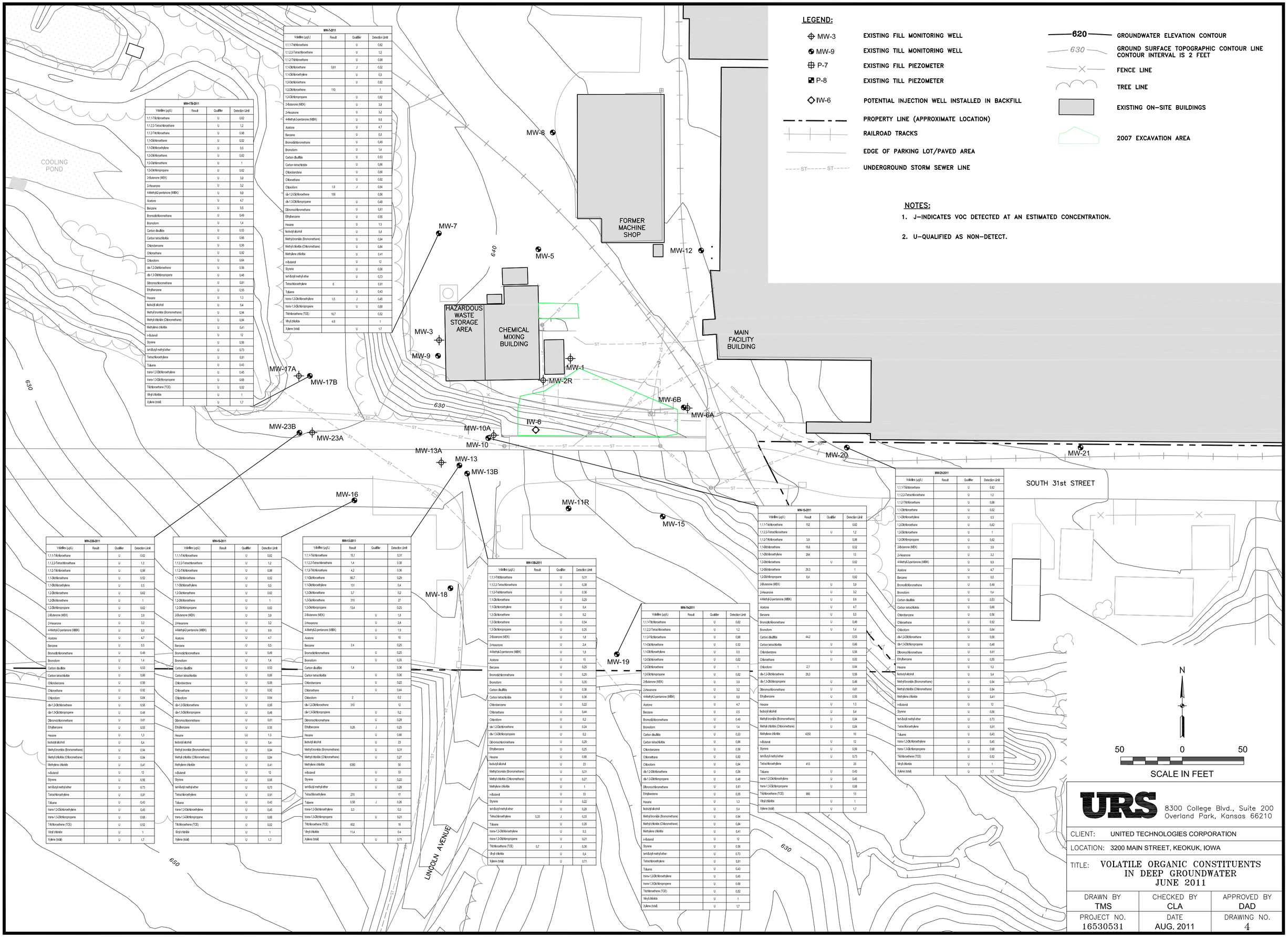

MW-7-2011			
Volatiles (µg/L)	Result	Qualifier	Detection Limit
1,1,1-Trichloroethane		U	0.62
1,1,2,2-Tetrachloroethane		U	1.2
1,1,2-Trichloroethane		U	0.98
1,1-Dichloroethane	0.61	J	0.52
1,1-Dichloroethylene		U	0.5
1,2-Dichloroethane		U	0.62
1,2-Dichloroethene	110		1
1,2-Dichloropropane		U	0.62
2-Butanone (MEK)		U	3.9
2-Hexanone		U	3.2
4-Methyl-2-pentanone (MIBK)		U	9.9
Acetone		U	4.7
Benzene		U	0.5
Bromodichloromethane		U	0.49
Bromoform		U	1.4
Carbon disulfide		U	0.53
Carbon tetrachloride		U	0.66
Chlorobenzene		U	0.56
Chloroethane		U	0.92
Chloroform	1.9	J	0.64
cis-1,2-Dichloroethene	109		0.56
cis-1,3-Dichloropropene		U	0.48
Dibromochloromethane		U	0.61
Ethylbenzene		U	0.55
Hexane		U	1.3
Isobutyl alcohol		U	5.4
Methyl bromide (Bromomethane)		U	0.94
Methyl chloride (Chloromethane)		U	0.84
Methylene chloride		U	0.41
n-Butanol		U	12
Styrene		U	0.56
tert-Butyl methyl ether		U	0.73
Tetrachloroethylene	6		0.91
Toluene		U	0.43
trans-1,2-Dichloroethylene	1.5	J	0.45
trans-1,3-Dichloropropene		U	0.68
Trichloroethene (TCE)	16.7		0.52
Vinyl chloride	4.6		1
