	22 99	22.35	20.0	ND	108 3	78 0	128.0	2.8	101 1	97 9	78 0	128.0	2.8	17 0						
benzene	0.20	ND	19 02	20 0	0 42	16 29	15 37	20 0	ND	95 1	87 0	118 0	0 4	79 4	74 8	87 0	118 0	5 8	15 0				L	L	
trichloroethene	0.30	ND	19.54	20 0	5 25	19 09	18 16	20 0	ND	97 7	83 0	123 0	5.3	69.2	64 6	83 0	123 0	5 0	15 0				L	L	
1,2-d chloropropane	0 20	ND	19 05	20 0	ND	17 00	16 10	20 0	ND	95.3	81 0	121 0	ND	85 0	80 5	81 0	121 0	5 4	15 0					L	
b omodichloromethane	0.24	ND	20 84	20 0	ND	19 11	18 47	20 0	ND	104.2	81 0	126 0	ND	95.6	92.4	81 0	126 0	3.4	16 0						
dibromomethane	0.25	ND	21.29	20 0	ND	21.32	20.51	20 0	ND	106 5	83 0	122 0	ND	106 6	102.6	83 0	122 0	3 9	15 0						
2-chloroethylvinyl ether	0 79	ND	24.32	20 0	ND	13 92	28 03	20.0	ND	121 6	45 0	154 0	ND	69.6	140.2	45.0	154 0	67.3	46 0						H
4-methyl-2 pentano e	1 27	ND	23 63	20 0	ND	25 07	25 25	20 0	ND	118 2	66 0	132 0	ND	125 4	126.3	66 0	132 0	0 7	33 0						
cis-1,3-dichloropropene	0 15	ND	20.71	20.0	ND	19 09	18.35	20.0	ND	103 6	82 0	124.0	ND	95.5	91 8	82.0	124.0	4 0	15 0						
dimethyl disulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
toluene	0.21	ND	20.31	20.0	ND	16 67	15.71	20.0	ND	101.6	84 0	123.0	ND	83.4	78.6	84.0	123.0	5 9	15.0				L	L	
ethyl methacrylate	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
trans-1,3-dichloropropene	0.33	ND	21.38	20 0	ND	20.02	19 44	20 0	ND	106.9	80.0	124.0	ND	100 1	97.2	80.0	124 0	2.9	15 0						
1 1,2-trichloroethane	0.45	ND	21 11	20 0	7 69	27 14	26 89	20 0	ND	105 6	78 0	122.0	7 7	97.3	96 0	78 0	122.0	0 9	15 0						

Kemro Environmental Services -OVL
V latile Quality C ntrol Summary

Workgroup #	WG61121	Run Date.	7/16/99	SMPL Num.	07 266-01	LCS DF	1
Method	8260B	Instrument ID	HPMS8	SMPL FLNM	8M9699 D	SMPL DF	1
Matrix.	WATER	BLK FLNM:	8M9694 D	MS FLNM	8M9700 D	MS DF	1
Units	ug/L	LCS FLNM	8M9695 D	MSD FLNM	8M9701.D	MSD DF	1

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	BLK	LCS	LCS Spike Level	SMPL	MS	MSD	MS Spike Level	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MSD UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPD
Target Analytes	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	%	%	%	%	%	%	%	%	%	%	%						
2 hexanone	1.39	ND	25.39	20.0	ND	27 19	27 41	20.0	ND	127.0	57 0	130.0	ND	136.0	137 1	57.0	130.0	0.8	31.0				H	H	
1,3-dichloropropane	0.33	ND	21 12	20 0	ND	20 07	19 78	20 0	ND	105.6	78 0	123 0	ND	100.4	98 9	78 0	123 0	1.5	15 0						
tetrachloroethene	0.28	ND	19 94	20.0	0 49	15 61	14.44	20.0	ND	99 7	83 0	124.0	0.5	75.6	69 8	83.0	124.0	7 8	15 0				L	L	
d bromochloromethane	0 45	ND	22 13	20 0	ND	21 12	20 72	20 0	ND	110 7	78 0	123 0	ND	105 6	103 6	78 0	123 0	1 9	18 0						
1,2-dibromoethane	0.33	ND	21.84	20.0	ND	20 74	20.68	20 0	ND	109.2	79 0	123.0	ND	103 7	103.4	79.0	123.0	0.3	15 0						
1-chlorohexane	NTC	0 49	NS	20 0	ND	NS	NS	20 0	ND	NS	60 0	140 0	ND	NA	NA	60 0	140 0	NA	NA						
chlorobenzene	0.28	ND	20.33	20 0	ND	17 67	16 86	20 0	ND	101 7	70.0	130 0	ND	88.4	84.3	87 0	118 0	4 7	15.0					L	
1 1 1,2 tetrachloroethane	0 61	ND	21 86	20 0	ND	19 63	18 76	20 0	ND	109 3	82 0	123 0	ND	98.2	93 8	82 0	123 0	4 5	15 0						
ethylbenzene	0 27	ND	20.39	20 0	ND	16.47	15 58	20.0	ND	102.0	85.0	121 0	ND	82.4	77.9	85.0	121 0	5 6	15 0				L	L	
m+p-xylene	0.40	ND	40 47	40.0	ND	33 07	30 95	40 0	ND	101.2	86 0	121.0	ND	82 7	77 4	86 0	121 0	6 6	15 0				L	L	
o-xylene	0.22	ND	20.08	20.0	ND	16 75	16.05	20.0	ND	100.4	85.0	121 0	ND	83.8	80.3	85.0	121 0	4.3	15 0				L	L	
styrene	0.28	ND	20 52	20 0	ND	17 78	17 04	20 0	ND	102 6	84 0	120 0	ND	88 9	85.2	84 0	120 0	4.3	15 0						
bromoform	0.53	ND	21.22	20.0	ND	20 83	20.38	20 0	ND	106 1	73 0	124.0	ND	104.2	101.9	73 0	124.0	2.2	22.0						
isopropylbenzene	0 22	0.29	19 94	20 0	ND	15 78	14 68	20 0	0.3	99 7	81 0	124 0	ND	78 9	73 4	81 0	124 0	7.2	15 0				L	L	
1 1,2,2-tetrachloroethane	0 67	ND	21.90	20.0	ND	21 97	21 82	20.0	ND	109.5	72.0	132.0	ND	109 9	109 1	72.0	132 0	0 7	23.0						
1,2,3 trichlo opropane	0 92	ND	23 58	20 0	ND	23 97	23 75	20 0	ND	117 9	72 0	132 0	ND	119 9	118 8	72 0	132 0	0 9	21.0						
trans-1,4-dichloro-2-butene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	60 0	140 0	ND	NS	NS	60.0	140 0	NA	20 0						
propyl benzene	0 19	0 50	20.47	20 0	ND	16.24	15 17	20 0	0 5	102 4	82 0	125 0	ND	81 2	75 9	82 0	125 0	6 8	15 0				L	L	
bromobenzene	0.37	ND	20.02	20.0	ND	18 11	17.43	20.0	ND	100 1	84.0	120.0	ND	90.6	87.2	84.0	120.0	3 8	15.0						
1 3 5-trimethylbenzene	0 22	0 49	20 27	20 0	ND	16 64	15 68	20 0	0 5	101 4	82 0	125 0	ND	83 2	78.4	82 0	125 0	5 9	15 0					L	
2-chlorotoluene	0.38	ND	20.30	20.0	ND	16 16	16.37	20 0	ND	101 5	80 0	128.0	ND	80.8	81 9	80 0	128.0	1.3	15 0						
4-chlorotoluene	0.30	ND	19 85	20 0	ND	18 01	15 98	20 0	ND	99.3	80 0	127 0	ND	90 1	79 9	80 0	127.0	11.9	15 0					L	
alpha-methyl-styrene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tert-butyl-benzene	0.27	0 75	17 99	20 0	ND	14.22	13 72	20 0	0 8	90 0	80 0	121 0	ND	71 1	68 6	80 0	121 0	3 6	15 0				L	L	
1,2 4-trimethylbenzene	0.27	0 54	20.05	20.0	ND	16 92	16.13	20.0	0 5	100.3	84.0	125.0	ND	84.6	80.7	84.0	125.0	4.8	15.0					L	
sec-butyl-benzene	0.23	0 89	18 96	20 0	ND	14.36	13 61	20 0	0 9	94 8	80 0	125 0	ND	71.8	68 1	80 0	125 0	5 4	15.0				L	L	
p-isopropyl-toluene	0.20	0 87	18.92	20 0	ND	14.56	13.92	20.0	0 9	94.6	79 0	133 0	ND	72.8	69.6	79.0	133.0	4.5	15.0				L	L	
1,3-dichlorobenzene	0.32	ND	19 66	20 0	ND	17.20	16 61	20 0	ND	98.3	70 0	130.0	ND	86.0	83 1	70 0	130.0	3 5	15 0						
1 4-dichlorobenzene	0 27	ND	19 79	20 0	ND	17.51	16 92	20 0	ND	99.0	70.0	130 0	ND	87 6	84.6	70 0	130 0	3.4	15.0						
butyl-benzene	0.33	0 87	19 08	20 0	ND	14.37	13 62	20 0	0 9	95 4	78 0	128 0	ND	71 9	68 1	78 0	128 0	5 4	17 0				L	L	
1,2-dichl robenzene	0.30	ND	20.47	20 0	ND	18.74	18.21	20 0	ND	102.4	70 0	130 0	ND	93 7	91 1	70.0	130 0	2.9	15 0						
1,2-dibromo-3-chloropropane	1 70	ND	21.35	20 0	ND	22 49	22 90	20 0	ND	106 8	69 0	125 0	ND	112 5	114 5	69 0	125 0	1 8	26 0						
1,2 4-trichlorobenzene	0.24	0 96	18 92	20 0	ND	16 78	16 72	20.0	1 0	94.6	74.0	124.0	ND	83 9	83.6	74.0	124.0	0 4	20 0						
hexachlorobutadiene	0 45	0 95	17 79	20 0	ND	13 12	12.44	20 0	1 0	89 0	67 0	131 0	ND	65.6	62.2	67 0	131 0	5 3	26 0				L	L	
naphthalene	0.51	0.54	19.51	20.0	ND	19 46	19 68	20.0	0.5	97 6	69 0	126.0	ND	97.3	98.4	69.0	126.0	1 1	24.0						
1,2,3 trichlorobenzene	0 31	1 07	18 98	20 0	ND	17 54	17 48	20 0	1 1	94 9	60 0	137 0	ND	87 7	87 4	60 0	137 0	0 3	33 0						
Surrogates																									
dibromofluoromethane		26.37	26.68	25 0	27.35	27 53	27.41	25 0	105 5	106 7	86	118	109.4	110 1	109.6										
1,2-dichloroethane-d4		28 08	28 15	25 0	29 02	29 61	29 93	25 0	112.3	112.6	80	120	116 1	118 4	119 7										
toluene-d8		27.23	27.22	25.0	26.86	26.64	26.60	25.0	108.9	108.9	88	110	107.4	106.6	106.4										
p-bromofluorobenzene		27.38	27.55	25 0	27 74	27 71	27 75	25 0	109 5	110.2	86	115	111 0	110 8	111 0										

Notes and Definitions.

