

LS Table 1
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LS TABLE 1

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Environmental Analytes, Methods & Limits

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ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ

T1.1 VOLATILE ORGANIC COMPOUNDS**Benzene**

BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.005	0.0005	0.001
DW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.005	0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001

Bromobenzene

BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001

Bromochloromethane

BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001

Bromodichloromethane (Dichlorobromomethane)

BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.08④	0.0005	0.001
DW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.08④	0.0005	0.001

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

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ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
Bromoform								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.08④	0.0005	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.08④	0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
Bromomethane								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
n-Butylbenzene								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

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ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
sec-Butylbenzene								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.0005③	0.001	
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.0005	0.001	
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.0005③	0.001	
BL	EPA 8260C	GC-MSD, P&T		mg/L	2	0.0005③	0.001	
GW	EPA 8260C	GC-MSD, P&T		mg/L	2	0.0005③	0.001	
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2	0.005	0.02	
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2	0.5	2.0	
WW	EPA 8260C	GC-MSD, P&T		mg/L	2	0.0005③	0.001	
tert-Butylbenzene								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.0005③	0.001	
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.0005	0.001	
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.0005③	0.001	
BL	EPA 8260C	GC-MSD, P&T		mg/L	2	0.0005③	0.001	
GW	EPA 8260C	GC-MSD, P&T		mg/L	2	0.0005③	0.001	
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2	0.005	0.02	
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2	0.5	2.0	
WW	EPA 8260C	GC-MSD, P&T		mg/L	2	0.0005③	0.001	
Carbon Tetrachloride								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.0005③	0.001	
BW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.005	0.005	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.005	0.005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.0005③	0.001	
BL	EPA 8260C	GC-MSD, P&T		mg/L	2	0.0005③	0.001	
GW	EPA 8260C	GC-MSD, P&T		mg/L	2	0.0005③	0.001	
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2	0.005	0.02	
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2	0.5	2.0	
WW	EPA 8260C	GC-MSD, P&T		mg/L	2	0.0005③	0.001	
Chlorobenzene								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.0005③	0.001	
BW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.1	0.0005	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.1	0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.0005③	0.001	
BL	EPA 8260C	GC-MSD, P&T		mg/L	2	0.0005③	0.001	
GW	EPA 8260C	GC-MSD, P&T		mg/L	2	0.0005③	0.001	

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

LS TABLE 1**Table Of Contents****VERSION 6 – REVISION 0****30 JUN 2011****Environmental Analytes, Methods & Limits****PAGE 8 OF 63**

ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O
MATRIX	METHOD	INSTRUMENT	UNITS	SF ①	MCL ②	MDL	LOQ
SL	EPA 8260C③	GC-MSD, P&T	mg/kg	2		0.005	0.02
SL	EPA 8260C④	GC-MSD, P&T	mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005⑤	0.001
Chlorodibromomethane (Dibromochloromethane)							
BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.08④	0.0005	0.001
BW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.08④	0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
SL	EPA 8260C③	GC-MSD, P&T	mg/kg	2		0.005	0.02
SL	EPA 8260C④	GC-MSD, P&T	mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
Chloroethane							
BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
SL	EPA 8260C③	GC-MSD, P&T	mg/kg	2		0.005	0.02
WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
Chloroform							
BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.08④	0.0005	0.001
DW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.08④	0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
SL	EPA 8260C③	GC-MSD, P&T	mg/kg	2		0.005	0.02
SL	EPA 8260C④	GC-MSD, P&T	mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
Chloromethane							
BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

LS TABLE 1**Table Of Contents****VERSION 6 – REVISION 0****30 JUN 2011****Environmental Analytes, Methods & Limits****PAGE 9 OF 63**

ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
2-Chlorotoluene								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
4-Chlorotoluene								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
1,2-Dibromo-3-chloropropane (DBCP)								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

LS TABLE 1**Table Of Contents****VERSION 6 – REVISION 0****30 JUN 2011****Environmental Analytes, Methods & Limits****PAGE 10 OF 63**

ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
1,2-Dibromoethane (Ethylene Dibromide or EDB)								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
Dibromomethane								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
1,2-Dichlorobenzene								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BW	EPA 524.2	GC-MSD, P&T		mg/L	2	0.6	0.0005	0.001
DW	EPA 524.2	GC-MSD, P&T		mg/L	2	0.6	0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
1,3-Dichlorobenzene								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

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⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

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⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

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Environmental Analytes, Methods & Limits

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MATRIX	METHOD	INSTRUMENT	UNITS	SF ①	MCL ②	MDL	LOQ
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
1,4-Dichlorobenzene							
BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.075	0.0005	0.001
DW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.075	0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
Dichlorodifluoromethane (Freon 12)							
BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
1,1-Dichloroethane							
BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
1,2-Dichloroethane							
BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.005	0.0005	0.001
DW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.005	0.0005	0.001

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

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④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

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⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

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GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
1,1-Dichloroethene							
BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.007	0.0005	0.001
DW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.007	0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
cis-1,2-Dichloroethene							
BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.07	0.0005	0.001
DW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.07	0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
trans-1,2-Dichloroethene							
BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.1	0.0005	0.001
DW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.1	0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

LS TABLE 1**Table Of Contents****VERSION 6 – REVISION 0****30 JUN 2011****Environmental Analytes, Methods & Limits****PAGE 13 OF 63**

ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O
MATRIX	METHOD	INSTRUMENT	UNITS	SF ①	MCL ②	MDL	LOQ
WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
1,2-Dichloropropane							
BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.005	0.0005	0.001
DW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.005	0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
1,3-Dichloropropane							
BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
2,2-Dichloropropane							
BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
1,1-Dichloropropene							
BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

LS TABLE 1**Table Of Contents****VERSION 6 – REVISION 0****30 JUN 2011****Environmental Analytes, Methods & Limits****PAGE 14 OF 63**

ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
cis-1,3-Dichloropropene								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
trans-1,3-Dichloropropene								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
Ethylbenzene								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.7	0.0005	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.7	0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
Fluorotrichloromethane (Freon 11)								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

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⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

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ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
Hexachlorobutadiene								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
Isopropylbenzene								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
p-Isopropyltoluene								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

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⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

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ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
Methylene Chloride								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.005	0.0005	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.005	0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
Methyl tert-butyl ether (MTBE)								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
Naphthalene								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
n-Propylbenzene								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

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④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

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⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

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Environmental Analytes, Methods & Limits

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	MATRIX	METHOD	INSTRUMENT	UNITS	SF ①	MCL ②	MDL	LOQ
Styrene	SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0
	WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
1,1,1,2-Tetrachloroethane								
	BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.1	0.0005	0.001
	GW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.1	0.0005	0.001
	BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.005	0.02
	SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0
	WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
1,1,2,2-Tetrachloroethane								
	BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
	GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.005	0.02
	SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0
	WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
Tetrachloroethylene (PCE)								
	BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	BW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.005	0.0005	0.001
	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.005	0.0005	0.001

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

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	GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.005	0.02
	SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0
	WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
Toluene								
	BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	BW	EPA 524.2②	GC-MSD, P&T	mg/L	2	1	0.0005	0.001
	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2	1	0.0005	0.001
	GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.005	0.02
	SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0
	WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
1,2,3-Trichlorobenzene								
	BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
	GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.005	0.02
	SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0
	WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
1,2,4-Trichlorobenzene								
	BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	BW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.07	0.0005	0.001
	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.07	0.0005	0.001
	GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.005	0.02
	SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0
	WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

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Environmental Analytes, Methods & Limits

ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
1,1,1-Trichloroethane								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.2	0.0005	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.2	0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
1,1,2-Trichloroethane								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.005	0.0005	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.005	0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
Trichloroethene (TCE)								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.005	0.0005	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.005	0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
1,2,3-Trichloropropane								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

LS TABLE 1**Table Of Contents****VERSION 6 – REVISION 0****30 JUN 2011****PAGE 20 OF 63****Environmental Analytes, Methods & Limits**

ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
Trihalomethanes, Total								
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.08	0.0005	0.001
BW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.08	0.0005	0.001
1,2,4-Trimethylbenzene								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
1,3,5-Trimethylbenzene								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0
WW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
Vinyl chloride								
BL	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.002	0.0005	0.001
DW	EPA 524.2②	GC-MSD, P&T		mg/L	2	0.002	0.0005	0.001
GW	EPA 524.2②	GC-MSD, P&T		mg/L	2		0.0005③	0.001
BL	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
GW	EPA 8260C	GC-MSD, P&T		mg/L	2		0.0005③	0.001
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.005	0.02
SL	EPA 8260C①	GC-MSD, P&T		mg/kg	2		0.5	2.0

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

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Environmental Analytes, Methods & Limits