Xylene (total)		U	1.7

MW-17B-2011			
Volatiles (µg/L)	Result	Qualifier	Detection Limit
1,1,1-Trichloroethane		U	0.62
1,1,2,2-Tetrachloroethane		U	1.2
1,1,2-Trichloroethane		U	0.98
1,1-Dichloroethane		U	0.52
1,1-Dichloroethylene		U	0.5
1,2-Dichloroethane		U	0.62
1,2-Dichloroethene		U	1
1,2-Dichloropropane		U	0.62
2-Butanone (MEK)		U	3.9
2-Hexanone		U	3.2
4-Methyl-2-pentanone (MIBK)		U	9.9
Acetone		U	4.7
Benzene		U	0.5
Bromodichloromethane		U	0.49
Bromoform		U	1.4
Carbon disulfide		U	0.53
Carbon tetrachloride		U	0.66
Chlorobenzene		U	0.56
Chloroethane		U	0.92
Chloroform		U	0.64
cis-1,2-Dichloroethene		U	0.56
cis-1,3-Dichloropropene		U	0.48
Dibromochloromethane		U	0.61
Ethylbenzene		U	0.55
Hexane		U	1.3
Isobutyl alcohol		U	5.4
Methyl bromide (Bromomethane)		U	0.94
Methyl chloride (Chloromethane)		U	0.84
Methylene chloride		U	0.41
n-Butanol		U	12
Styrene		U	0.56
tert-Butyl methyl ether		U	0.73
Tetrachloroethylene		U	0.91
Toluene		U	0.43
trans-1,2-Dichloroethylene		U	0.45
trans-1,3-Dichloropropene		U	0.68
Trichloroethene (TCE)		U	0.52
Vinyl chloride		U	1
Xylene (total)		U	1.7