MDL= Method Detection Limit
BLK= Method Blank
LCS= Laboratory Control Sample
MS/MSD= Matrix Spike / Matrix Spike Duplicate

LCL= Lower Control Limit
UCL= Upper Control Limit
H=Above control limit
L=Below control limit

ND= Non Detected
RPD= Relative Percent Difference
NS=Not spiked
NA=Not applicable

DF=Dilution Factor

Kemron E viroume tal Services -OVL
Volatile Quality Control Summary

Workgroup #	WG61319	Run Date	7/21/99	SMPL Num	07 243-09	LCS DF	1
Method	8260B	Instrument ID	HPMS8	SMPL FLNM	8M9779 D	SMPL DF	10
Matrix	WATER	BLK FLNM	8M9777 D	MS FLNM	8M9780 D	MS DF	10
Units	ug/L	LCS FLNM	8M9776 D	MSD FLNM	8M9781 D	MSD DF	10

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	Blank	LCS	LCS Spike Level	Sample	MS	MSD	MS Spike Level	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MS UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPD
Target Analytes	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	%	%	%	%	%	%	%	%	%	%	%						
dichlorodifluo omethane	0.26	ND	18.52	20 0	ND	129 78	130 54	200 0	ND	92 6	10 0	153 0	ND	64 9	65 3	10 0	153 0	0 6	42 0						
chloromethane	0 52	ND	13 72	20 0	ND	130 66	121 89	200 0	ND	68 6	49 0	129 0	ND	65 3	60 9	49 0	129 0	6 9	30 0						
vinyl hlorid	0 30	ND	14 68	20 0	ND	124 06	114 41	200 0	ND	73 4	57 0	135 0	ND	62 0	57.2	57 0	135 0	8 1	30 0						
bromom thane	0 68	ND	16 32	20 0	ND	161.63	154 17	200 0	ND	81 6	58 0	140 0	ND	80 8	77 1	58 0	140 0	4 7	39 0						
chloroethane	0 44	ND	14 81	20 0	ND	135.22	130.34	200 0	ND	74 1	69 0	126 0	ND	67 6	65 2	69 0	126 0	3 7	27 0				L	L	
trichlorofluo omethane	0 32	ND	18 54	20 0	ND	126 35	135 13	200 0	ND	92 7	67 0	152 0	ND	63.2	67 6	67 0	152 0	6 7	22 0				L		
soprene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
crol in	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 1 2 trichlo o-1,2,2 triflu oethane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
cetone	4 26	ND	20 77	20 0	39 12	198 76	191 00	200 0	ND	103 9	40 0	142 0	39	79 8	75 9	40 0	142 0	4 0	40 0						
1 1-dichl roethene	0.31	ND	19.38	20 0	0 67	164 58	154 06	200 0	ND	96 9	81 0	130 0	0 7	82.0	76 7	81 0	130 0	6 6	18 0					L	
d methyl s lfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
odomethan	NTC	ND	NS	NS	3 95	NS	NS	NS	ND	NS	NA	NA	4 0	NS	NS	NA	NA	NA	NA						
m thylen hloride	0 74	ND	21 95	20 0	7 88	227 43	214 85	200 0	ND	109 8	76 0	125 0	7 9	109 8	103 5	76 0	125 0	5 7	19 0						
carbo disulfide	0.23	ND	13 26	20 0	ND	115 50	107 03	200.0	ND	66 3	70 0	138 0	ND	57 8	53 5	70 0	138 0	7 6	20 0		L		L	L	
acrylo tril	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
m thyl tert butyl eth r	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
trans 1,2-d hlo oethene	0 22	ND	20 96	20 0	ND	194.21	178 88	200 0	ND	104 8	86 0	135 0	ND	97 1	89 4	86 0	135 0	8.2	16 0						
hexan	NTC	ND	NS	NS	3 61	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
i yl acetate	1 00	ND	11 64	20 0	ND	109 86	105 43	200 0	ND	58.2	10 0	136 0	ND	54 9	52 7	10 0	136 0	4 1	66 0						
1 1-d chloroethane	0.23	ND	19.20	20 0	ND	180 88	170 19	200 0	ND	96 0	84 0	127 0	ND	90 4	85 1	84 0	127 0	6 1	15 0						
2 b tan e	2 00	ND	24 65	20 0	9 18	220.08	207 38	200 0	ND	123 3	61 0	137 0	9.2	105 5	99 1	61 0	137 0	5 9	30 0						
2,2-dichl ropropan	0.26	ND	18.56	20 0	ND	151 14	146 97	200 0	ND	92 8	79 0	130 0	ND	75 6	73 5	79 0	130 0	2 8	17 0				L	L	
s-1,2-dichl oethene	0 24	ND	20 10	20 0	ND	196 85	183 97	200 0	ND	100 5	82 0	121 0	ND	98 4	92 0	82 0	121 0	6 8	15 0						
hl roform	0 21	ND	19 74	20 0	1 07	181 41	176 82	200.0	ND	98 7	85 0	121 0	1 1	90.2	87 9	85 0	121 0	2 6	15 0						
bromochloromethane	0.21	ND	22 41	20 0	ND	220 96	205 47	200 0	ND	112 1	85 0	121 0	ND	110 5	102 7	85 0	121 0	7.3	15 0						
1 1 1 trichlo oethane	0 30	ND	18.38	20 0	ND	147 45	147 70	200.0	ND	91 9	78 0	127 0	ND	73 7	73 9	78 0	127 0	0 2	17 0				L	L	
cycl h xane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 1-dichlorop pene	0.29	ND	20 89	20 0	ND	174 91	167 72	200 0	ND	104 5	91 0	133 0	ND	87 5	83 9	91 0	133.0	4 2	15 0				L	L	
carbon tetrachloride	0 30	ND	18 72	20 0	ND	142 76	146 27	200 0	ND	93 6	70 0	130 0	ND	71 4	73 1	70 0	130 0	2.4	20 0						
1,2 dichl roethane	0 17	ND	18.30	20 0	ND	166 33	167 05	200 0	ND	91 5	78 0	128 0	ND	83.2	83 5	78 0	128 0	0 4	17 0						
benzene	0 20	ND	19 70	20 0	ND	190 26	176 81	200 0	ND	98 5	87 0	118 0	ND	95 1	88 4	87 0	118 0	7 3	15 0						
trichlo oethene	0.30	ND	19.37	20 0	1.24	179 17	165 08	200 0	ND	96 9	83 0	123 0	1.2	89 0	81 9	83 0	123 0	8 2	15 0					L	
1,2-d chl op pane	0.20	ND	19 91	20 0	ND	199 75	184 64	200 0	ND	99 6	81 0	121 0	ND	99 9	92.3	81 0	121 0	7 9	15 0						
bromodichloromethane	0.24	ND	20 30	20 0	ND	187 84	184 85	200.0	ND	101 5	81 0	126 0	ND	93 9	92.4	81 0	126 0	1 6	16 0						
dibromomethane	0.25	ND	22.61	20 0	ND	214 48	206 81	200 0	ND	113 1	83 0	122 0	ND	107.2	103.4	83 0	122 0	3 6	15 0						
2-chloroethylvinyl ether	0 79	ND	54.34	20 0	ND	943 73	560.41	200.0	ND	271 7	45 0	154 0	ND	471 9	280.2	45 0	154 0	51 0	46 0		H		H	H	H
4-methyl-2 pentanone	1.27	ND	24 02	20 0	ND	230.63	224 85	200 0	ND	120 1	66 0	132 0	ND	115.3	112.4	66 0	132 0	2 5	33 0						
cis-1,3-di hlor propene	0 15	ND	21 10	20.0	ND	203 58	193 98	200 0	ND	105 5	82 0	124 0	ND	101 8	97 0	82 0	124 0	4 8	15 0						
d methyl disulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
toluene	0.21	ND	20 13	20 0	1 71	190 52	179 54	200 0	ND	100 7	84 0	123 0	1 7	94 4	88 9	84 0	123.0	5 9	15 0						
ethyl methacrylate	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
trans 1,3-dichloropropene	0.33	ND	20.85	20 0	ND	192 96	189 70	200 0	ND	104.3	80 0	124 0	ND	96.5	94 9	80 0	124 0	1 7	15 0						
1 1,2 trichl roethane	0 45	ND	22 70	20 0	ND	214 71	208 02	200 0	ND	113 5	78 0	122 0	ND	107 4	104 0	78.0	122 0	3.2	15 0						

Kemro E viro mental Services -OVL
Volatile Quality Control Summary

Workgroup #	WG61319	Run Date.	7/21/99	SMPL Num.	07 243-09	LCS DF	1
Method	8260B	Instrument ID-	HPMS8	SMPL FLNM	8M9779 D	SMPL DF	10
Matrix	WATER	BLK FLNM	8M9777 D	MS FLNM	8M9780 D	MS DF	10
Units	ug/L	LCS FLNM	8M9776 D	MSD FLNM	8M9781 D	MSD DF	10