	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
ANALYTE	MATRIX	METHOD	INSTRUMENT	UNITS	SF ①	MCL ②	MDL	LOQ
	WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
Xylenes, Total (sum of ortho-, meta-, & para-xylenes)								
	BL	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	BW	EPA 524.2②	GC-MSD, P&T	mg/L	2	10	0.0005	0.001
	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2	10	0.0005	0.001
	GW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	BL	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	GW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001
	SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.005	0.02
	SL	EPA 8260C①	GC-MSD, P&T	mg/kg	2		0.5	2.0
	WW	EPA 8260C	GC-MSD, P&T	mg/L	2		0.0005③	0.001

T1.2 CHLORINATED PESTICIDES & POLYCHLORINATED BIPHENYLS (PCB)

Alachlor

BL	EPA 505	GC-μECD	mg/L	2		0.00002③	0.0001
BW	EPA 505	GC-μECD	mg/L	2	0.002	0.00002	0.0001
DW	EPA 505	GC-μECD	mg/L	2	0.002	0.00002	0.0001
GW	EPA 505	GC-μECD	mg/L	2		0.00002③	0.0001

Aldrin

BL	EPA 505	GC-μECD	mg/L	2		0.00002③	0.0001
DW	EPA 505	GC-μECD	mg/L	2		0.00002	0.0001
GW	EPA 505	GC-μECD	mg/L	2		0.00002③	0.0001

Atrazine

BL	EPA 505	GC-MSD	mg/L	2		0.0001③	0.0005
BW	EPA 505	GC-MSD	mg/L	2	0.003	0.0001	0.0005
DW	EPA 505	GC-MSD	mg/L	2	0.003	0.0001	0.0005
GW	EPA 505	GC-MSD	mg/L	2		0.0001③	0.0005

Chlordane (technical mixture)

BL	EPA 505	GC-μECD	mg/L	2		0.0001③	0.0005
BW	EPA 505	GC-μECD	mg/L	2	0.002	0.0001	0.0005
DW	EPA 505	GC-μECD	mg/L	2	0.002	0.0001	0.0005

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

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ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O
MATRIX	METHOD	INSTRUMENT	UNITS	SF ①	MCL ②	MDL	LOQ
GW	EPA 505	GC-μECD	mg/L	2		0.0001③	0.0005
1,2-Dibromo-3-chloropropane (DBCP)							
BL	EPA 504.1	GC-μECD	mg/L	2		0.00001③	0.00003
BW	EPA 504.1	GC-μECD	mg/L	2	0.0002	0.00001	0.00003
DW	EPA 504.1	GC-μECD	mg/L	2	0.0002	0.00001	0.00003
GW	EPA 504.1	GC-μECD	mg/L	2		0.00001③	0.00003
1,2-Dibromoethane (Ethylene Dibromide or EDB)							
BL	EPA 504.1	GC-μECD	mg/L	2		0.00001③	0.00003
BW	EPA 504.1	GC-μECD	mg/L	2	0.00005	0.00001	0.00003
DW	EPA 504.1	GC-μECD	mg/L	2	0.00005	0.00001	0.00003
GW	EPA 504.1	GC-μECD	mg/L	2		0.00001③	0.00003
Dieldrin							
BL	EPA 505	GC-μECD	mg/L	2		0.00002③	0.0001
DW	EPA 505	GC-μECD	mg/L	2		0.00002	0.0001
GW	EPA 505	GC-μECD	mg/L	2		0.00002③	0.0001
Endrin							
BL	EPA 505	GC-μECD	mg/L	2		0.00002③	0.0001
BW	EPA 505	GC-μECD	mg/L	2	0.002	0.00002	0.0001
DW	EPA 505	GC-μECD	mg/L	2	0.002	0.00002	0.0001
GW	EPA 505	GC-μECD	mg/L	2		0.00002③	0.0001
Heptachlor							
BL	EPA 505	GC-μECD	mg/L	2		0.00002③	0.0001
BW	EPA 505	GC-μECD	mg/L	2	0.0004	0.00002	0.0001
DW	EPA 505	GC-μECD	mg/L	2	0.0004	0.00002	0.0001
GW	EPA 505	GC-μECD	mg/L	2		0.00002③	0.0001
Heptachlor Epoxide							
BL	EPA 505	GC-μECD	mg/L	2		0.00002③	0.0001
BW	EPA 505	GC-μECD	mg/L	2	0.0002	0.00002	0.0001
DW	EPA 505	GC-μECD	mg/L	2	0.0002	0.00002	0.0001
GW	EPA 505	GC-μECD	mg/L	2		0.00002③	0.0001

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

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LS TABLE 1**Table Of Contents****VERSION 6 – REVISION 0****30 JUN 2011****Environmental Analytes, Methods & Limits****PAGE 23 OF 63**

ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
Hexachlorobenzene								
BL	EPA 505	GC-μECD		mg/L	2		0.00002③	0.0001
BW	EPA 505	GC-μECD		mg/L	2	0.001	0.00002	0.0001
DW	EPA 505	GC-μECD		mg/L	2	0.001	0.00002	0.0001
GW	EPA 505	GC-μECD		mg/L	2		0.00002③	0.0001
Hexachlorocyclopentadiene								
BL	EPA 505	GC-μECD		mg/L	2		0.0001③	0.001
DW	EPA 505	GC-μECD		mg/L	2	0.05	0.0001	0.001
BW	EPA 505	GC-μECD		mg/L	2	0.05	0.0001	0.001
GW	EPA 505	GC-μECD		mg/L	2		0.0001③	0.001
Lindane (gamma-BHC, gamma-HCH)								
BL	EPA 505	GC-μECD		mg/L	2		0.00002③	0.0001
BW	EPA 505	GC-μECD		mg/L	2	0.0002	0.00002	0.0001
DW	EPA 505	GC-μECD		mg/L	2	0.0002	0.00002	0.0001
GW	EPA 505	GC-μECD		mg/L	2		0.00002③	0.0001
Methoxychlor								
BL	EPA 505	GC-μECD		mg/L	2		0.00002③	0.0001
BW	EPA 505	GC-μECD		mg/L	2	0.04	0.00002	0.0001
DW	EPA 505	GC-μECD		mg/L	2	0.04	0.00002	0.0001
GW	EPA 505	GC-μECD		mg/L	2		0.00002③	0.0001
Polychlorinated Biphenyls (Aroclors)								
BL	EPA 505	GC-μECD		mg/L	2		0.0001③	0.0005
BW	EPA 505	GC-μECD		mg/L	2	0.0005	0.0001	0.0005
DW	EPA 505	GC-μECD		mg/L	2	0.0005	0.0001	0.0005
GW	EPA 505	GC-μECD		mg/L	2		0.0001③	0.0005
Simazine								
BW	EPA 505	GC-MSD		mg/L	2	0.004	0.0001	0.0005
DW	EPA 505	GC-MSD		mg/L	2	0.004	0.0001	0.0005
GW	EPA 505	GC-MSD		mg/L	2		0.0001③	0.0005
Toxaphene								
BW	EPA 505	GC-μECD		mg/L	2	0.003	0.001	0.003

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

LS TABLE 1**Table Of Contents****VERSION 6 – REVISION 0****30 JUN 2011****Environmental Analytes, Methods & Limits****PAGE 24 OF 63**

ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O
MATRIX	METHOD	INSTRUMENT	UNITS	SF ①	MCL ②	MDL	LOQ
DW	EPA 505	GC-μECD	mg/L	2	0.003	0.001	0.003
GW	EPA 505	GC-μECD	mg/L	2		0.001③	0.003
BL	EPA 505	GC-μECD	mg/L	2		0.001③	0.003
DW	EPA 508	GC-ECD	mg/L	2	0.003	0.0001	0.0005
GW	EPA 508	GC-ECD	mg/L	2		0.0001③	0.0005
T1.3 CARBAMATE (N-METHYL) PESTICIDES, GLYPHOSATE & AMPA							
Aldicarb							
BL	EPA 531.2	HPLC-PCR	mg/L	2		0.0001③	0.0005
BW	EPA 531.2	HPLC-PCR	mg/L	2	0.003⑥	0.0001	0.0005
DW	EPA 531.2	HPLC-PCR	mg/L	2	0.003⑥	0.0001	0.0005
GW	EPA 531.2	HPLC-PCR	mg/L	2		0.0001③	0.0005
Aminomethylphosphonic acid (AMPA)							
BL	EPA 547	HPLC-PCR	mg/L	2		0.005③	0.025
DW	EPA 547	HPLC-PCR	mg/L	2		0.005	0.025
GW	EPA 547	HPLC-PCR	mg/L	2		0.005③	0.025
Aldicarb Sulfone							
BL	EPA 531.2	HPLC-PCR	mg/L	2		0.0001③	0.0005
BW	EPA 531.2	HPLC-PCR	mg/L	2	0.003⑥	0.0001	0.0005
DW	EPA 531.2	HPLC-PCR	mg/L	2	0.003⑥	0.0001	0.0005
GW	EPA 531.2	HPLC-PCR	mg/L	2		0.0001③	0.0005
Aldicarb Sulfoxide							
BL	EPA 531.2	HPLC-PCR	mg/L	2		0.0001③	0.0005
BW	EPA 531.2	HPLC-PCR	mg/L	2	0.004⑥	0.0001	0.0005
DW	EPA 531.2	HPLC-PCR	mg/L	2	0.004⑥	0.0001	0.0005
GW	EPA 531.2	HPLC-PCR	mg/L	2		0.0001③	0.0005
Baygon (Propoxur)							
BL	EPA 531.2	HPLC-PCR	mg/L	2		0.0001③	0.0005
DW	EPA 531.2	HPLC-PCR	mg/L	2		0.0001	0.0005
GW	EPA 531.2	HPLC-PCR	mg/L	2		0.0001③	0.0005