MW-23B-2011			
Volatiles (µg/L)	Result	Qualifier	Detection Limit
1,1,1-Trichloroethane		U	0.62
1,1,2,2-Tetrachloroethane		U	1.2
1,1,2-Trichloroethane		U	0.98
1,1-Dichloroethane		U	0.52
1,1-Dichloroethylene		U	0.5
1,2-Dichloroethane		U	0.62
1,2-Dichloroethene		U	1
1,2-Dichloropropane		U	0.62
2-Butanone (MEK)		U	3.9
2-Hexanone		U	3.2
4-Methyl-2-pentanone (MIBK)		U	9.9
Acetone		U	4.7
Benzene		U	0.5
Bromodichloromethane		U	0.49
Bromoform		U	1.4
Carbon disulfide		U	0.53
Carbon tetrachloride		U	0.66
Chlorobenzene		U	0.56
Chloroethane		U	0.92
Chloroform		U	0.64
cis-1,2-Dichloroethene		U	0.56
cis-1,3-Dichloropropene		U	0.48
Dibromochloromethane		U	0.61
Ethylbenzene		U	0.55
Hexane		U	1.3
Isobutyl alcohol		U	5.4
Methyl bromide (Bromomethane)		U	0.94
Methyl chloride (Chloromethane)		U	0.84
Methylene chloride		U	0.41
n-Butanol		U	12
Styrene		U	0.56
tert-Butyl methyl ether		U	0.73
Tetrachloroethylene		U	0.91
Toluene		U	0.43
trans-1,2-Dichloroethylene		U	0.45
trans-1,3-Dichloropropene		U	0.68
Trichloroethene (TCE)		U	0.52
Vinyl chloride		U	1
Xylene (total)		U	1.7

MW-16-2011			
Volatiles (µg/L)	Result	Qualifier	Detection Limit
1,1,1-Trichloroethane		U	0.62
1,1,2,2-Tetrachloroethane		U	1.2
1,1,2-Trichloroethane		U	0.98
1,1-Dichloroethane		U	0.52
1,1-Dichloroethylene		U	0.5
1,2-Dichloroethane		U	0.62
1,2-Dichloroethene		U	1
1,2-Dichloropropane		U	0.62
2-Butanone (MEK)		U	3.9
2-Hexanone		U	3.2
4-Methyl-2-pentanone (MIBK)		U	9.9
Acetone		U	4.7
Benzene		U	0.5
Bromodichloromethane		U	0.49
Bromoform		U	1.4
Carbon disulfide		U	0.53
Carbon tetrachloride		U	0.66
Chlorobenzene		U	0.56
Chloroethane		U	0.92
Chloroform		U	0.64
cis-1,2-Dichloroethene		U	0.56
cis-1,3-Dichloropropene		U	0.48
Dibromochloromethane		U	0.61
Ethylbenzene		U	0.55
Hexane		U	1.3
Isobutyl alcohol		U	5.4
Methyl bromide (Bromomethane)		U	0.94
Methyl chloride (Chloromethane)		U	0.84
Methylene chloride		U	0.41
n-Butanol		U	12
Styrene		U	0.56
tert-Butyl methyl ether		U	0.73
Tetrachloroethylene		U	0.91
Toluene		U	0.43
trans-1,2-Dichloroethylene		U	0.45
trans-1,3-Dichloropropene		U	0.68
Trichloroethene (TCE)		U	0.52
Vinyl chloride		U	1
Xylene (total)		U	1.7

MW-13-2011			
Volatiles (µg/L)	Result	Qualifier	Detection Limit
1,1,1-Trichloroethane	15.1		0.31
1,1,2,2-Tetrachloroethane	1.4		0.38
1,1,2-Trichloroethane	4.2		0.36
1,1-Dichloroethane	66.7		0.29
1,1-Dichloroethylene	131		0.4
1,2-Dichloroethane	3.7		0.2
1,2-Dichloroethene	310		27
1,2-Dichloropropane	13.4		0.25
2-Butanone (MEK)		U	1.8
2-Hexanone		U	2.4
4-Methyl-2-pentanone (MIBK)		U	1.9
Acetone		U	10
Benzene	2.4		0.25
Bromodichloromethane		U	0.25
Bromoform		U	0.35
Carbon disulfide	1.4		0.36
Carbon tetrachloride		U	0.36
Chlorobenzene		U	0.22
Chloroethane		U	0.44
Chloroform	2		0.2
cis-1,2-Dichloroethene	310		12
cis-1,3-Dichloropropene		U	0.2
Dibromochloromethane		U	0.29
Ethylbenzene	0.26	J	0.25
Hexane		U	0.66
Isobutyl alcohol		U	23
Methyl bromide (Bromomethane)		U	0.31
Methyl chloride (Chloromethane)		U	0.27
Methylene chloride	6360		50
n-Butanol		U	33
Styrene		U	0.22
tert-Butyl methyl ether		U	0.28
Tetrachloroethylene	270		17
Toluene	0.58	J	0.26
trans-1,2-Dichloroethylene	3.3		0.3
trans-1,3-Dichloropropene		U	0.21
Trichloroethene (TCE)	602		18
Vinyl chloride	11.4		0.4
Xylene (total)		U	0.71