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	BLK	LCS	LCS Spike Level	SMPL	MS	MSD	MS Spike Level	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MSD UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPD
Target A alytes	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	g/L	%	%	%	%	%	%	%	%	%	%	%						
2 hexano	1 39	ND	25.36	20 0	ND	247 25	236 61	200 0	ND	126 8	57.0	130 0	ND	123 6	118.3	57 0	130.0	4 4	31 0						
1,3-dichl ropropane	0.33	ND	22 47	20 0	ND	213.57	206 09	200 0	ND	112 4	78 0	123 0	ND	106 8	103 0	78 0	123 0	3 6	15.0						
tetra hloroethene	0.28	ND	17 84	20 0	ND	151 09	145 92	200 0	ND	89.2	83 0	124 0	ND	75 5	73 0	83 0	124 0	3.5	15 0				L	L	
dib omochloromethane	0 45	ND	22.26	20 0	ND	208 36	204 75	200 0	ND	111 3	78 0	123 0	ND	104 2	102.4	78 0	123 0	1 7	18 0						
1,2-dibromoethane	0.33	ND	23 71	20 0	ND	224 46	218 27	200 0	ND	118 6	79.0	123 0	ND	112 2	109 1	79 0	123 0	2 8	15 0						
1-chlorohexane	NTC	ND	20.26	20 0	ND	162 84	165 81	200 0	ND	101.3	60 0	140 0	ND	81 4	82 9	60 0	140 0	1.8	NA						
chlo benzene	0 28	ND	20 24	20 0	ND	194 01	188.67	200.0	ND	101 2	70 0	130 0	ND	97 0	94.3	87 0	118 0	2 8	15 0						
1 1 1,2 tetrachlo oethane	0 61	ND	21.29	20 0	ND	197 86	194 00	200 0	ND	106 5	82 0	123 0	ND	98 9	97 0	82 0	123 0	2 0	15 0						
ethylbenzene	0.27	ND	19 56	20 0	0 73	179 81	174 24	200 0	ND	97 8	85 0	121 0	0 7	89 5	86 8	85 0	121 0	3 1	15 0						
m+p xylene	0 40	ND	38.39	40 0	3 03	357 90	345 93	400.0	ND	96.0	86 0	121 0	3 0	88 7	85 7	86 0	121 0	3 4	15 0					L	
o-xylene	0 22	ND	19 47	20 0	2 80	186 79	182 21	200 0	ND	97.4	85 0	121 0	2 8	92 0	89 7	85 0	121 0	2 5	15 0						
styren	0 28	ND	20.35	20 0	ND	194 87	189 15	200 0	ND	101 8	84 0	120 0	ND	97 4	94 6	84 0	120 0	3 0	15 0						
br mof rm	0.53	ND	21 17	20 0	ND	192 28	191 19	200 0	ND	105 9	73 0	124 0	ND	96.1	95 6	73 0	124 0	0 6	22 0						
isopropylbenzene	0 22	ND	18 55	20 0	ND	165 08	159 04	200 0	ND	92 8	81.0	124 0	ND	82 5	79.5	81 0	124 0	3 7	15 0					L	
1 1 2,2-tetrachloroethane	0 67	ND	27 17	20 0	ND	264 50	251 72	200 0	ND	135 9	72.0	132 0	ND	132.3	125 9	72 0	132 0	5 0	23 0		H		H		
1,2,3 trichloropropane	0 92	ND	26 66	20 0	ND	249.53	241 21	200 0	ND	133 3	72 0	132 0	ND	124 8	120 6	72 0	132 0	3 4	21 0		H				
trans 1 4-d chloro-2 butene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	60 0	140 0	ND	NS	NS	60 0	140 0	NA	20.0						
p pyl benzene	0 19	ND	21 32	20 0	ND	194 69	188.30	200 0	ND	106 6	82 0	125 0	ND	97.3	94 2	82 0	125 0	3.3	15 0						
br mobenzene	0 37	ND	21 56	20 0	ND	212 84	205 57	200 0	ND	107 8	84 0	120 0	ND	106 4	102 8	84 0	120 0	3 5	15 0						
1,3 5-trimethylbenzen	0 22	ND	20.33	20 0	1.27	186 84	180 89	200 0	ND	101 7	82 0	125 0	1.3	92 8	89 8	82 0	125 0	3.2	15 0						
2-chlorotoluene	0 38	ND	20 16	20 0	ND	201 53	197 81	200 0	ND	100 8	80 0	128 0	ND	100 8	98 9	80 0	128 0	1 9	15.0						
4-chlo toluene	0.30	ND	21 89	20 0	ND	204 30	194 15	200 0	ND	109 5	80 0	127 0	ND	102 2	97 1	80 0	127 0	5 1	15 0						
alpha methyl styren	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tert butyl benzene	0 27	0 35	19 96	20 0	ND	178 62	175 26	200 0	0 4	99 8	80 0	121 0	ND	89.3	87 6	80 0	121 0	1 9	15 0						
1 2 4-trimethylbenzene	0.27	0 28	20 58	20 0	4.21	187 14	180 38	200.0	0.3	102 9	84 0	125 0	4.2	91 5	88.1	84 0	125 0	3 7	15 0						
sec butyl benzen	0 23	0 54	19 43	20 0	ND	166.35	164 76	200 0	0.5	97 2	80 0	125 0	ND	83.2	82 4	80 0	125 0	1 0	15 0						
p-isopr pyl toluene	0.20	0 48	18.63	20 0	ND	158 41	156 74	200 0	0 5	93.2	79 0	133 0	ND	79.2	78 4	79 0	133 0	1 1	15 0					L	
1,3-dichlorobenzene	0 32	ND	20.26	20 0	ND	198 99	192 08	200 0	ND	101 3	70 0	130 0	ND	99 5	96 0	70 0	130 0	3 5	15 0						
1 4-dichlorobenzene	0.27	ND	20 34	20 0	ND	200 64	194 41	200 0	ND	101 7	70 0	130 0	ND	100.3	97 2	70 0	130 0	3 2	15 0						
n-butyl benzene	0 33	0 76	19 72	20 0	1.34	156 47	154 55	200 0	0 8	98 6	78 0	128.0	1.3	77 6	76 6	78 0	128 0	1.2	17.0				L	L	
1,2-d chl robenzen	0 30	ND	21.56	20 0	ND	212.16	206 35	200 0	ND	107 8	70 0	130.0	ND	106 1	103.2	70 0	130 0	2 8	15 0						
1,2-dibromo-3-chloropropane	1 70	ND	24.65	20 0	ND	231.27	224 06	200 0	ND	123.3	69 0	125 0	ND	115 6	112 0	69 0	125 0	3 2	26 0						
1,2 4-trichlorobenzene	0.24	0 54	19.41	20 0	ND	174.20	171 46	200 0	0 5	97 1	74 0	124.0	ND	87 1	85 7	74 0	124.0	1 6	20 0						
hexachlorobutadiene	0 45	1 12	17.35	20 0	5 02	146 64	145 44	200 0	1 1	86 8	67 0	131 0	5 0	70 8	70.2	67 0	131.0	0 8	26 0						
naphthalene	0 51	ND	22 16	20 0	14 32	206 43	197 12	200 0	ND	110 8	69 0	126 0	14.3	96 1	91 4	69 0	126 0	4 6	24 0						
1,2 3 tri hlorobenzene	0 31	0 59	19 78	20 0	ND	179 20	177 41	200 0	0 6	98 9	60 0	137 0	ND	89 6	88 7	60 0	137 0	1 0	33 0						
Surrogates																									
dibromofluoromethane		26.23	26 47	25 0	25 84	25.66	25 90	25 0	104 9	105 9	86	118	103 4	102 6	103 6										
1,2-dichloroethane-d4		23 50	23 40	25 0	22 01	21 11	21 98	25 0	94 0	93 6	80	120	88.0	84 4	87 9										
toluene-d8		25 77	25 77	25 0	25 66	25.67	26 12	25 0	103 1	103 1	88	110	102.6	102 7	104.5										
p-bromofluorobenzene		28 37	28 76	25 0	28.29	28 57	29 19	25 0	113 5	115 0	86	115	113.2	114.3	116 8						H			H	

Notes and Defi itions

MDL= Method Detecti n Limit
BLK= Method Blank
LCS= Laboratory Control Sample
MS/MSD= Matrix Spike / Matrix Spike Duplicate

LCL= Lower Control Limit
UCL= Upper Control Limit
H=Above control limit
L=Below control limit

ND= Non Detected
RPD= Relative Percent Difference
NS=Not spiked
NA=Not applicable

DF=Dilution Factor

Kemron En ironm ntal Services -OVL
Volatile Quality Control Summary

Workgroup #·	WG61281	Run Date·	7/21/99	SMPL Num	07 154-10	LCS DF	1
Method	8260B	Instrument ID·	HPMS9	SMPL FLNM	9M4213 D	SMPL DF	100
Matrix.	WATER	BLK FLNM.	9M4201.D	MS FLNM	9M4214 D	MS DF	100
Units	ug/L	LCS FLNM.	9M4202.D	MSD FLNM	9M4215 D	MSD DF	100