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

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ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
Carbaryl								
BL	EPA 531.2	HPLC-PCR		mg/L	2	0.0001③	0.0005	
DW	EPA 531.2	HPLC-PCR		mg/L	2	0.0001	0.0005	
GW	EPA 531.2	HPLC-PCR		mg/L	2	0.0001③	0.0005	
Carbofuran								
BL	EPA 531.2	HPLC-PCR		mg/L	2	0.0001③	0.0005	
BW	EPA 531.2	HPLC-PCR		mg/L	2	0.04	0.0001	0.0005
DW	EPA 531.2	HPLC-PCR		mg/L	2	0.04	0.0001	0.0005
GW	EPA 531.2	HPLC-PCR		mg/L	2	0.0001③	0.0005	
Glyphosate								
BL	EPA 547	HPLC-PCR		mg/L	2	0.005③	0.025	
BW	EPA 547	HPLC-PCR		mg/L	2	0.7	0.005	0.025
DW	EPA 547	HPLC-PCR		mg/L	2	0.7	0.005	0.025
GW	EPA 547	HPLC-PCR		mg/L	2	0.005③	0.025	
Methiocarb								
BL	EPA 531.2	HPLC-PCR		mg/L	2	0.0001③	0.0005	
DW	EPA 531.2	HPLC-PCR		mg/L	2	0.0001	0.0005	
GW	EPA 531.2	HPLC-PCR		mg/L	2	0.0001③	0.0005	
Methomyl								
BL	EPA 531.2	HPLC-PCR		mg/L	2	0.0001③	0.0005	
DW	EPA 531.2	HPLC-PCR		mg/L	2	0.0001	0.0005	
GW	EPA 531.2	HPLC-PCR		mg/L	2	0.0001③	0.0005	
3-Hydroxycarbofuran								
BL	EPA 531.2	HPLC-PCR		mg/L	2	0.0001③	0.0005	
DW	EPA 531.2	HPLC-PCR		mg/L	2	0.0001	0.0005	
GW	EPA 531.2	HPLC-PCR		mg/L	2	0.0001③	0.0005	
Oxamyl (Vydate)								
BL	EPA 531.2	HPLC-PCR		mg/L	2	0.0001③	0.0005	
BW	EPA 531.2	HPLC-PCR		mg/L	2	0.2	0.0001	0.0005
DW	EPA 531.2	HPLC-PCR		mg/L	2	0.2	0.0001	0.0005

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

LS TABLE 1**Table Of Contents****VERSION 6 – REVISION 0****30 JUN 2011****Environmental Analytes, Methods & Limits****PAGE 26 OF 63**

ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
GW	EPA 531.2	HPLC-PCR		mg/L	2		0.0001③	0.0005
T1.4 HERBICIDES								
Bentazon								
BL	EPA 515.4	GC-μECD		mg/L	2		0.0001③	0.0005
DW	EPA 515.4	GC-μECD		mg/L	2		0.0001	0.0005
GW	EPA 515.4	GC-μECD		mg/L	2		0.0001③	0.0005
Dalapon								
BL	EPA 515.4	GC-μECD		mg/L	2		0.0001③	0.0005
BW	EPA 515.4	GC-μECD		mg/L	2	0.2	0.0001	0.0005
DW	EPA 515.4	GC-μECD		mg/L	2	0.2	0.0001	0.0005
GW	EPA 515.4	GC-μECD		mg/L	2		0.0001③	0.0005
2,4-Dichlorophenoxy Acetic Acid (2,4-D)								
BL	EPA 515.4	GC-μECD		mg/L	2		0.0001③	0.0005
DW	EPA 515.4	GC-μECD		mg/L	2	0.07	0.0001	0.0005
BW	EPA 515.4	GC-μECD		mg/L	2	0.07	0.0001	0.0005
GW	EPA 515.4	GC-μECD		mg/L	2		0.0001③	0.0005
Dinoseb								
BL	EPA 515.4	GC-μECD		mg/L	2		0.0001③	0.0005
BW	EPA 515.4	GC-μECD		mg/L	2	0.007	0.0001	0.0005
DW	EPA 515.4	GC-μECD		mg/L	2	0.007	0.0001	0.0005
GW	EPA 515.4	GC-μECD		mg/L	2		0.0001③	0.0005
Picloram								
BL	EPA 515.4	GC-μECD		mg/L	2		0.0001③	0.0005
BW	EPA 515.4	GC-μECD		mg/L	2	0.5	0.0001	0.0005
DW	EPA 515.4	GC-μECD		mg/L	2	0.5	0.0001	0.0005
GW	EPA 515.4	GC-μECD		mg/L	2		0.0001③	0.0005
Pentachlorophenol (PCP)								
BL	EPA 515.4	GC-μECD		mg/L	2		0.0001③	0.0005
BW	EPA 515.4	GC-μECD		mg/L	2	0.001	0.0001	0.0005

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

LS TABLE 1**Table Of Contents****VERSION 6 – REVISION 0****30 JUN 2011****Environmental Analytes, Methods & Limits****PAGE 27 OF 63**

ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
DW	EPA 515.4	GC-μECD		mg/L	2	0.001	0.0001	0.0005
GW	EPA 515.4	GC-μECD		mg/L	2		0.0001③	0.0005
2,4,5-Trichlorophenoxy Propionic Acid (2,4,5-TP or Silvex)								
BL	EPA 515.4	GC-μECD		mg/L	2		0.0001③	0.0005
BW	EPA 515.4	GC-μECD		mg/L	2	0.05	0.0001	0.0005
DW	EPA 515.4	GC-μECD		mg/L	2	0.05	0.0001	0.0005
GW	EPA 515.4	GC-μECD		mg/L	2		0.0001③	0.0005

T1.5 ADIPATE & PHTHALATE**Di(2-ethylhexyl)adipate**

BL	EPA 525.2	GC-MSD		mg/L	2		0.002③	0.003
BW	EPA 525.2	GC-MSD		mg/L	2	0.4	0.002	0.003
DW	EPA 525.2	GC-MSD		mg/L	2	0.4	0.002	0.003
GW	EPA 525.2	GC-MSD		mg/L	2		0.002③	0.003

Di(2-ethylhexyl)phthalate

BL	EPA 525.2	GC-MSD		mg/L	2		0.002③	0.003
BW	EPA 525.2	GC-MSD		mg/L	2	0.006	0.002	0.003
DW	EPA 525.2	GC-MSD		mg/L	2	0.006	0.002	0.003
GW	EPA 525.2	GC-MSD		mg/L	2		0.002③	0.003

T1.6 POLYCYCLIC AROMATIC HYDROCARBONS (PAH)**Acenaphthene**

BL	EPA 550	HPLC		mg/L	2		0.00004③	0.00005
DW	EPA 550	HPLC		mg/L	2		0.00004	0.00005
GW	EPA 550	HPLC		mg/L	2		0.00004③	0.00005

Acenaphthylene

BL	EPA 550	HPLC		mg/L	2		0.00004③	0.00005
DW	EPA 550	HPLC		mg/L	2		0.00004	0.00005
GW	EPA 550	HPLC		mg/L	2		0.00004③	0.00005

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

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LS TABLE 1**Table Of Contents****VERSION 6 – REVISION 0****30 JUN 2011****Environmental Analytes, Methods & Limits****PAGE 28 OF 63**