MW-13B-2011			
Volatiles (µg/L)	Result	Qualifier	Detection Limit
1,1,1-Trichloroethane		U	0.31
1,1,2,2-Tetrachloroethane		U	0.38
1,1,2-Trichloroethane		U	0.36
1,1-Dichloroethane		U	0.29
1,1-Dichloroethylene		U	0.4
1,2-Dichloroethane		U	0.2
1,2-Dichloroethene		U	0.54
1,2-Dichloropropane		U	0.25
2-Butanone (MEK)		U	1.8
2-Hexanone		U	2.4
4-Methyl-2-pentanone (MIBK)		U	1.9
Acetone		U	10
Benzene		U	0.25
Bromodichloromethane		U	0.25
Bromoform		U	0.35
Carbon disulfide		U	0.36
Carbon tetrachloride		U	0.36
Chlorobenzene		U	0.22
Chloroethane		U	0.44
Chloroform		U	0.2
cis-1,2-Dichloroethene		U	0.24
cis-1,3-Dichloropropene		U	0.2
Dibromochloromethane		U	0.29
Ethylbenzene		U	0.25
Hexane		U	0.66
Isobutyl alcohol		U	23
Methyl bromide (Bromomethane)		U	0.31
Methyl chloride (Chloromethane)		U	0.27
Methylene chloride		U	1
n-Butanol		U	33
Styrene		U	0.22
tert-Butyl methyl ether		U	0.28
Tetrachloroethylene	0.33	J	0.33
Toluene		U	0.26
trans-1,2-Dichloroethylene		U	0.3
trans-1,3-Dichloropropene		U	0.21
Trichloroethene (TCE)	0.7	J	0.36
Vinyl chloride		U	0.4
Xylene (total)		U	0.71

MW-19-2011			
Volatiles (µg/L)	Result	Qualifier	Detection Limit
1,1,1-Trichloroethane		U	0.62
1,1,2,2-Tetrachloroethane		U	1.2
1,1,2-Trichloroethane		U	0.98
1,1-Dichloroethane		U	0.52
1,1-Dichloroethylene		U	0.5
1,2-Dichloroethane		U	0.62
1,2-Dichloroethene		U	1
1,2-Dichloropropane		U	0.62
2-Butanone (MEK)		U	3.9
2-Hexanone		U	3.2
4-Methyl-2-pentanone (MIBK)		U	9.9
Acetone		U	4.7
Benzene		U	0.5
Bromodichloromethane		U	0.49
Bromoform		U	1.4
Carbon disulfide		U	0.53
Carbon tetrachloride		U	0.66
Chlorobenzene		U	0.56
Chloroethane		U	0.92
Chloroform	2.1		0.64
cis-1,2-Dichloroethene	29.3		0.56
cis-1,3-Dichloropropene		U	0.48
Dibromochloromethane		U	0.61
Ethylbenzene		U	0.55
Hexane		U	1.3
Isobutyl alcohol		U	5.4
Methyl bromide (Bromomethane)		U	0.94
Methyl chloride (Chloromethane)		U	0.84
Methylene chloride	4250		10
n-Butanol		U	12
Styrene		U	0.56
tert-Butyl methyl ether		U	0.73
Tetrachloroethylene	413		23
Toluene		U	0.43
trans-1,2-Dichloroethylene		U	0.45
trans-1,3-Dichloropropene		U	0.68
Trichloroethene (TCE)	966		13
Vinyl chloride		U	1
Xylene (total)		U	1.7