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	Blank	LCS	LCS Spike Level	Sample	MS	MSD	MS Spik Level	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MS UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPD
Targ t Analytes	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	%	%	%	%	%	%	%	%	%	%	%						
di hlorodifluoromethane	0 26	ND	25 81	20 0	ND	2499 08	2545 37	2000 0	ND	129 1	10 0	153 0	ND	125 0	127 3	10 0	153.0	1 8	42.0						
chloromethane	0 52	ND	19 48	20 0	ND	1964 21	2069 86	2000 0	ND	97 4	49 0	129 0	ND	98 2	103 5	49 0	129 0	5 2	30 0						
vinyl chloride	0 30	ND	22 10	20 0	ND	2259 25	2348 96	2000 0	ND	110 5	57 0	135 0	ND	113 0	117 4	57 0	135 0	3.9	30 0						
bromomethan	0 68	ND	24 29	20 0	ND	2238 81	2463 71	2000 0	ND	121 5	58 0	140 0	ND	111 9	123 2	58 0	140 0	9 6	39 0						
hloroethane	0 44	ND	21 18	20 0	ND	2090 10	2180 85	2000 0	ND	105 9	69.0	126 0	ND	104 5	109.0	69 0	126 0	4 2	27 0						
tri hlorofluoromethane	0 32	ND	23 07	20 0	ND	2257 20	2285 86	2000 0	ND	115 4	67 0	152 0	ND	112 9	114 3	67 0	152 0	1 3	22 0						
isoprene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
acrolein	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 2-trichloro-1 2,2-trifluoroethan	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
acetone	4 26	ND	21 47	20 0	ND	1818 61	1904 05	2000 0	ND	107 4	40 0	142 0	ND	90 9	95 2	40 0	142 0	4 6	40 0						
1 1-dichloroethen	0 31	ND	22 52	20 0	ND	2199 55	2282 71	2000 0	ND	112 6	81 0	130.0	ND	110 0	114 1	81 0	130 0	3 7	18 0						
dimethyl ulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
iodomethane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
m thylene chloride	0 74	ND	22 40	20 0	ND	2201 72	2234 35	2000 0	ND	112 0	76 0	125 0	ND	110 1	111 7	76 0	125 0	1 5	19 0						
carbon disulfide	0 23	ND	15 35	20 0	ND	1496.30	1540 80	2000 0	ND	76 8	70 0	138 0	ND	74 8	77 0	70.0	138 0	2.9	20 0						
acrylonitrl	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
methyl-tert butyl eth r	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
trans 1 2-dichloroethene	0 22	ND	24 15	20 0	32 69	2432 97	2485 86	2000 0	ND	120 8	86 0	135 0	32 7	120 0	122.7	86 0	135 0	2 2	16 0						
n hexan	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
vinyl acetate	1 00	ND	12.15	20 0	ND	956 85	1022 45	2000 0	ND	60 8	10 0	136 0	ND	47 8	51 1	10 0	136 0	6 6	66 0						
1 1-dichl roethane	0 23	ND	21 58	20.0	ND	2251 43	2245 78	2000 0	ND	107 9	84 0	127.0	ND	112 6	112.3	84 0	127 0	0.3	15 0						
2 butanone	2 00	ND	20 03	20 0	ND	1687 82	1752 45	2000 0	ND	100 2	61 0	137 0	ND	84 4	87 6	61 0	137 0	3 8	30 0						
2 2-dichloropropane	0 26	ND	24 16	20 0	ND	1886 50	1887 09	2000 0	ND	120 8	79 0	130 0	ND	94 3	94 4	79 0	130 0	0 0	17 0						
is-1 2-dichloroeth n	0 24	ND	22 48	20 0	1922 43	4314 40	4337 66	2000 0	ND	112 4	82 0	121 0	1922 4	119 6	120 8	82 0	121 0	0 5	15 0						
chloroform	0 21	ND	23 14	20 0	ND	2313.86	2332.75	2000 0	ND	115 7	85 0	121 0	ND	115 7	116 6	85 0	121 0	0 8	15 0						
bromochloromethan	0 21	ND	24 10	20 0	ND	2390 02	2408 85	2000 0	ND	120 5	85 0	121 0	ND	119 5	120 4	85 0	121 0	0 8	15 0						
1 1 1-trichloroethane	0 30	ND	24 36	20 0	331 71	2703 40	2723 98	2000 0	ND	121 8	78 0	127 0	331 7	118 6	119 6	78 0	127 0	0 8	17 0						
cyclohexane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 1-dichloropropen	0 29	ND	24 84	20.0	ND	2436.90	2484 77	2000.0	ND	124 2	91 0	133.0	ND	121 8	124.2	91 0	133 0	1 9	15 0						
carbon tetrachloride	0 30	ND	25 50	20 0	ND	2506 04	2529 48	2000 0	ND	127 5	70 0	130 0	ND	125 3	126 5	70 0	130 0	0 9	20 0						
1 2-dichloroethane	0 17	ND	22 56	20 0	ND	2300.95	2292 61	2000 0	ND	112 8	78 0	128 0	ND	115 0	114.6	78 0	128 0	0 4	17 0						
benzene	0 20	ND	22 60	20 0	ND	2324 87	2344 12	2000 0	ND	113 0	87 0	118 0	ND	116 2	117 2	87 0	118 0	0 8	15 0						
tri hloroethene	0 30	ND	23 26	20 0	8178 51	10050 15	10019 44	2000 0	ND	116 3	83 0	123 0	8178 5	93 6	92 0	83 0	123 0	0 3	15 0						
1 2-di hlo opr pan	0 20	ND	20 70	20 0	ND	2134 47	2136 03	2000 0	ND	103 5	81 0	121 0	ND	106 7	106 8	81 0	121 0	0 1	15 0						
bromodi hloromethane	0 ..4	ND	23 69	20 0	ND	2346 27	2372 48	2000 0	ND	118 5	81 0	126 0	ND	117.3	118 6	81 0	126 0	1 1	16 0						
dibromomethan	0 25	ND	23 34	20 0	ND	2342 11	2341 95	2000 0	ND	116 7	83 0	122 0	ND	117 1	117 1	83 0	122 0	0 0	15 0						
2-chloroethylvinyl ether	0 79	ND	6 78	20 0	ND	51 93	66 42	2000 0	ND	33.9	45 0	154 0	ND	2 6	3 3	45 0	154 0	24 5	46 0		L		L	L	
4-methyl 2 pentanone	1 27	ND	23 70	20 0	ND	2113 12	2202 55	2000 0	ND	118 5	66 0	132 0	ND	105 7	110 1	66 0	132.0	4 1	33 0						
cis 1,3-dichloropropene	0 15	ND	23 97	20 0	ND	2310.82	2312.24	2000 0	ND	119 9	82.0	124 0	ND	115 5	115 6	82.0	124 0	0 1	15 0						
dimethyl disulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
toluene	0.21	ND	21 24	20 0	ND	2137 45	2154 18	2000.0	ND	106 2	84 0	123 0	ND	106.9	107 7	84 0	123 0	0 8	15 0						
thyl methacrylate	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
trans 1,3 dichloropropene	0 33	ND	20 91	20 0	ND	1983 17	1992 84	2000 0	ND	104 6	80 0	124 0	ND	99 2	99 6	80 0	124.0	0 5	15 0						
1 1 2 tri hloroethan	0 45	ND	21 03	20 0	ND	2143 55	2141 23	2000 0	ND	105 2	78 0	122 0	ND	107 2	107 1	78 0	122 0	0 1	15 0						

Kemron Environmental Services -OVL
Volatil Quality Control Summary

Workgroup #:	WG61281	**Run Date**	7/21/99	SMPL Num.	07 154-10	**LCS DF:**	1
Method:	8260B	**Instrument ID:**	HPMS9	SMPL FLNM.	9M4213 D	**SMPL DF:**	100
Matrix.	WATER	**BLK FLNM.**	9M4201.D	MS FLNM.	9M4214 D	**MS DF:**	100
Units	ug/L	**LCS FLNM.**	9M4202.D	MSD FLNM.	9M4215 D	**MSD DF**	100

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	BLK	LCS	LCS Spike Level	SMPL	MS	MSD	MS Spike Level	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MSD UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPD
Target Analytes	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	%	%	%	%	%	%	%	%	%	%	%						
2 hexanone	1 39	ND	18 77	20 0	ND	1729.96	1743 42	2000 0	ND	93 9	57.0	130 0	ND	86 5	87.2	57 0	130 0	0 8	31 0						
1 3-dichloropropane	0 33	ND	20 24	20 0	ND	2025 14	2018 80	2000 0	ND	101 2	78 0	123 0	ND	101 3	100 9	78 0	123 0	0 3	15 0						
tetrachloroethene	0.28	ND	21 39	20 0	ND	2080 95	2097.26	2000 0	ND	107 0	83 0	124 0	ND	104 0	104 9	83 0	124 0	0 8	15 0						
dibromochloromethane	0 45	ND	23 23	20 0	ND	2253 82	2249 83	2000 0	ND	116 2	78 0	123 0	ND	112 7	112.5	78 0	123 0	0 2	18 0						
1 2 dibromoethane	0 33	ND	21 29	20 0	ND	2058 86	2075.91	2000 0	ND	106 5	79 0	123.0	ND	102.9	103 8	79 0	123 0	0 8	15 0						
1-chlorohexane	NTC	ND	21 86	20 0	ND	2116 88	2126 19	2000 0	ND	109 3	60 0	140 0	ND	105 8	106 3	60 0	140 0	0 4	NA						
chlorobenzene	0 28	ND	21 12	20 0	ND	2143 16	2139.07	2000 0	ND	105 6	70 0	130.0	ND	107 2	107 0	87 0	118 0	0.2	15 0						
1 1 1 2-tetrachloroethane	0 61	ND	22 90	20 0	ND	2268 64	2275 83	2000 0	ND	114 5	82 0	123 0	ND	113 4	113 8	82 0	123 0	0 3	15 0						
ethylbenzene	0.27	ND	21 25	20 0	ND	2138.22	2170 54	2000 0	ND	106.3	85 0	121 0	ND	106 9	108.5	85 0	121 0	1 5	15 0						
m+p-xylene	0 40	ND	43 69	40 0	ND	4392 22	4431 30	4000 0	ND	109 2	86 0	121 0	ND	109 8	110 8	86 0	121 0	0 9	15 0						
o-xylene	0 22	ND	21 19	20 0	ND	2122 99	2135.95	2000 0	ND	106 0	85 0	121 0	ND	106 1	106 8	85 0	121 0	0 6	15 0						
tyre	0 28	ND	22 06	20 0	ND	2228 61	2223 26	2000 0	ND	110 3	84 0	120 0	ND	111 4	111 2	84 0	120 0	0 2	15 0						
bromoform	0 53	ND	23 84	20 0	ND	2331 17	2327.27	2000 0	ND	119 2	73 0	124.0	ND	116 6	116 4	73 0	124 0	0 2	22.0						
isopropylbenzene	0 22	ND	22 33	20 0	ND	2203 99	2234 95	2000 0	ND	111 7	81 0	124 0	ND	110 2	111 7	81 0	124 0	1 4	15 0						
1 1,2 2-tetrachloroethane	0 67	ND	19 67	20 0	ND	1959 79	1971 72	2000 0	ND	98 4	72 0	132.0	ND	98.0	98 6	72 0	132 0	0.6	23 0						
1 2,3 trichloropropan	0 92	ND	20 60	20 0	ND	2003 63	2003 29	2000 0	ND	103 0	72 0	132 0	ND	100 2	100 2	72 0	132 0	0 0	21 0						
trans-1 4-dichloro-2 butene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	60 0	140 0	ND	NS	NS	60 0	140 0	NA	20 0						
propyl benzene	0 19	ND	21 23	20 0	ND	2072 64	2101 16	2000 0	ND	106 2	82 0	125 0	ND	103 6	105 1	82 0	125 0	1 4	15 0						
bromobenzene	0 37	ND	20 61	20 0	ND	1988 49	2026 41	2000 0	ND	103 1	84 0	120.0	ND	99 4	101 3	84 0	120 0	1 9	15 0						
1 3 5 trimethylbenzene	0 22	ND	21 35	20 0	ND	2063 81	2102 57	2000 0	ND	106 8	82 0	125 0	ND	103 2	105 1	82 0	125 0	1 9	15 0						
2-chlorotoluene	0 38	ND	20 31	20 0	ND	1931 60	2027 48	2000 0	ND	101 6	80 0	128.0	ND	96 6	101 4	80.0	128 0	4 8	15 0						
4-chlorotoluene	0 30	ND	20 30	20 0	ND	2024 42	1994 48	2000 0	ND	101 5	80 0	127 0	ND	101 2	99 7	80 0	127 0	1 5	15 0						
alpha methyl styrene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
t rt butyl-benzene	0 27	ND	21 84	20 0	ND	2094 51	2125 74	2000 0	ND	109 2	80 0	121 0	ND	104 7	106 3	80 0	121 0	1 5	15 0						
1 2,4-trimethylbenzene	0 27	ND	20 58	20 0	ND	2003 96	2025 38	2000 0	ND	102.9	84 0	125 0	ND	100 2	101 3	84 0	125 0	1 1	15 0						
sec butyl-benzene	0 23	ND	20 36	20 0	ND	1976 86	2015 28	2000 0	ND	101 8	80 0	125 0	ND	98 8	100 8	80 0	125 0	1 9	15 0						
p-isopropyl-toluene	0.20	ND	20 28	20 0	ND	1947 83	1980 62	2000.0	ND	101 4	79 0	133 0	ND	97 4	99.0	79 0	133 0	1 7	15 0						
1 3-dichlorobenzene	0 32	ND	20 45	20 0	ND	1969 22	1994 19	2000 0	ND	102 3	70 0	130 0	ND	98 5	99 7	70 0	130 0	1 3	15 0						
1 4-dichlorobenzene	0 27	ND	20 31	20 0	ND	1963.24	1974 28	2000 0	ND	101 6	70 0	130 0	ND	98 2	98 7	70 0	130 0	0 6	15 0						
n butyl-benzene	0 33	ND	20 33	20 0	ND	1924 22	1954 37	2000 0	ND	101 7	78 0	128 0	ND	96 2	97 7	78 0	128 0	1 6	17 0						
1,2-dichlorobenzene	0 30	ND	20 89	20.0	ND	2005 84	2030 06	2000.0	ND	104 5	70 0	130 0	ND	100 3	101 5	70 0	130 0	1 2	15 0						
1 2-d bromo-3-chloropropan	1 70	ND	21 57	20 0	ND	1869 23	1932 72	2000 0	ND	107 9	69 0	125 0	ND	93 5	96 6	69 0	125 0	3 3	26 0						
1 4 trichlorobenzene	0 24	0 31	20 87	20 0	ND	1836 93	1870 13	2000 0	0 3	104 4	74 0	124 0	ND	91 8	93 5	74 0	124 0	1 8	20 0						
h xachl robutadiene	0 45	0 89	16 94	20 0	ND	1503 05	1560 04	2000 0	0 9	84 7	67 0	131 0	ND	75 2	78 0	67 0	131 0	3 7	26 0						
naphthalene	0 51	ND	21 64	20 0	ND	1920 50	1944 40	2000 0	ND	108 2	69 0	126.0	ND	96 0	97 2	69 0	126 0	1 2	24 0						
1 2,3 trichlorobenzene	0 31	0 48	19 94	20 0	ND	1766 18	1806 77	2000 0	0 5	99 7	60 0	137 0	ND	88 3	90 3	60 0	137 0	2 3	33 0						
Surr gates																									
dibromofluoromethane		26 73	27 22	25 0	27 08	27 03	26 89	25 0	106 9	108 9	86	118	108.3	108 1	107 6										
1 2-dichloroethan -d4		26 31	26 39	25 0	26 91	26 27	25 94	25 0	105 2	105 6	80	120	107 6	105 1	103 8										
toluene-d8		25 12	24 95	25 0	25 12	24 90	24.91	25 0	100.5	99 8	88	110	100 5	99 6	99.6										
p-b omofluorobenzene		25 09	24 22	25 0	24 95	23 49	23 65	25 0	100 4	96 9	86	115	99 8	94 0	94 6										