ANALYTE	BL –bulk liquid	BS –bulk solid	BW –bottled H ₂ O	DW –drinking H ₂ O	GW –ground H ₂ O	SL –soil	WW –waste H ₂ O	
ANALYTE	MATRIX	METHOD	INSTRUMENT	UNITS	SF ①	MCL ②	MDL	LOQ
Anthracene								
	BL	EPA 550	HPLC	mg/L	2	0.00002③	0.00005	
	DW	EPA 550	HPLC	mg/L	2	0.00002	0.00005	
	GW	EPA 550	HPLC	mg/L	2	0.00002③	0.00005	
Benz[a]anthracene								
	BL	EPA 550	HPLC	mg/L	2	0.00002③	0.00005	
	DW	EPA 550	HPLC	mg/L	2	0.00002	0.00005	
	GW	EPA 550	HPLC	mg/L	2	0.00002③	0.00005	
Benzo[al]pyrene								
	BL	EPA 550	HPLC	mg/L	2	0.000003③	0.00001	
	BW	EPA 550	HPLC	mg/L	2	0.000003	0.00001	
	DW	EPA 550	HPLC	mg/L	2	0.000003	0.00001	
	GW	EPA 550	HPLC	mg/L	2	0.000003③	0.00001	
Benzo[b]fluoranthene								
	BL	EPA 550	HPLC	mg/L	2	0.00002③	0.00005	
	DW	EPA 550	HPLC	mg/L	2	0.00002	0.00005	
	GW	EPA 550	HPLC	mg/L	2	0.00002③	0.00005	
Benzo[g,h,i]perylene								
	BL	EPA 550	HPLC	mg/L	2	0.00002③	0.00005	
	DW	EPA 550	HPLC	mg/L	2	0.00002	0.00005	
	GW	EPA 550	HPLC	mg/L	2	0.00002③	0.00005	
Benzo[k]fluoranthene								
	BL	EPA 550	HPLC	mg/L	2	0.00002③	0.00005	
	DW	EPA 550	HPLC	mg/L	2	0.00002	0.00005	
	GW	EPA 550	HPLC	mg/L	2	0.00002③	0.00005	
Chrysene								
	BL	EPA 550	HPLC	mg/L	2	0.00002③	0.00005	
	DW	EPA 550	HPLC	mg/L	2	0.00002	0.00005	
	GW	EPA 550	HPLC	mg/L	2	0.00002③	0.00005	

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

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⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

LS TABLE 1**Table Of Contents****VERSION 6 – REVISION 0****30 JUN 2011****Environmental Analytes, Methods & Limits****PAGE 29 OF 63**

ANALYTE	BL –bulk liquid	BS –bulk solid	BW –bottled H ₂ O	DW –drinking H ₂ O	GW –ground H ₂ O	SL –soil	WW –waste H ₂ O	
ANALYTE	MATRIX	METHOD	INSTRUMENT	UNITS	SF ①	MCL ②	MDL	LOQ
Dibenz[a,h]anthracene								
BL	EPA 550	HPLC		mg/L	2	0.00002③	0.00005	
DW	EPA 550	HPLC		mg/L	2	0.00002	0.00005	
GW	EPA 550	HPLC		mg/L	2	0.00002③	0.00005	
Fluoranthene								
BL	EPA 550	HPLC		mg/L	2	0.00002③	0.00005	
DW	EPA 550	HPLC		mg/L	2	0.00002	0.00005	
GW	EPA 550	HPLC		mg/L	2	0.00002③	0.00005	
Fluorene								
BL	EPA 550	HPLC		mg/L	2	0.00002③	0.00005	
DW	EPA 550	HPLC		mg/L	2	0.00002	0.00005	
GW	EPA 550	HPLC		mg/L	2	0.00002③	0.00005	
Indeno[1,2,3-cd]pyrene								
BL	EPA 550	HPLC		mg/L	2	0.00002③	0.00005	
DW	EPA 550	HPLC		mg/L	2	0.00002	0.00005	
GW	EPA 550	HPLC		mg/L	2	0.00002③	0.00005	
Naphthalene								
BL	EPA 550	HPLC		mg/L	2	0.00004③	0.00005	
DW	EPA 550	HPLC		mg/L	2	0.00004	0.00005	
GW	EPA 550	HPLC		mg/L	2	0.00004③	0.00005	
Phenanthrene								
BL	EPA 550	HPLC		mg/L	2	0.00002③	0.00005	
DW	EPA 550	HPLC		mg/L	2	0.00002	0.00005	
GW	EPA 550	HPLC		mg/L	2	0.00002③	0.00005	
Pyrene								
BL	EPA 550	HPLC		mg/L	2	0.00002③	0.00005	
DW	EPA 550	HPLC		mg/L	2	0.00002	0.00005	
GW	EPA 550	HPLC		mg/L	2	0.00002③	0.00005	

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

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ANALYTE	BL –bulk liquid	BS –bulk solid	BW –bottled H ₂ O	DW –drinking H ₂ O	GW –ground H ₂ O	SL –soil	WW –waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ

T1.7 MISCELLANEOUS ORGANIC ANALYTES**Hydrocarbon Oil Index (HOI)**

BL	ISO 9377-2:2000	GC-FID	mg/L	2	0.1	0.2
GW	ISO 9377-2:2000	GC-FID	mg/L	2	0.1	0.2
WW	ISO 9377-2:2000	GC-FID	mg/L	2	0.1	0.2

Mineral Oil Content (MOC)

BS	ISO 16703:2004	GC-FID	mg/kg	2	50	200
SL	ISO 16703:2004	GC-FID	mg/kg	2	50	200

T1.8 METAL & OTHER ELEMENT ANALYTES**Aluminum (Al)**

BL	EPA 200.7	ICP-AES	mg/L	2	0.1	0.2
BW	EPA 200.7	ICP-AES	mg/L	2	0.01	0.02
DW	EPA 200.7	ICP-AES	mg/L	2	0.01	0.02
GW	EPA 200.7⑦	ICP-AES	mg/L	2	0.01	0.02
WW	EPA 200.7	ICP-AES	mg/L	2	0.1	0.2
BL	EPA 200.8⑦	ICP-MS	mg/L	2	0.005	0.02
BW	EPA 200.8	ICP-MS	mg/L	2	0.005	0.02
DW	EPA 200.8	ICP-MS	mg/L	2	0.005	0.02
GW	EPA 200.8⑦	ICP-MS	mg/L	2	0.005	0.02

Antimony (Sb)

BL	EPA 200.7	ICP-AES	mg/L	2	0.008	0.05
BW	EPA 200.7	ICP-AES	mg/L	2	0.005	0.02
DW	EPA 200.7	ICP-AES	mg/L	2	0.005	0.02
GW	EPA 200.7⑦	ICP-AES	mg/L	2	0.005	0.02
WW	EPA 200.7	ICP-AES	mg/L	2	0.008	0.05
BL	EPA 200.8⑦	ICP-MS	mg/L	2	0.0002	0.001
BW	EPA 200.8	ICP-MS	mg/L	2	0.0002	0.001
DW	EPA 200.8	ICP-MS	mg/L	2	0.0002	0.001
GW	EPA 200.8⑦	ICP-MS	mg/L	2	0.0002	0.001

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

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⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

LS TABLE 1**Table Of Contents****VERSION 6 – REVISION 0****30 JUN 2011****PAGE 31 OF 63****Environmental Analytes, Methods & Limits**

ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
Arsenic (As)								
BL	EPA 200.7	ICP-AES		mg/L	2		0.02	0.05
BW	EPA 200.7	ICP-AES		mg/L	2	0.01	0.005	0.02
DW	EPA 200.7	ICP-AES		mg/L	2	0.01	0.005	0.02
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.005	0.02
WW	EPA 200.7	ICP-AES		mg/L	2		0.02	0.05
BL	EPA 200.8⑦	ICP-MS		mg/L	2		0.003	0.005
BW	EPA 200.8	ICP-MS		mg/L	2	0.01	0.003	0.005
DW	EPA 200.8	ICP-MS		mg/L	2	0.01	0.003	0.005
GW	EPA 200.8⑦	ICP-MS		mg/L	2		0.003	0.005
BS	EPA 6010	ICP-AES		mg/kg	2		2.0	10
SL	EPA 6010	ICP-AES		mg/kg	2		2.0	10
Barium (Ba)								
BL	EPA 200.7	ICP-AES		mg/L	2		0.005	0.05
BW	EPA 200.7	ICP-AES		mg/L	2	2	0.005	0.02
DW	EPA 200.7	ICP-AES		mg/L	2	2	0.005	0.02
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.005	0.02
WW	EPA 200.7	ICP-AES		mg/L	2		0.005	0.05
BL	EPA 200.8⑦	ICP-MS		mg/L	2		0.005	0.02
BW	EPA 200.8	ICP-MS		mg/L	2	2	0.005	0.02
DW	EPA 200.8	ICP-MS		mg/L	2	2	0.005	0.02
GW	EPA 200.8⑦	ICP-MS		mg/L	2		0.005	0.02
BS	EPA 6010	ICP-AES		mg/kg	2		5.0	10
SL	EPA 6010	ICP-AES		mg/kg	2		5.0	10
Beryllium (Be)								
BL	EPA 200.7	ICP-AES		mg/L	2		0.002	0.005
BW	EPA 200.7	ICP-AES		mg/L	2	0.004	0.002	0.005
DW	EPA 200.7	ICP-AES		mg/L	2	0.004	0.002	0.005
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.002	0.005
WW	EPA 200.7	ICP-AES		mg/L	2		0.002	0.005
BL	EPA 200.8⑦	ICP-MS		mg/L	2		0.0002	0.001
BW	EPA 200.8	ICP-MS		mg/L	2	0.004	0.0002	0.001
DW	EPA 200.8	ICP-MS		mg/L	2	0.004	0.0002	0.001
GW	EPA 200.8⑦	ICP-MS		mg/L	2		0.0002	0.001
BS	EPA 6010	ICP-AES		mg/kg	2		0.5	1.0