MW-10-2011			
Volatiles (µg/L)	Result	Qualifier	Detection Limit
1,1,1-Trichloroethane	152		0.62
1,1,2,2-Tetrachloroethane		U	1.2
1,1,2-Trichloroethane	3.9		0.98
1,1-Dichloroethane	19.6		0.52
1,1-Dichloroethylene	264		13
1,2-Dichloroethane		U	0.62
1,2-Dichloroethene	29.3		1
1,2-Dichloropropane	8.4		0.62
2-Butanone (MEK)		U	3.9
2-Hexanone		U	3.2
4-Methyl-2-pentanone (MIBK)		U	9.9
Acetone		U	4.7
Benzene		U	0.5
Bromodichloromethane		U	0.49
Bromoform		U	1.4
Carbon disulfide	44.2		0.53
Carbon tetrachloride		U	0.66
Chlorobenzene		U	0.56
Chloroethane		U	0.92
Chloroform	2.1		0.64
cis-1,2-Dichloroethene	29.3		0.56
cis-1,3-Dichloropropene		U	0.48
Dibromochloromethane		U	0.61
Ethylbenzene		U	0.55
Hexane		U	1.3
Isobutyl alcohol		U	5.4
Methyl bromide (Bromomethane)		U	0.94
Methyl chloride (Chloromethane)		U	0.84
Methylene chloride	4250		10
n-Butanol		U	12
Styrene		U	0.56
tert-Butyl methyl ether		U	0.73
Tetrachloroethylene	413		23
Toluene		U	0.43
trans-1,2-Dichloroethylene		U	0.45
trans-1,3-Dichloropropene		U	0.68
Trichloroethene (TCE)	966		13
Vinyl chloride		U	1
Xylene (total)		U	1.7

MW-20-2011			
Volatiles (µg/L)	Result	Qualifier	Detection Limit
1,1,1-Trichloroethane		U	0.62
1,1,2,2-Tetrachloroethane		U	1.2
1,1,2-Trichloroethane		U	0.98
1,1-Dichloroethane		U	0.52
1,1-Dichloroethylene		U	0.5
1,2-Dichloroethane		U	0.62
1,2-Dichloroethene		U	1
1,2-Dichloropropane		U	0.62
2-Butanone (MEK)		U	3.9
2-Hexanone		U	3.2
4-Methyl-2-pentanone (MIBK)		U	9.9
Acetone		U	4.7
Benzene		U	0.5
Bromodichloromethane		U	0.49
Bromoform		U	1.4
Carbon disulfide		U	0.53
Carbon tetrachloride		U	0.66
Chlorobenzene		U	0.56
Chloroethane		U	0.92
Chloroform		U	0.64
cis-1,2-Dichloroethene		U	0.56
cis-1,3-Dichloropropene		U	0.48
Dibromochloromethane		U	0.61
Ethylbenzene		U	0.55
Hexane		U	1.3
Isobutyl alcohol		U	5.4
Methyl bromide (Bromomethane)		U	0.94
Methyl chloride (Chloromethane)		U	0.84
Methylene chloride		U	0.41
n-Butanol		U	12
Styrene		U	0.56
tert-Butyl methyl ether		U	0.73
Tetrachloroethylene		U	0.91
Toluene		U	0.43
trans-1,2-Dichloroethylene		U	0.45
trans-1,3-Dichloropropene		U	0.68
Trichloroethene (TCE)		U	0.52
Vinyl chloride		U	1
Xylene (total)		U	1.7

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CLIENT: UNITED TECHNOLOGIES CORPORATION

LOCATION: 3200 MAIN STREET, KEOKUK, IOWA

TITLE: VOLATILE ORGANIC CONSTITUENTS IN DEEP GROUNDWATER JUNE 2011

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