Notes and Definitions

MDL= Method Detection Limit
BLK= Method Blank
LCS= Laboratory Control Sample
MS/MSD= Matrix Spike / Matrix Spike Duplicate

LCL= Lower Control Limit
UCL= Upper Control Limit
H=Above control limit
L=Below control limit

ND= Non Detected
RPD= Relative Percent Difference
NS=Not spiked
NA Not applicable

DF=Dilution Factor

Kemron Environmental Services -OVL
Volatile Q ality Control Summary

Workgroup #	WG61349	Run Date.	7/22/99	SMPL Num	07 191 11	LCS DF	1
Method	8260B	Instrument ID	HPMS8	SMPL FLNM	8M9804 D	SMPL DF	10
Matrix	WATER	BLK FLNM	8M9801 D	MS FLNM	8M9805 D	MS DF	10
Units	ug/L	LCS FLNM	8M9800 D	MSD FLNM	8M9806 D	MSD DF	10

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	Blank	LCS	LCS Spike Level	Sample	MS	MSD	MS Spike Level	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MS UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPD
Target Analytes	ug/L	ug/L	ug/L	ug/L	g/L	ug/L	ug/L	ug/L	%	%	%	%	%	%	%	%	%	%	%						
dichlorodifluoromethane	0.26	ND	20.25	20 0	ND	201 40	199 59	200.0	ND	101.3	10 0	153.0	ND	100.7	99.8	10.0	153 0	0 9	42.0						
chloromethane	0 52	ND	14 44	20 0	ND	142.29	138 09	200 0	ND	72.2	49 0	129 0	ND	71 1	69 0	49 0	129 0	3 0	30 0						
vinyl chloride	0 30	ND	15 60	20 0	ND	154.42	149.83	200 0	ND	78.0	57 0	135 0	ND	77.2	74.9	57.0	135 0	3 0	30 0						
bromomethane	0 68	ND	16 97	20 0	ND	166 53	164 35	200 0	ND	84 9	58 0	140 0	ND	83.3	82.2	58 0	140 0	1.3	39 0						
chloroethane	0.44	ND	15.47	20 0	ND	148.01	149 41	200.0	ND	77 4	69 0	126 0	ND	74.0	74 7	69 0	126.0	0 9	27 0						
trichlorofl romethane	0.32	ND	20 15	20 0	ND	168.25	184 07	200 0	ND	100 8	67 0	152 0	ND	84 1	92 0	67 0	152 0	9 0	22 0						
isoprene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
acrolein	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 1,2 trichloro-1,2,2-trifluoroethane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
acetone	4 26	ND	18 05	20 0	52 89	226.34	247 99	200 0	ND	90.3	40 0	142 0	53	86 7	97 6	40 0	142 0	9 1	40 0						
1 1-d hloroethene	0.31	ND	20 57	20 0	ND	202.95	202 03	200 0	ND	102.9	81 0	130 0	ND	101 5	101 0	81 0	130 0	0.5	18 0						
d methyl sulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
iodomethane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
methylene chloride	0 74	ND	22.32	20 0	ND	231.36	222.86	200 0	ND	111 6	76 0	125 0	ND	115 7	111 4	76 0	125 0	3 7	19 0						
carbon disulfide	0.23	ND	11.21	20.0	ND	118 61	112.97	200.0	ND	56 1	70 0	138.0	ND	59.3	56 5	70 0	138.0	4.9	20 0		L		L	L	
acrylonitrile	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
methyl-tert-butyl ether	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
trans-1,2-dichloroethene	0 22	ND	21 53	20 0	ND	213 61	213 41	200 0	ND	107 7	86 0	135 0	ND	106 8	106 7	86 0	135 0	0 1	16 0						
n-hexane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
vinyl acetate	1 00	ND	8.46	20 0	ND	92 54	92 80	200 0	ND	42.3	10 0	136 0	ND	46.3	46 4	10 0	136 0	0.3	66 0						
1 1-dichloroethane	0 23	ND	19.40	20 0	ND	189 56	189 70	200 0	ND	97 0	84.0	127 0	ND	94.8	94.9	84 0	127 0	0.1	15.0						
2 butanone	2 00	ND	21 74	20 0	ND	252 70	267 92	200 0	ND	108 7	61 0	137 0	ND	126 4	134 0	61 0	137 0	5 8	30 0						
2,2-dichloropropane	0.26	ND	19.62	20.0	ND	169.76	171 00	200.0	ND	98 1	79 0	130.0	ND	84.9	85 5	79 0	130.0	0 7	17.0						
s-1,2-dichloroethene	0.24	ND	20 54	20 0	ND	201.24	201 18	200 0	ND	102 7	82.0	121 0	ND	100 6	100 6	82 0	121 0	0 0	15 0						
chloroform	0.21	ND	19.90	20.0	ND	183 06	187.42	200 0	ND	99 5	85 0	121 0	ND	91.5	93 7	85 0	121 0	2.4	15 0						
bromochloromethane	0.21	ND	21 99	20 0	ND	222.74	224 52	200 0	ND	110 0	85 0	121 0	ND	111 4	112.3	85.0	121 0	0 8	15 0						
1 1 1-trichloroethane	0.30	ND	19 48	20 0	ND	168 13	175 75	200 0	ND	97.4	78.0	127 0	ND	84 1	87.9	78.0	127 0	4.4	17 0						
cyclohexane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 1-dichloropropene	0.29	ND	21 66	20.0	ND	207 78	210.52	200.0	ND	108.3	91.0	133.0	ND	103.9	105.3	91.0	133.0	1.3	15 0						
carbon tetrachloride	0.30	ND	20 41	20 0	ND	172 95	184.23	200 0	ND	102 1	70 0	130 0	ND	86 5	92 1	70 0	130 0	6.3	20 0						
1,2-dichloroethane	0 17	ND	18 11	20.0	ND	166.58	175 74	200.0	ND	90 6	78 0	128.0	ND	83.3	87 9	78 0	128.0	5.4	17 0						
benzene	0.20	ND	19 96	20 0	ND	198 70	196 51	200 0	ND	99 8	87 0	118 0	ND	99 4	98.3	87 0	118 0	1 1	15 0						
trichloroethene	0.30	ND	19 76	20.0	ND	193.83	192 69	200.0	ND	98.8	83 0	123.0	ND	96.9	96.3	83 0	123 0	0.6	15 0						
1,2-dichloropropan	0.20	ND	19 81	20 0	ND	197.37	194.23	200 0	ND	99 1	81 0	121 0	ND	98 7	97 1	81.0	121 0	1.6	15 0						
bromodichloromethane	0.24	ND	20 16	20 0	ND	183 81	191 01	200 0	ND	100.8	81 0	126 0	ND	91 9	95.5	81 0	126 0	3.8	16 0						
dibromomethane	0.25	ND	22 09	20 0	ND	225 02	226 86	200 0	ND	110 5	83 0	122 0	ND	112 5	113 4	83 0	122 0	0 8	15 0						
2-chloroethylvinyl ether	0 79	ND	56 14	20.0	ND	71.29	14.43	200 0	ND	280 7	45 0	154 0	ND	35.6	7.2	45 0	154 0	132.7	46.0		H		L	L	H
4-methyl-2 pentanone	1.27	ND	21 99	20 0	ND	252 43	263 51	200 0	ND	110 0	66 0	132 0	ND	126 2	131 8	66 0	132 0	4.3	33 0						
cis-1,3-dichloropropene	0 15	ND	20.92	20.0	ND	202.22	201 71	200.0	ND	104.6	82 0	124.0	ND	101 1	100 9	82 0	124.0	0.3	15 0						
dimethyl disulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
toluene	0.21	ND	20 41	20 0	ND	198.14	194.42	200 0	ND	102 1	84 0	123.0	ND	99 1	97 2	84.0	123 0	1 9	15 0						
ethyl methacrylate	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
trans-1,3-dichloropropene	0.33	ND	20.24	20 0	ND	194 40	195 16	200 0	ND	101.2	80.0	124 0	ND	97.2	97.6	80.0	124 0	0 4	15 0						
1 1,2 trichloroethane	0.45	ND	21 57	20 0	ND	225 51	223 56	200 0	ND	107 9	78 0	122 0	ND	112 8	111 8	78 0	122 0	0 9	15 0						