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

LS TABLE 1**Table Of Contents****VERSION 6 – REVISION 0****30 JUN 2011****Environmental Analytes, Methods & Limits****PAGE 32 OF 63**

ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
	MATRIX	METHOD	INSTRUMENT	UNITS	SF ①	MCL ②	MDL	LOQ
SL	EPA 6010	ICP-AES		mg/kg	2		0.5	1.0
Boron (B)								
DW	EPA 200.7	ICP-AES		mg/L	2		0.01	0.025
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.01	0.025
Cadmium (Cd)								
BL	EPA 200.7	ICP-AES		mg/L	2		0.002	0.005
BW	EPA 200.7	ICP-AES		mg/L	2	0.005	0.002	0.005
DW	EPA 200.7	ICP-AES		mg/L	2	0.005	0.002	0.005
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.002	0.005
WW	EPA 200.7	ICP-AES		mg/L	2		0.002	0.005
BL	EPA 200.8⑦	ICP-MS		mg/L	2		0.0002	0.001
BW	EPA 200.8	ICP-MS		mg/L	2	0.005	0.0002	0.001
DW	EPA 200.8	ICP-MS		mg/L	2	0.005	0.0002	0.001
GW	EPA 200.8⑦	ICP-MS		mg/L	2		0.0002	0.001
BS	EPA 6010	ICP-AES		mg/kg	2		0.5	1.0
SL	EPA 6010	ICP-AES		mg/kg	2		0.5	1.0
Calcium (Ca)								
BL	ASTM D 6919	IC		mg/L	2		2	10
DW	ASTM D 6919	IC		mg/L	2		2	10
DW	EPA 200.7	ICP-AES		mg/L	2		0.1	2.0
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.1	2.0
GW	ASTM D 6919	IC		mg/L	2		2	10
WW	ASTM D 6919	IC		mg/L	2		2	10
Chromium (Cr)								
BL	EPA 200.7	ICP-AES		mg/L	2		0.004	0.05
BW	EPA 200.7	ICP-AES		mg/L	2	0.1	0.004	0.02
DW	EPA 200.7⑦	ICP-AES		mg/L	2	0.1	0.004	0.02
GW	EPA 200.7	ICP-AES		mg/L	2		0.004	0.02
WW	EPA 200.7	ICP-AES		mg/L	2		0.004	0.05
BL	EPA 200.8⑦	ICP-MS		mg/L	2		0.002	0.005
BW	EPA 200.8	ICP-MS		mg/L	2	0.1	0.002	0.005
DW	EPA 200.8	ICP-MS		mg/L	2	0.1	0.002	0.005
GW	EPA 200.8⑦	ICP-MS		mg/L	2		0.002	0.005
BS	EPA 6010	ICP-AES		mg/kg	2		5.0	10

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

LS TABLE 1**Table Of Contents****VERSION 6 – REVISION 0****30 JUN 2011****Environmental Analytes, Methods & Limits****PAGE 33 OF 63**

ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
SL	EPA 6010	ICP-AES		mg/kg	2		5.0	10
Cobalt (Co)								
BL	EPA 200.7	ICP-AES		mg/L	2		0.01	0.05
DW	EPA 200.7	ICP-AES		mg/L	2		0.01	0.02
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.01	0.02
WW	EPA 200.7	ICP-AES		mg/L	2		0.01	0.02
BL	EPA 200.8⑦	ICP-MS		mg/L	2		0.002	0.005
DW	EPA 200.8	ICP-MS		mg/L	2		0.002	0.005
GW	EPA 200.8⑦	ICP-MS		mg/L	2		0.002	0.005
BS	EPA 6010	ICP-AES		mg/kg	2		5.0	10
SL	EPA 6010	ICP-AES		mg/kg	2		5.0	10
Copper (Cu)								
BL	EPA 200.7	ICP-AES		mg/L	2		0.01	0.05
BW	EPA 200.7	ICP-AES		mg/L	2	1.0	0.01	0.02
DW	EPA 200.7	ICP-AES		mg/L	2	1.3②	0.01	0.02
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.01	0.02
WW	EPA 200.7	ICP-AES		mg/L	2		0.01	0.05
BL	EPA 200.8⑦	ICP-MS		mg/L	2		0.002	0.02
BW	EPA 200.8	ICP-MS		mg/L	2	1.0	0.002	0.02
DW	EPA 200.8	ICP-MS		mg/L	2	1.3②	0.002	0.02
GW	EPA 200.8⑦	ICP-MS		mg/L	2		0.002	0.02
BS	EPA 6010	ICP-AES		mg/kg	2		5.0	10
SL	EPA 6010	ICP-AES		mg/kg	2		5.0	10
Iron (Fe)								
BL	EPA 200.7	ICP-AES		mg/L	2		0.1	0.2
BW	EPA 200.7	ICP-AES		mg/L	2	0.3	0.005	0.025
DW	EPA 200.7	ICP-AES		mg/L	2		0.005	0.025
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.005	0.025
WW	EPA 200.7	ICP-AES		mg/L	2		0.1	0.2
BS	EPA 6010	ICP-AES		mg/kg	2		25	50
SL	EPA 6010	ICP-AES		mg/kg	2		25	50
Lead (Pb)								
BL	EPA 200.7	ICP-AES		mg/L	2		0.007	0.05
BW	EPA 200.7	ICP-AES		mg/L	2	0.005	0.005	0.02

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

LS TABLE 1**Table Of Contents****VERSION 6 – REVISION 0****30 JUN 2011****Environmental Analytes, Methods & Limits****PAGE 34 OF 63**

ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
DW	EPA 200.7	ICP-AES		mg/L	2	0.015②	0.005	0.02
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.005	0.02
WW	EPA 200.7	ICP-AES		mg/L	2		0.007	0.05
BL	EPA 200.8⑦	ICP-MS		mg/L	2		0.0002	0.001
BW	EPA 200.8	ICP-MS		mg/L	2	0.005	0.0002	0.001
DW	EPA 200.8	ICP-MS		mg/L	2	0.015②	0.0002	0.001
GW	EPA 200.8⑦	ICP-MS		mg/L	2		0.0002	0.001
BS	EPA 6010	ICP-AES		mg/kg	2		2.5	10
SL	EPA 6010	ICP-AES		mg/kg	2		2.5	10
BS	EPA 7000B	FLAAS		mg/kg	2		2.5	50
SL	EPA 7000B	FLAAS		mg/kg	2		2.5	50
Magnesium (Mg)								
BL	ASTM D 6919	IC		mg/L	2		1	5
DW	ASTM D 6919	IC		mg/L	2		1	5
DW	EPA 200.7	ICP-AES		mg/L	2		0.05	1.0
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.05	1.0
GW	ASTM D 6919	IC		mg/L	2		1	5
WW	ASTM D 6919	IC		mg/L	2		1	5
Manganese (Mn)								
BL	EPA 200.7	ICP-AES		mg/L	2		0.002	0.05
BW	EPA 200.7	ICP-AES		mg/L	2	0.05	0.002	0.02
DW	EPA 200.7	ICP-AES		mg/L	2		0.002	0.02
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.002	0.02
WW	EPA 200.7	ICP-AES		mg/L	2		0.002	0.05
BL	EPA 200.8⑦	ICP-MS		mg/L	2		0.002	0.005
BW	EPA 200.8	ICP-MS		mg/L	2	0.05	0.002	0.005
DW	EPA 200.8	ICP-MS		mg/L	2		0.002	0.005
GW	EPA 200.8⑦	ICP-MS		mg/L	2		0.002	0.005
BS	EPA 6010	ICP-AES		mg/kg	2		5.0	10
SL	EPA 6010	ICP-AES		mg/kg	2		5.0	10
Mercury (Hg)								
BL	EPA 200.8⑦	ICP-MS		mg/L	2		0.0001	0.00025
BW	EPA 200.8	ICP-MS		mg/L	2	0.002	0.0001	0.00025
DW	EPA 200.8	ICP-MS		mg/L	2	0.002	0.0001	0.00025
GW	EPA 200.8⑦	ICP-MS		mg/L	2		0.0001	0.00025

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

LS TABLE 1**Table Of Contents****VERSION 6 – REVISION 0****30 JUN 2011****Environmental Analytes, Methods & Limits****PAGE 35 OF 63**

ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
BS	EPA 7473	TDAAS		mg/kg	2		0.1	0.2
SL	EPA 7473	TDAAS		mg/kg	2		0.1	0.2
Molybdenum (Mo)								
BL	EPA 200.7	ICP-AES		mg/L	2		0.005	0.05
DW	EPA 200.7	ICP-AES		mg/L	2		0.005	0.025
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.005	0.025
WW	EPA 200.7	ICP-AES		mg/L	2		0.005	0.05
BL	EPA 200.8⑦	ICP-MS		mg/L	2		0.003	0.005
DW	EPA 200.8	ICP-MS		mg/L	2		0.003	0.005
GW	EPA 200.8⑦	ICP-MS		mg/L	2		0.003	0.005
BS	EPA 6010	ICP-AES		mg/kg	2		5.0	10
SL	EPA 6010	ICP-AES		mg/kg	2		5.0	10
Nickel (Ni)								
BL	EPA 200.7	ICP-AES		mg/L	2		0.02	0.05
BW	EPA 200.7	ICP-AES		mg/L	2	0.1	0.004	0.02
DW	EPA 200.7	ICP-AES		mg/L	2	0.1⑥	0.004	0.02
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.004	0.02
WW	EPA 200.7	ICP-AES		mg/L	2		0.02	0.05
BL	EPA 200.8⑦	ICP-MS		mg/L	2		0.001	0.005
BW	EPA 200.8	ICP-MS		mg/L	2	0.1	0.001	0.005
DW	EPA 200.8	ICP-MS		mg/L	2	0.1⑥	0.001	0.005
GW	EPA 200.8⑦	ICP-MS		mg/L	2		0.001	0.005
BS	EPA 6010	ICP-AES		mg/kg	2		5.0	10
SL	EPA 6010	ICP-AES		mg/kg	2		5.0	10
Phosphorus, Total (P)								
DW	EPA 200.7	ICP-AES		mg/L	2		0.01	0.025
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.01	0.025
Potassium (K)								
BL	ASTM D 6919	IC		mg/L	2		0.2	1
DW	ASTM D 6919	IC		mg/L	2		0.2	1
DW	EPA 200.7	ICP-AES		mg/L	2		0.05	0.2
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.05	0.2
GW	ASTM D 6919	IC		mg/L	2		0.2	1

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

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⑧ Dissolved Metals

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⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

LS TABLE 1**Table Of Contents****VERSION 6 – REVISION 0****30 JUN 2011****PAGE 36 OF 63****Environmental Analytes, Methods & Limits**

ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
WW	ASTM D 6919	IC		mg/L	2		0.2	1
Selenium (Se)								
BL	EPA 200.7	ICP-AES		mg/L	2	0.05	0.008	0.05
DW	EPA 200.7	ICP-AES		mg/L	2	0.05	0.008	0.02
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.008	0.02
WW	EPA 200.7	ICP-AES		mg/L	2		0.008	0.05
BL	EPA 200.8⑦	ICP-MS		mg/L	2		0.003	0.005
BW	EPA 200.8	ICP-MS		mg/L	2	0.05	0.003	0.005
DW	EPA 200.8	ICP-MS		mg/L	2	0.05	0.003	0.005
GW	EPA 200.8⑦	ICP-MS		mg/L	2		0.003	0.005
BS	EPA 6010	ICP-AES		mg/kg	2		5.0	50
SL	EPA 6010	ICP-AES		mg/kg	2		5.0	50
Silicon (Si)								
BL	EPA 200.7	ICP-AES		mg/L	2		0.01	0.025
DW	EPA 200.7	ICP-AES		mg/L	2		0.01	0.025
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.01	0.025
Silver (Ag)								
BL	EPA 200.7	ICP-AES		mg/L	2		0.005	0.05
BW	EPA 200.7	ICP-AES		mg/L	2		0.005	0.02
DW	EPA 200.7	ICP-AES		mg/L	2		0.005	0.02
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.005	0.02
WW	EPA 200.7	ICP-AES		mg/L	2		0.005	0.05
BL	EPA 200.8⑦	ICP-MS		mg/L	2		0.001	0.005
BW	EPA 200.8	ICP-MS		mg/L	2		0.001	0.005
DW	EPA 200.8	ICP-MS		mg/L	2		0.001	0.005
GW	EPA 200.8⑦	ICP-MS		mg/L	2		0.001	0.005
BS	EPA 6010	ICP-AES		mg/kg	2		0.5	1.0
SL	EPA 6010	ICP-AES		mg/kg	2		0.5	1.0
Sodium (Na)								
BL	ASTM D 6919	IC		mg/L	2		3	5
DW	ASTM D 6919	IC		mg/L	2		3	5
DW	EPA 200.7	ICP-AES		mg/L	2		0.5	0.5
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.5	0.5
GW	ASTM D 6919	IC		mg/L	2		3	5

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

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⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

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ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
WW	ASTM D 6919	IC		mg/L	2		3	5
Thallium (Tl)								
BL	EPA 200.7	ICP-AES		mg/L	2		0.007	0.05
DW	EPA 200.7	ICP-AES		mg/L	2	0.002	0.01	0.02
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.01	0.02
WW	EPA 200.7	ICP-AES		mg/L	2		0.007	0.05
BL	EPA 200.8⑦	ICP-MS		mg/L	2		0.0002	0.001
BW	EPA 200.8	ICP-MS		mg/L	2	0.002	0.0002	0.001
DW	EPA 200.8	ICP-MS		mg/L	2	0.002	0.0002	0.001
GW	EPA 200.8⑦	ICP-MS		mg/L	2		0.0002	0.001
BS	EPA 6010	ICP-AES		mg/kg	2		0.5	5
SL	EPA 6010	ICP-AES		mg/kg	2		0.5	5
Tin (Sn)								
BL	EPA 200.7	ICP-AES		mg/L	2		0.05	0.05
DW	EPA 200.7	ICP-AES		mg/L	2		0.001	0.025
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.001	0.025
WW	EPA 200.7	ICP-AES		mg/L	2		0.05	0.05
DW	EPA 200.8	ICP-MS		mg/L	2		0.01	0.005
GW	EPA 200.8⑦	ICP-MS		mg/L	2		0.01	0.005
Uranium (U)								
BL	EPA 200.7	ICP-AES		mg/L	2		0.01	0.02
BW	EPA 200.7	ICP-AES		mg/L	2	0.03	0.01	0.02
DW	EPA 200.7	ICP-AES		mg/L	2	0.03	0.01	0.02
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.01	0.02
BL	EPA 200.8⑦	ICP-MS		mg/L	2		0.002	0.005
BW	EPA 200.8	ICP-MS		mg/L	2	0.03	0.002	0.005
DW	EPA 200.8	ICP-MS		mg/L	2	0.03	0.002	0.005
GW	EPA 200.8⑦	ICP-MS		mg/L	2		0.002	0.005
BS	EPA 6010	ICP-AES		mg/kg	2		10	50
SL	EPA 6010	ICP-AES		mg/kg	2		10	50
Vanadium (V)								
BL	EPA 200.7	ICP-AES		mg/L	2		0.008	0.05
DW	EPA 200.7	ICP-AES		mg/L	2		0.001	0.02

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

LS TABLE 1**Table Of Contents****VERSION 6 – REVISION 0****30 JUN 2011****Environmental Analytes, Methods & Limits****PAGE 38 OF 63**

ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.001	0.02
WW	EPA 200.7	ICP-AES		mg/L	2		0.008	0.05
BL	EPA 200.8⑦	ICP-MS		mg/L	2		0.002	0.005
DW	EPA 200.8	ICP-MS		mg/L	2		0.002	0.005
GW	EPA 200.8⑦	ICP-MS		mg/L	2		0.002	0.005
BS	EPA 6010	ICP-AES		mg/kg	2		1.0	2.5
SL	EPA 6010	ICP-AES		mg/kg	2		1.0	2.5
Zinc (Zn)								
BL	EPA 200.7	ICP-AES		mg/L	2		0.1	0.2
BW	EPA 200.7	ICP-AES		mg/L	2	5.0	0.01	0.02
DW	EPA 200.7	ICP-AES		mg/L	2		0.01	0.02
GW	EPA 200.7⑦	ICP-AES		mg/L	2		0.01	0.02
WW	EPA 200.7	ICP-AES		mg/L	2		0.1	0.2
BL	EPA 200.8⑦	ICP-MS		mg/L	2		0.005	0.02
BW	EPA 200.8	ICP-MS		mg/L	2	5.0	0.005	0.02
DW	EPA 200.8	ICP-MS		mg/L	2		0.005	0.02
GW	EPA 200.8⑦	ICP-MS		mg/L	2		0.005	0.02
BS	EPA 6010	ICP-AES		mg/kg	2		5.0	10
SL	EPA 6010	ICP-AES		mg/kg	2		5.0	10

T1.9 INORGANIC ANALYTES & PHYSICAL PARAMETERS**Alkalinity**

BL	SM 2320B	AT		mg/L	2	1	10
DW	SM 2320B	AT		mg/L	2	1	10
WW	SM 2320B	AT		mg/L	2	1	10

Ammonia (NH₃ • reported as N)

BL	ASTM D 6919	IC		mg/L	2	0.01	0.05
DW	ASTM D 6919	IC		mg/L	2	0.01	0.05
GW	ASTM D 6919	IC		mg/L	2	0.01	0.05
WW	ASTM D 6919	IC		mg/L	2	0.01	0.05