Kemro E vironmental Services -OVL
Volatile Quality Control Summary

Workgroup #	WG61349	Run Date	7/22/99	SMPL Num	07 191 11	LCS DF	1
Method	8260B	Instrument ID	HPMS8	SMPL FLNM	8M9804 D	SMPL DF	10
Matrix	WATER	BLK FLNM	8M9801 D	MS FLNM	8M9805 D	MS DF:	10
Units	ug/L	LCS FLNM	8M9800.D	MSD FLNM	8M9806 D	MSD DF:	10

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	BLK	LCS	LCS Spike Level	SMPL	MS	MSD	MS Spike Level	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MSD UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPD
Target Analytes	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	%	%	%	%	%	%	%	%	%	%	%						
2 hexanone	1.39	ND	22 04	20 0	ND	264 88	273 46	200 0	ND	110.2	57.0	130 0	ND	132 4	136.7	57 0	130.0	3.2	31 0				H	H	
1,3-dichloropropane	0.33	ND	21 48	20 0	ND	218 77	218 59	200 0	ND	107.4	78 0	123 0	ND	109 4	109.3	78 0	123 0	0 1	15 0						
tetrachloroethene	0.28	ND	18.45	20.0	ND	173.44	176 16	200.0	ND	92.3	83 0	124 0	ND	86 7	88 1	83 0	124.0	1 6	15.0						
dibromochloromethane	0 45	ND	21 67	20 0	ND	205 98	210 98	200 0	ND	108 4	78 0	123 0	ND	103 0	105 5	78 0	123 0	2 4	18 0						
1,2-dibromoethane	0.33	ND	22.73	20 0	ND	233 13	235 90	200.0	ND	113 7	79 0	123.0	ND	116 6	118 0	79 0	123 0	1 2	15 0						
1-chlorohexane	NTC	ND	20.30	20 0	ND	194 97	191 61	200 0	ND	101 5	60 0	140 0	ND	97 5	95 8	60 0	140 0	1 7	NA						
chlorobenzene	0.28	ND	20.39	20 0	ND	196.36	193.53	200 0	ND	102.0	70.0	130 0	ND	98.2	96 8	87 0	118 0	1.5	15 0						
1 1 1,2 tetrachloroethane	0 61	ND	20 82	20 0	ND	196 86	198 79	200 0	ND	104 1	82 0	123 0	ND	98 4	99 4	82 0	123 0	1 0	15 0						
ethylbenzene	0.27	ND	20 08	20 0	ND	191 78	191 18	200 0	ND	100.4	85 0	121 0	ND	95 9	95.6	85 0	121 0	0.3	15 0						
m+p-xylene	0 40	ND	39.27	40 0	ND	377 65	373 01	400 0	ND	98.2	86 0	121 0	ND	94 4	93.3	86 0	121 0	1.2	15 0						
o-xylene	0 22	ND	19 70	20.0	ND	197 77	197 42	200.0	ND	98 5	85 0	121.0	ND	98 9	98 7	85 0	121.0	0.2	15.0						
styrene	0.28	ND	20 59	20 0	ND	204 78	203 59	200 0	ND	103 0	84 0	120.0	ND	102 4	101 8	84 0	120 0	0 6	15 0						
bromoform	0.53	ND	20.31	20.0	ND	220 19	223 17	200.0	ND	101 6	73 0	124.0	ND	110.1	111 6	73 0	124.0	1.3	22.0						
isopropylbenzene	0 22	ND	19 11	20 0	ND	187 05	187 37	200 0	ND	95 6	81 0	124 0	ND	93 5	93 7	81 0	124 0	0.2	15 0						
1 1,2,2-tetrachloroethane	0 67	ND	25 72	20 0	ND	282.56	283 79	200.0	ND	128.6	72.0	132 0	ND	141.3	141 9	72.0	132.0	0.4	23 0				H	H	
1,2,3-trichlorop pane	0 92	ND	25 12	20 0	ND	270 77	267 94	200 0	ND	125 6	72 0	132 0	ND	135 4	134 0	72 0	132 0	1 1	21 0				H	H	
trans-1,4-dichloro-2-butene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	60.0	140.0	ND	NS	NS	60 0	140 0	NA	20 0						
propyl-benzene	0 19	ND	21 96	20 0	ND	209 08	206 16	200 0	ND	109 8	82.0	125.0	ND	104 5	103 1	82 0	125 0	1.4	15 0						
bromobenzene	0.37	ND	21.58	20.0	ND	212.59	209 15	200.0	ND	107.9	84 0	120.0	ND	106.3	104.6	84.0	120.0	1 6	15 0						
1,3 5 trimethylbenzene	0.22	ND	21 05	20 0	ND	194 81	194.21	200 0	ND	105.3	82 0	125 0	ND	97 4	97 1	82 0	125 0	0.3	15 0						
2-chlorotoluene	0.38	ND	21 70	20.0	ND	193.36	198 13	200.0	ND	108 5	80 0	128.0	ND	96 7	99 1	80 0	128.0	2.4	15 0						
4-chlorotoluene	0 30	ND	21 10	20 0	ND	197 43	200 41	200 0	ND	105 5	80 0	127 0	ND	98 7	100.2	80 0	127 0	1 5	15 0						
alpha-methyl-styrene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tert butyl-benzene	0.27	0 33	20 63	20 0	ND	190 20	190 92	200 0	0.3	103 2	80.0	121 0	ND	95 1	95.5	80 0	121 0	0 4	15 0						
1,2,4-trimethylbenzene	0.27	ND	21.21	20 0	ND	191 45	190 91	200 0	ND	106.1	84.0	125 0	ND	95 7	95 5	84.0	125 0	0.3	15 0						
sec-butyl-benzene	0.23	0 51	20 24	20 0	ND	187.54	189 74	200 0	0 5	101.2	80 0	125 0	ND	93 8	94 9	80 0	125 0	1 2	15 0						
p-isopropyl-toluene	0.20	0 44	19.45	20 0	9 73	170 76	172 92	200 0	0.4	97.3	79.0	133 0	9 7	80.5	81.6	79 0	133 0	1.3	15 0						
1,3-dichlorobenzene	0.32	ND	20 68	20 0	ND	206 73	206 12	200 0	ND	103 4	70 0	130 0	ND	103 4	103 1	70 0	130 0	0.3	15 0						
1 4-dichlorobenzene	0.27	ND	20 73	20 0	ND	205 18	204.21	200 0	ND	103 7	70.0	130.0	ND	102 6	102.1	70.0	130 0	0 5	15 0						
n-butyl-benzene	0.33	0 63	20 91	20 0	ND	186 67	192 02	200 0	0 6	104 6	78 0	128 0	ND	93 3	96.0	78 0	128 0	2 8	17 0						
1,2-dichlorobenzene	0 30	ND	21 66	20 0	ND	217 11	215 45	200 0	ND	108.3	70.0	130 0	ND	108 6	107 7	70 0	130 0	0 8	15 0						
1,2-dibromo-3-chloropropane	1 70	ND	22 34	20 0	ND	252 22	256 26	200 0	ND	111 7	69 0	125 0	ND	126 1	128 1	69 0	125 0	1 6	26 0				H	H	
1,2 4-trichlorobenzene	0.24	0.47	19 59	20 0	ND	178.55	184.69	200.0	0 5	98 0	74.0	124 0	ND	89.3	92.3	74.0	124.0	3.4	20 0						
hexachlorobutadiene	0 45	0 90	18 53	20 0	ND	185 45	201.20	200 0	0 9	92 7	67 0	131 0	ND	92 7	100 6	67 0	131 0	8 1	26 0						
naphthalene	0.51	ND	21.07	20.0	ND	214 11	223 19	200.0	ND	105 4	69 0	126.0	ND	107 1	111 6	69.0	126.0	4.2	24.0						
1,2 3 trichlorobenzene	0.31	0 51	19 54	20 0	ND	188 26	193 11	200 0	0 5	97 7	60 0	137 0	ND	94 1	96 6	60 0	137 0	2 5	33 0						
Surrogates																									
dibromofluoromethane		26.26	26.41	25 0	25 48	25 24	25.98	25 0	105 0	105 6	86	118	101 9	101.0	103 9										
1,2-dichloroethane-d4		23.24	22 90	25 0	22 36	21.34	22 37	25 0	93 0	91 6	80	120	89.4	85 4	89 5										
toluene-d8		25 79	25 68	25 0	25 17	24.88	24.89	25 0	103.2	102.7	88	110	100 7	99.5	99.6										
p-bromofluorobenzene		28 42	28 57	25 0	26.35	27 86	27 64	25 0	113 7	114.3	86	115	105.4	111 4	110 6										

Notes and Definitions

MDL= Method Detection Limit
BLK= Method Blank
LCS Laboratory Control Sample
MS/MSD= Matrix Spike / Matrix Spike Duplicate

LCL= Lower Control Limit
UCL= Upper Control Limit
H=Abo e control limit
L=Below control limit

ND= Non Detected
RPD= Relative Percent Difference
NS Not spiked
NA Not applicable

DF=Dilution Factor

Kemron Environmental Services -OVL
Volatile Quality Control Summary

Workgroup #	WG61354	**Run Date**	7/22/99	**SMPL Num:**	07 244-02	**LCS DF:**	1
Method.	8260B	**Instrument ID**	HPMS9	**SMPL FLNM**	9M4231 D	**SMPL DF**	1
Matrix:	WATER	**BLK FLNM:**	9M4226 D	**MS FLNM.**	9M4232 D	**MS DF**	1
Units.	ug/L	**LCS FLNM.**	9M4227 D	**MSD FLNM**	9M4233 D	**MSD DF**	1