Bromide (Br)

BL	EPA 300.0	IC		mg/L	2	0.1	0.25
DW	EPA 300.0	IC		mg/L	2	0.1	0.25

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

LS TABLE 1**Table Of Contents****VERSION 6 – REVISION 0****30 JUN 2011****Environmental Analytes, Methods & Limits****PAGE 39 OF 63**

ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
WW	EPA 300.0	IC		mg/L	2		0.1	0.25
Chloride (Cl)								
BL	EPA 300.0	IC		mg/L	2		1	2.5
BW	EPA 300.0	IC		mg/L	2	250	1	2.5
DW	EPA 300.0	IC		mg/L	2		1	2.5
WW	EPA 300.0	IC		mg/L	2		1	2.5
Color (Apparent, i.e., Visual Appearance)								
BL	SM 2120B	Visual Eval,		CU	2		5	5
BW	SM 2120B	Visual Eval,		CU	2	15	5	5
DW	SM 2120B	Visual Eval,		CU	2		5	5
WW	SM 2120B	Visual Eval,		CU	2		5	5
Conductivity								
BL	SM 2510	AT		µmhos/cm	2		5	10
DW	SM 2510	AT		µmhos/cm	2		5	10
GW	SM 2510	AT		µmhos/cm	2		5	10
WW	SM 2510	AT		µmhos/cm	2		5	10
Cyanide, Free (CN)								
BL	SM 4500–CN-F	ISE		mg/L	2		0.01	0.1
BW	SM 4500–CN-F	ISE		mg/L	2	0.2	0.01	0.1
DW	SM 4500–CN-F	ISE		mg/L	2	0.2	0.01	0.1
Fluoride (F)								
BL	EPA 300.0	IC		mg/L	2		0.1	0.25
BW	EPA 300.0	IC		mg/L	2		0.1	0.25
DW	EPA 300.0	IC		mg/L	2	4	0.1	0.25
WW	EPA 300.0	IC		mg/L	2		0.1	0.25
Hardness (calculated)								
DW	SM 2340B	Calculation		mg/L	2		7	20
WW	SM 2340B	Calculation		mg/L	2		7	20
Nitrate (NO₃ • reported as N)								
BL	EPA 300.0	IC		mg/L	2		0.1	0.5

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

LS TABLE 1**Table Of Contents****VERSION 6 – REVISION 0****30 JUN 2011****Environmental Analytes, Methods & Limits****PAGE 40 OF 63**

ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
BW	EPA 300.0	IC		mg/L	2	10	0.1	0.5
DW	EPA 300.0	IC		mg/L	2	10	0.1	0.5
WW	EPA 300.0	IC		mg/L	2		0.1	0.5
Nitrite (NO₂ • reported as N)								
BL	EPA 300.0	IC		mg/L	2		0.03	0.25
BW	EPA 300.0	IC		mg/L	2	1	0.03	0.25
DW	EPA 300.0	IC		mg/L	2	1	0.03	0.25
WW	EPA 300.0	IC		mg/L	2		0.03	0.25
Odor								
BL	SM 2150B	Olfactometry		TON	2		N/A	N/A
BW	SM 2150B	Olfactometry		TON	2	3	N/A	N/A
DW	SM 2150B	Olfactometry		TON	2		N/A	N/A
Percent Dry Weight								
BS	In-house Method	Balance		%	2	N/A	N/A	
SL	In-house Method	Balance		%	2	N/A	N/A	
Perchlorate								
BL	EPA 331.0	LC-MSD		mg/L	2		0.00001③	0.0005
DW	EPA 331.0	LC-MSD		mg/L	2		0.00001	0.0005
GW	EPA 331.0	LC-MSD		mg/L	2		0.00001③	0.0005
o-Phosphate (PO₄ • reported as P)								
BL	EPA 300.0	IC		mg/L	2		0.1	0.25
DW	EPA 300.0	IC		mg/L	2		0.1	0.25
WW	EPA 300.0	IC		mg/L	2		0.1	0.25
pH								
BW	EPA 150.1	AT		pH units			Nearest 0.1 pH Unit	
DW	EPA 150.1	AT		pH units			Nearest 0.1 pH Unit	
GW	EPA 150.1	AT		pH units			Nearest 0.1 pH Unit	
BL	EPA 9040C	pH meter		pH units			Nearest 0.1 pH Unit	
WW	EPA 9040C	pH meter		pH units			Nearest 0.1 pH Unit	
BS	EPA 9045C	pH meter		pH units			Nearest 0.1 pH Unit	
SL	EPA 9045C	pH meter		pH units			Nearest 0.1 pH Unit	

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④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

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⑧ Dissolved Metals

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⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

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ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
MATRIX	METHOD	INSTRUMENT		UNITS	SF ①	MCL ②	MDL	LOQ
Saturation Index (Langelier Index)								
DW	SOP 3-IC49	Calculation		SI units	2		NA	NA
Sulfate (SO₄)								
BL	EPA 300.0	IC		mg/L	2	1	2.5	
BW	EPA 300.0	IC		mg/L	2	1	2.5	
DW	EPA 300.0	IC		mg/L	2	1	2.5	
WW	EPA 300.0	IC		mg/L	2	1	2.5	
Total Dissolved Solids (TDS)								
BL	SM2540C	Balance		mg/L	2	20	20	
BW	SM2540C	Balance		mg/L	2	500	20	20
DW	SM2540C	Balance		mg/L	2	20	20	
WW	SM2540C	Balance		mg/L	2	20	20	
Total Nitrate / Nitrite (NO₃ / NO₂• reported as N)								
BL	EPA 300.0	IC		mg/L	2	0.1	0.5	
BW	EPA 300.0	IC		mg/L	2	10	0.1	0.5
DW	EPA 300.0	IC		mg/L	2	10	0.1	0.5
GW	EPA 300.0	IC		mg/L	2	0.1	0.5	
WW	EPA 300.0	IC		mg/L	2	0.1	0.5	
Total Organic Carbon (TOC)								
BL	EPA 415.3	N/C Analyzer		mg/L	2	0.2	0.5	
BW	EPA 415.3	N/C Analyzer		mg/L	2	0.2	0.5	
DW	EPA 415.3	N/C Analyzer		mg/L	2	0.2	0.5	
GW	EPA 415.3	N/C Analyzer		mg/L	2	0.2	0.5	
Total Suspended Solids (TSS)								
BL	USGS I-3765-85	Balance		mg/L	2	20	20	
BW	USGS I-3765-85	Balance		mg/L	2	20	20	
DW	USGS I-3765-85	Balance		mg/L	2	20	20	
GW	USGS I-3765-85	Balance		mg/L	2	20	20	
WW	USGS I-3765-85	Balance		mg/L	2	20	20	
Turbidity								
BL	EPA 180.1	Turbidity Meter		NTU	2	0.2	0.5	

① Default number of Significant Figures (SF): 2

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③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

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ANALYTE	MATRIX	METHOD	INSTRUMENT	UNITS	SF ①	MCL ②	MDL	LOQ
BW	EPA 180.1	Turbidity Meter	NTU	2	5		0.2	0.5
DW	EPA 180.1	Turbidity Meter	NTU	2			0.2	0.5
WW	EPA 180.1	Turbidity Meter	NTU	2			0.2	0.5

T1.10 RADIONUCLIDES**Gross Alpha Activity, Total**

BL	EPA 900.0	GFPC	pCi/L	2	9	9
BW	EPA 900.0	GFPC	pCi/L	2	15③	9
DW	EPA 900.0	GFPC	pCi/L	2	15③	9
WW	EPA 900.0	GFPC	pCi/L	2	9	9

Gross Beta Activity, Total

BL	EPA 900.0	GFPC	pCi/L	2	9	9
BW	EPA 900.0	GFPC	pCi/L	2	9	9
DW	EPA 900.0	GFPC	pCi/L	2	9	9
WW	EPA 900.0	GFPC	pCi/L	2	9	9

T1.11 DEPLOYMENT DW SCREENING KIT: VOLATILE ORGANIC COMPOUNDS**Benzene**

DW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.0005	0.001
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Bromodichloromethane (Dichlorobromomethane)

DW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.0005	0.001
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Bromoform

DW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.0005	0.001
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Carbon Tetrachloride

DW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.0005	0.001
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Chlorobenzene

DW	EPA 524.2②	GC-MSD, P&T	mg/L	2	0.0005	0.001
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① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

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⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