		CONCENTRATION PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	Blank	LCS	LCS Spike Level	Sampl	MS	MSD	MS Spike Level	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MS UCL	MS RPD	RPD UCL	Blank	LCS	Sampl	MS	MSD	RPD
Target Analytes	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	%	%	%	%	%	%	%	%	%	%	%						
d hlorodifluoromethane	0 26	ND	23 17	20 0	ND	17 41	19 54	20 0	ND	115 9	10 0	153 0	ND	87 1	97 7	10 0	153 0	11 5	42.0						
hloromethane	0 52	ND	17 81	20 0	ND	12 93	14 30	20 0	ND	89 1	49 0	129 0	ND	64 7	71 5	49 0	129 0	10 1	30 0						
vinyl chloride	0 30	ND	20 22	20 0	ND	15 61	18 45	20 0	ND	101 1	57 0	135 0	ND	78 1	92 3	57 0	135 0	16 7	30 0						
bromomethan	0 68	ND	21 96	20 0	ND	15 22	17 69	20 0	ND	109 8	58 0	140 0	ND	76 1	88 5	58 0	140 0	15 0	39 0						
chloroethane	0 44	ND	19 87	20 0	ND	14.64	16 39	20 0	ND	99 4	69 0	126.0	ND	73 2	82.0	69 0	126 0	11.3	27 0						
trichlorofluoromethane	0 32	ND	21 01	20 0	ND	16 03	17 94	20 0	ND	105 1	67 0	152 0	ND	80 2	89 7	67 0	152 0	11 2	22 0						
isoprene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
acrolein	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 2-tri hloro-1 2,2 trifluoroethan	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
acetone	4 26	ND	20 28	20 0	ND	19 96	20 44	20 0	ND	101 4	40 0	142 0	ND	99 8	102 2	40 0	142 0	2 4	40 0						
1 1-dichloroethen	0 31	ND	20 95	20 0	ND	15 23	17.69	20 0	ND	104 8	81 0	130 0	ND	76 2	88 5	81 0	130 0	14 9	18.0				L		
dim thyl sulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
iodomethane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
m thylen chloride	0 74	ND	20 46	20 0	ND	18 03	20 58	20 0	ND	102 3	76 0	125 0	ND	90 2	102 9	76 0	125 0	13 2	19 0						
carbon disulfide	0.23	ND	12.22	20 0	ND	8.85	10 02	20.0	ND	61 1	70 0	138 0	ND	44 3	50.1	70 0	138 0	12 4	20 0		L		L	L	
acrylonitrile	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
m thyl-tert butyl ether	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
trans 1 2-dichloroethene	0 22	ND	22 50	20 0	ND	17 35	19 86	20 0	ND	112 5	86 0	135 0	ND	86 8	99 3	86 0	135 0	13 5	16 0						
n-hexan	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
vinyl acetate	1 00	ND	8 00	20 0	ND	6 86	7 73	20 0	ND	40 0	10 0	136 0	ND	34 3	38 7	10 0	136 0	11 9	66 0						
1 1-dichloroethane	0 23	ND	20 18	20 0	ND	16 12	18 39	20 0	ND	100 9	84 0	127 0	ND	80 6	92.0	84 0	127 0	13 2	15.0				L		
2 butanone	2 00	ND	19 57	20 0	ND	20 06	20 50	20 0	ND	97 9	61 0	137 0	ND	100 3	102 5	61 0	137 0	2 2	30 0						
2,2-d chloropropane	0.26	ND	22.04	20 0	ND	16 02	17 77	20 0	ND	110 2	79 0	130 0	ND	80 1	88.9	79.0	130 0	10 4	17 0						
cis-1 2-dichloroethene	0 24	ND	20 89	20 0	ND	16 81	19 20	20 0	ND	104 5	82 0	121 0	ND	84 1	96 0	82 0	121 0	13 3	15 0						
chloroform	0 21	ND	21 20	20 0	ND	17 23	19 49	20 0	ND	106 0	85 0	121 0	ND	86 2	97 5	85 0	121 0	12 3	15 0						
bromochloromethane	0 21	ND	22 28	20 0	ND	19 22	21 59	20 0	ND	111 4	85 0	121 0	ND	96 1	108 0	85 0	121 0	11 6	15 0						
1 1 1-trichloroethane	0 30	ND	22 19	20 0	ND	17 03	19 17	20 0	ND	111 0	78 0	127 0	ND	85.2	95 9	78 0	127 0	11 8	17 0						
cy lohexane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1 1-dichloropropene	0.29	ND	22.92	20 0	ND	17 17	19 52	20 0	ND	114 6	91 0	133 0	ND	85 9	97 6	91 0	133 0	12.8	15.0				L		
carbon tetrachloride	0 30	ND	23 14	20 0	ND	17 61	19 87	20 0	ND	115 7	70 0	130 0	ND	88 1	99 4	70 0	130 0	12 1	20 0						
1 2-dichloroethane	0 17	ND	20 81	20 0	ND	18.63	20 48	20.0	ND	104 1	78 0	128 0	ND	93 2	102.4	78.0	128 0	9 5	17 0						
benzen	0 20	ND	21 20	20 0	ND	16 89	19 17	20 0	ND	106 0	87 0	118 0	ND	84 5	95 9	87 0	118 0	12 6	15 0				L		
tri hloroethene	0 30	ND	21 32	20.0	ND	16 35	18 50	20 0	ND	106 6	83 0	123 0	ND	81 8	92 5	83 0	123 0	12 3	15 0				L		
1 di hloropropane	0 20	ND	19 41	20 0	ND	16 08	18 24	20 0	ND	97 1	81 0	121 0	ND	80 4	91 2	81 0	121 0	12 6	15 0				L		
bromod chloromethane	0 24	ND	21 77	20 0	ND	18 20	20.59	20 0	ND	108 9	81 0	126 0	ND	91 0	103 0	81 0	126 0	12 3	16.0						
dibromom thane	0 25	ND	21 97	20 0	ND	20 00	21 60	20 0	ND	109 9	83 0	122 0	ND	100 0	108 0	83 0	122 0	7 7	15 0						
2-chloroethylvinyl ether	0 79	ND	3 56	20 0	ND	0 00	0 00	20 0	ND	17 8	45 0	154 0	ND	0 0	0 0	45 0	154 0	######	46 0		L		L	L	#####
4 methyl 2-pentanone	1 27	ND	23 57	20 0	ND	22 69	23 94	20 0	ND	117 9	66 0	132 0	ND	113 5	119 7	66 0	132 0	5 4	33 0						
is-1,3-dichloropropene	0.15	ND	22.15	20 0	ND	18.39	20 78	20 0	ND	110 8	82 0	124 0	ND	92.0	103.9	82.0	124 0	12.2	15 0						
dimethyl disulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
toluene	0 21	ND	21 95	20 0	ND	17 26	19 82	20 0	ND	109 8	84 0	123 0	ND	86.3	99 1	84 0	123 0	13 8	15 0						
ethyl methacrylate	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
trans-1,3-dichloropropene	0 33	ND	21 63	20 0	ND	18 76	20 85	20 0	ND	108 2	80 0	124 0	ND	93.8	104 3	80 0	124 0	10 6	15.0						
1 1 2-trichloroethan	0 45	ND	22 28	20 0	ND	20 46	22 36	20 0	ND	111 4	78 0	122 0	ND	102 3	111 8	78 0	122 0	8 9	15 0						

Kemron Environme tal Services -OVL
Volatile Quality Control Summary

Workgroup #:	WG61354	**Run Date**	7/22/99	SMPL Num.	07 244-02	**LCS DF:**	1
Method	8260B	**Instrument ID·**	HPMS9	SMPL FLNM.	9M4231 D	**SMPL DF**	1
Matrix:	WATER	**BLK FLNM.**	9M4226 D	MS FLNM.	9M4232.D	**MS DF:**	1
Units:	ug/L	**LCS FLNM.**	9M4227 D	MSD FLNM.	9M4233 D	**MSD DF**	1

		CONCENTRATION PPB							PERCENT RECOVERY										PERCENT RPD		OUTLIERS					
	MDL	BLK	LCS	LCS Spike Level	SMPL	MS	MSD	MS Spike Level	BLK	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MSD UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPD
Target Analytes	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	%	%	%	%	%	%	%	%	%	%	%						
2 hexanone	1.39	ND	21 41	20 0	ND	21.57	22 78	20 0	ND	107 1	57 0	130 0	ND	107 9	113.9	57.0	130 0	5 5	31 0						
1 3-dichloropropane	0 33	ND	21 19	20 0	ND	19 24	21 00	20 0	ND	106 0	78 0	123 0	ND	96 2	105 0	78 0	123 0	8 7	15 0						
tetrachloroethene	0 28	ND	21 74	20.0	ND	16 58	19 07	20 0	ND	108 7	83 0	124 0	ND	82.9	95 4	83 0	124 0	14 0	15 0				L		
dibromochloromethane	0 45	ND	23 89	20 0	ND	20 85	23 31	20 0	ND	119 5	78 0	123 0	ND	104 3	116 6	78 0	123 0	11 1	18 0						
1 2-dibromoethane	0 33	ND	22 27	20 0	ND	20 31	22 07	20 0	ND	111 4	79 0	123 0	ND	101 6	110 4	79 0	123 0	8 3	15 0						
1-chlorohexane	NTC	ND	22 26	20 0	ND	16 83	19 33	20 0	ND	111 3	60 0	140 0	ND	84 2	96 7	60 0	140 0	13 8	NA						
chlorobenzene	0.28	ND	21 75	20 0	ND	17 52	20 10	20 0	ND	108 8	70 0	130 0	ND	87 6	100 5	87 0	118 0	13 7	15 0						
1 1 1 2-tetrachloroethane	0 61	ND	23 26	20 0	ND	19 31	21 86	20 0	ND	116 3	82 0	123 0	ND	96 6	109 3	82 0	123 0	12 4	15 0						
thylbenzene	0 27	ND	21 96	20 0	ND	17 18	19 90	20 0	ND	109 8	85 0	121 0	ND	85 9	99.5	85.0	121 0	14 7	15 0						
m+p-xylen	0 40	ND	45 13	40 0	ND	35 55	40 97	40 0	ND	112 8	86 0	121 0	ND	88 9	102 4	86 0	121 0	14 2	15 0						
o-xylene	0 22	ND	21 80	20 0	ND	17 24	19 87	20 0	ND	109 0	85 0	121 0	ND	86.2	99 4	85 0	121 0	14 2	15 0						
tyren	0 28	ND	22 81	20 0	ND	18 46	21 40	20 0	ND	114 1	84 0	120 0	ND	92 3	107 0	84 0	120 0	14 8	15 0						
bromoform	0 53	ND	24 99	20 0	ND	23 23	25,31	20 0	ND	125 0	73 0	124 0	ND	116.2	126 6	73 0	124 0	8.6	22.0		H			H	
isopropylbenzene	0 22	ND	22 88	20 0	ND	17 63	20 33	20 0	ND	114 4	81 0	124 0	ND	88 2	101 7	81 0	124 0	14 2	15 0						
1 1,2 2-tetrachloroethane	0 67	ND	21 78	20 0	ND	21 15	22 70	20 0	ND	108 9	72 0	132 0	ND	105 8	113 5	72 0	132 0	7 1	23 0						
1 2,3 tri hloropropane	0 92	ND	22 69	20 0	ND	21 91	23 55	20 0	ND	113 5	72 0	132 0	ND	109 6	117 8	72 0	132 0	7 2	21 0						
trans 1 4-dichloro-2-butene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	60 0	140 0	ND	NS	NS	60.0	140 0	NA	20 0						
propyl-benzene	0 19	ND	22 64	20 0	ND	17 22	19 96	20 0	ND	113 2	82 0	125 0	ND	86 1	99 8	82 0	125 0	14 7	15 0						
br mobenzene	0 37	ND	21 82	20 0	ND	17 85	20 60	20 0	ND	109 1	84 0	120 0	ND	89.3	103 0	84 0	120 0	14 3	15 0						
1 3 5 trimethylbenzene	0 22	ND	22 57	20 0	ND	17 36	20 29	20 0	ND	112 9	82 0	125 0	ND	86 8	101 5	82 0	125 0	15 6	15 0						H
2-chlorotoluene	0 38	ND	20 99	20 0	ND	16 69	19 04	20 0	ND	105 0	80 0	128 0	ND	83 5	95 2	80 0	128 0	13 2	15 0						
4-chlorotoluene	0 30	ND	22 07	20 0	ND	16 94	19 89	20 0	ND	110 4	80 0	127 0	ND	84 7	99 5	80 0	127 0	16 0	15 0						H
alpha methyl styrene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tert butyl benzene	0 27	ND	22 87	20 0	ND	17 24	20 14	20 0	ND	114 4	80 0	121 0	ND	86 2	100 7	80 0	121 0	15 5	15 0						H
1,2,4-trimethylbenzene	0 27	ND	21 83	20 0	ND	16 87	19 84	20 0	ND	109 2	84 0	125 0	ND	84 4	99 2	84.0	125 0	16 2	15 0						H
sec-butyl-benzen	0 23	ND	21 60	20 0	ND	15 98	18 94	20 0	ND	108 0	80 0	125 0	ND	79 9	94 7	80 0	125 0	17 0	15 0				L		H
p-isopropyl-toluene	0 20	ND	21 51	20 0	ND	15 95	18 92	20 0	ND	107 6	79 0	133 0	ND	79 8	94 6	79 0	133 0	17 0	15 0						H
1,3-dichlorobenzene	0 32	ND	21 48	20 0	ND	17 21	20 03	20 0	ND	107 4	70 0	130 0	ND	86 1	100 2	70 0	130 0	15 1	15 0						H
1 4-dichlorobenzene	0 27	ND	21 42	20 0	ND	17.38	20 10	20 0	ND	107 1	70 0	130 0	ND	86 9	100.5	70 0	130.0	14.5	15 0						
n-butyl-benzene	0 33	ND	21 73	20 0	ND	15 73	18 91	20 0	ND	108 7	78 0	128 0	ND	78 7	94 6	78 0	128 0	18 4	17 0						H
1 2-dichlorobenzene	0 30	ND	21 99	20 0	ND	18 29	21 07	20 0	ND	110 0	70 0	130 0	ND	91.5	105.4	70 0	130 0	14 1	15 0						
1 d bromo-3 chloropropane	1 70	ND	23 54	20 0	ND	2 29	24 17	20 0	ND	117 7	69 0	125 0	ND	111 5	120 9	69 0	125 0	8 1	26 0						
1 4 trichlorobenzene	0 24	0 48	2 08	20 0	ND	18 81	21 48	20 0	0 5	110 4	74 0	124 0	ND	94 1	107 4	74 0	124 0	13 3	20 0						
hexachlorob tad ene	0 45	1 0	17 21	20 0	ND	12 23	15 20	20 0	1 2	86 1	67 0	131 0	ND	61 2	76 0	67 0	131 0	21 7	26 0				L		
naphthalene	0 51	ND	23 41	20 0	ND	22 99	24 59	20 0	ND	117 1	69 0	126 0	ND	115 0	123 0	69 0	126 0	6 7	24 0						
1 2 3 trichlorobenzen	0 31	1 10	21 29	20 0	ND	18 98	21 84	20 0	1 1	106 5	60 0	137 0	ND	94 9	109 2	60 0	137 0	14 0	33 0						
Surrogates																									
dibromofluoromethane		24 14	24 65	25 0	24 80	25 16	24.89	25 0	96.6	98 6	86	118	99.2	100.6	99 6										
1 2-dichloroethane-d4		23 94	24 19	25 0	25 27	25 75	24 56	25 0	95 8	96 8	80	120	101 1	103 0	98 2										
toluene-d8		25 45	25 43	25 0	25.65	24.96	25 26	25 0	101 8	101 7	88	110	102 6	99 8	101 0										
p bromofluorobenzene		25 76	25 44	25 0	26 38	25 12	25 47	25 0	103 0	101 8	86	115	105 5	100 5	101 9										

Not and Definitions

MDL= Method Detection Limit
BLK- Method Blank
LCS= Laboratory Control Sample
MS/MSD= Matrix Spike / Matrix Spike Duplicate

LCL= Lower Control Limit
UCL= Upper Control Limit
H=Above control limit
L=Below control limit

ND= Non Detected
RPD= Relative Percent Difference
NS=Not spiked
NA=Not applicable

DF=Dilution Factor

CHRYSLER CORPORATION

Chain-of-Custody

04978 A

CompuChem
501 Madison Avenue
Cary NC 27513
Phone Number 1 800 833 5097
Fax Number (919) 379-4050

Project Name DAYTON THERMAL PRODUCTS
Site Location DAYTON, OHIO
Site Code SC001
RFA Number YGQP9900240
Chrysler PM GARY STANCZUK

Consultant LEGGETTE, BRASHEARS & GRAHAM INC
Address 1210 WEST COUNTY ROAD E, STE 700
ST PAUL, MN 55112
Consultant PM KEN VOGEL
Phone 651-490-1405 Fax 651-490-1006

Turn around Time Request
24 calendar hrs
48 calendar hrs
10 days
28 days

Data Package Deliverables (circle)
Chrysler Level 1
Chrysler Level 2
Other (specify)

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes
S Soil
SW - Surface Water
GW Groundwater
A Air
Sed Sediment
O - Other (specify)

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC 8260 40 ml VIAL / hcl								Lab Use Only: Volatiles pH < 2	Metals pH < 2	Cyanide pH > 12	Other ____	Remarks
MW008S	7/8/99	07:55	G	GW	2	X												
PZ008I		08:23	G	GW	2	X												
PZ008D		08 30	G	GW	2	X												
PZ010I		09 07	G	GW	2	X												
MW010S		09:00	G	GW	2	X												
PZ009D		09 45	G	GW	2	X												
MW011S		10.12	G	GW	2	X												
MW011SDUP		10 12	G	GW	2	X												
MWC003			G	GW	2	X												C/C Sealed
MWB003			G	GW	2	X												S/S intact

Sampler(s)
DAVE STRAND
MARK HEMSTREET
MIKE PLANTE
Coole ID # NA
Is RFA sampling complete? Y N

Bottles Relinquished under Airbill No.

Samples Relinquished under Airbill No. 810581588804

Temperature (corrected) 40 bg

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
Mark R. Hemstreet	7/8/99					Yes No
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Relinquished by:	Date:	Time:	Received for Laboratory by: Brenda Gregory	Date: 7/9/99	Time: 0955	Custody Seal Intact? Yes No

Chrysler Corporation 800 Chrysler Drive CIMS 482-00-51 Auburn Hills Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink Retained by sampler

SDG 240C COMPLETE
ALL SAMPLING COMPLETED

Revision No 1
Created September 23 1997

CHRYSLER CORPORATION

Chain-of-Custody

04979 A

CompuChem
501 Madison Avenue
Cary NC 27513
Phone Number 1 800 833 5097
Fax Number (919) 379-4050

Project Name: DAYTON THERMAL PRODUCTS
Site Location: DAYTON, OHIO
Site Code: SC001
RFA Number: YGRP9900240
Chrysler PM: GARY STANCZUK

Consultant: LEGETTE, BRASHEARS & GRAHAM INC
Address: 1210 WEST COUNTY ROAD E, STE 700, ST PAUL, MN 55112
Consultant PM: KEN VOGEL
Phone: 651-490-7405 Fax: 651-490-1006

Turn-around Time Request
24 calendar hrs
48 calendar hrs
10 days
28 days

Data Package Deliverables (circle)
Chrysler Level 1
Chrysler Level 2
Other (specify)

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes
S Soil
SW - Surface Water
GW Groundwater
A Air
Sed - Sediment
O Other (specify) LAB DI WATER

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC 8260 40 ml VIAL/ HCl								Lab Use Only: Volatiles pH < 2	Metals pH < 2	Cyanide pH > 12	Other ____	Remarks
~~[illegible]~~	~~7/8/99~~		~~G~~	~~SW~~	~~2~~	~~X~~												
MWE070899	7/8/99	13.55	G	OW	2	X												EQUIP BLANK
MWT070899	7/8/99		G	GW	2	X												TRIP BLANK
WL00003	7/8/99	1530	G	GW	2	X												PURGE WATER

C of C Sealed
Sks intact

Sampler(s)
DAVE STRAND
MARK HEMSTREET
MIKE PLANT
Coole ID # NA
Is RFA sampling complete? Yes No

Bottles Relinquished under Airbill No.
Samples Relinquished under Airbill No. 810581588804
Temperature (corrected) 4.0c

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
Mark P Hemstreet	7/8/99					Yes No
						Yes No
			Received for Laboratory by: Brenda Gregory	7/9/99	0955	Yes No

Chrysler Corporation 800 Chrysler Drive CIMS 482-00-51 Auburn Hills, Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink Retained by sampler

R [illegible] n No 1
Created September 23 1997