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ANALYTE	BL–bulk liquid	BS–bulk solid	BW–bottled H₂O	DW–drinking H₂O	GW–ground H₂O	SL–soil	WW–waste H₂O	
ANALYTE	MATRIX	METHOD	INSTRUMENT	UNITS	SF ①	MCL ②	MDL	LOQ
Chlorodibromomethane (Dibromochloromethane)								
	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
Chloroform								
	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
1,2-Dibromo-3-chloropropane (DBCP)								
	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
1,2-Dibromoethane (Ethylene Dibromide or EDB)								
	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
1,2-Dichlorobenzene								
	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
1,4-Dichlorobenzene								
	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
1,2-Dichloroethane								
	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
1,1-Dichloroethene								
	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
cis-1,2-Dichloroethene								
	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
trans-1,2-Dichloroethene								
	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
1,2-Dichloropropane								
	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
Ethylbenzene								
	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

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⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

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ANALYTE	BL–bulk liquid	BS–bulk solid	BW–bottled H₂O	DW–drinking H₂O	GW–ground H₂O	SL–soil	WW–waste H₂O	
ANALYTE	MATRIX	METHOD	INSTRUMENT	UNITS	SF ①	MCL ②	MDL	LOQ
Hexachlorobutadiene	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
Methylene Chloride	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
Naphthalene	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
Styrene	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
Tetrachloroethene (PCE)	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
Toluene	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
1,2,4-Trichlorobenzene	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
1,1,1-Trichloroethane	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
1,1,2-Trichloroethane	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
Trichloroethene (TCE)	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
Trihalomethanes, Total	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001
Vinyl chloride	DW	EPA 524.2②	GC-MSD, P&T	mg/L	2		0.0005	0.001

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

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ANALYTE	BL–bulk liquid	BS–bulk solid	BW–bottled H₂O	DW–drinking H₂O	GW–ground H₂O	SL–soil	WW–waste H₂O	
ANALYTE	MATRIX	METHOD	INSTRUMENT	UNITS	SF ①	MCL ②	MDL	LOQ
Xylenes, Total (sum of ortho-, meta-, & para-xylene)								
	DW	EPA 524.2③	GC-MSD, P&T	mg/L	2		0.0005	0.001
T1.12 DEPLOYMENT DW SCREENING KIT: CHLORINATED PESTICIDES								
Alachlor								
	DW	EPA 505	GC-μECD	mg/L	2		0.00002	0.0001
Aldrin								
	DW	EPA 505	GC-μECD	mg/L	2		0.00002	0.0001
Atrazine								
	DW	EPA 505	GC-MSD	mg/L	2		0.0001	0.0005
Chlordane (technical mixture)								
	DW	EPA 505	GC-μECD	mg/L	2		0.0001	0.0005
Dieldrin								
	DW	EPA 505	GC-μECD	mg/L	2		0.00002	0.0001
Endrin								
	DW	EPA 505	GC-μECD	mg/L	2		0.00002	0.0001
Heptachlor								
	DW	EPA 505	GC-μECD	mg/L	2		0.00002	0.0001
Heptachlor Epoxide								
	DW	EPA 505	GC-μECD	mg/L	2		0.00002	0.0001
Hexachlorobenzene								
	DW	EPA 505	GC-μECD	mg/L	2		0.00002	0.0001
Hexachlorocyclopentadiene								
	DW	EPA 505	GC-μECD	mg/L	2		0.0001	0.001

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

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⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

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ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
ANALYTE	MATRIX	METHOD	INSTRUMENT	UNITS	SF ①	MCL ②	MDL	LOQ
Lindane (gamma-BHC, gamma-HCH)								
	DW	EPA 505	GC-μECD	mg/L	2		0.00002	0.0001
Methoxychlor								
	DW	EPA 505	GC-μECD	mg/L	2		0.00002	0.0001
Polychlorinated Biphenyls (Aroclors)								
	DW	EPA 505	GC-μECD	mg/L	2		0.0001	0.0005
Simazine								
	DW	EPA 505	GC-MSD	mg/L	2		0.0001	0.0005
Toxaphene								
	DW	EPA 505	GC-μECD	mg/L	2		0.001	0.003
T1.13 DEPLOYMENT DW SCREENING KIT: CARBAMATE (N-METHYL) PESTICIDES, GLYPHOSATE & DIQUAT								
Aldicarb								
	DW	EPA 531.2	HPLC-PCR	mg/L	2		0.0001	0.0005
Aldicarb Sulfone								
	DW	EPA 531.2	HPLC-PCR	mg/L	2		0.0001	0.0005
Aldicarb Sulfoxide								
	DW	EPA 531.2	HPLC-PCR	mg/L	2		0.0001	0.0005
Carbofuran								
	DW	EPA 531.2	HPLC-PCR	mg/L	2		0.0001	0.0005
Diquat								
	DW	In-house	LC-MSD	mg/L	2		0.002	0.01
Glyphosate								
	DW	EPA 547	HPLC-PCR	mg/L	2		0.005	0.025

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

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ANALYTE	BL–bulk liquid	BS–bulk solid	BW–bottled H₂O	DW–drinking H₂O	GW–ground H₂O	SL–soil	WW–waste H₂O	
ANALYTE	MATRIX	METHOD	INSTRUMENT	UNITS	SF ①	MCL ②	MDL	LOQ
Oxamyl (Vydate)	DW	EPA 531.2	HPLC-PCR	mg/L	2		0.0001	0.0005
T1.14 DEPLOYMENT DW SCREENING KIT: HERBICIDES								
Dalapon	DW	EPA 515.4	GC-μECD	mg/L	2		0.0001	0.0005
2,4-Dichlorophenoxy Acetic Acid (2,4-D)	DW	EPA 515.4	GC-μECD	mg/L	2		0.0001	0.0005
2,4-Dichlorophenoxy Butyric Acid (2,4-DB)	DW	EPA 515.4	GC-μECD	mg/L	2		0.0001	0.0005
2,4-Dichlorophenoxy Propionic Acid (Dichloroprop or 2,4-DP)	DW	EPA 515.4	GC-μECD	mg/L	2		0.0001	0.0005
Dinoseb	DW	EPA 515.4	GC-μECD	mg/L	2		0.0001	0.0005
Picloram	DW	EPA 515.4	GC-μECD	mg/L	2		0.0001	0.0005
Pentachlorophenol (PCP)	DW	EPA 515.4	GC-μECD	mg/L	2		0.0001	0.0005
2,4,5-Trichlorophenoxy Acetic Acid (2,4,5-T)	DW	EPA 515.4	GC-μECD	mg/L	2		0.0001	0.0005
2,4,5-Trichlorophenoxy Propionic Acid (2,4,5-TP or Silvex)	DW	EPA 515.4	GC-μECD	mg/L	2		0.0001	0.0005

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

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⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

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BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O		
ANALYTE	MATRIX	METHOD	INSTRUMENT	UNITS	SF ①	MCL ②	MDL	LOQ

T1.15 DEPLOYMENT DW SCREENING KIT: SVOC**Anthracene**

DW	In-house	GC-MSD	mg/L	2	0.0001	0.00025
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Benz[a]anthracene

DW	In-house	GC-MSD	mg/L	2	0.0001	0.00025
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Benzo[a]pyrene

DW	In-house	GC-MSD	mg/L	2	0.0001	0.00025
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Benzo[b]fluoranthene

DW	In-house	GC-MSD	mg/L	2	0.0001	0.00025
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p,p'-DDD

DW	In-house	GC-MSD	mg/L	2	0.0001	0.00025
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p,p'-DDE

DW	In-house	GC-MSD	mg/L	2	0.0001	0.00025
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p,p'-DDT

DW	In-house	GC-MSD	mg/L	2	0.0001	0.00025
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Di(2-ethylhexyl)adipate

DW	In-house	GC-MSD	mg/L	2	0.002	0.003
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Di(2-ethylhexyl)phthalate

DW	In-house	GC-MSD	mg/L	2	0.002	0.003
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T1.16 DEPLOYMENT DW SCREENING KIT: METAL & OTHER ELEMENT ANALYTES**Aluminum (Al)**

DW	EPA 200.7	ICP-AES	mg/L	2	0.01	0.02
DW	EPA 200.8	ICP-MS	mg/L	2	0.005	0.02

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)

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ANALYTE	BL–bulk liquid	BS–bulk solid	BW–bottled H₂O	DW–drinking H₂O	GW–ground H₂O	SL–soil	WW–waste H₂O	
ANALYTE	MATRIX	METHOD	INSTRUMENT	UNITS	SF①	MCL②	MDL	LOQ
Antimony (Sb)								
	DW	EPA 200.7	ICP-AES	mg/L	2	0.005	0.025	
	DW	EPA 200.8	ICP-MS	mg/L	2	0.0002	0.001	
Arsenic (As)								
	DW	EPA 200.7	ICP-AES	mg/L	2	0.005	0.02	
	DW	EPA 200.8	ICP-MS	mg/L	2	0.003	0.005	
Barium (Ba)								
	DW	EPA 200.7	ICP-AES	mg/L	2	0.005	0.02	
	DW	EPA 200.8	ICP-MS	mg/L	2	0.005	0.02	
Boron (B)								
	DW	EPA 200.7	ICP-AES	mg/L	2	0.01	0.025	
Beryllium (Be)								
	DW	EPA 200.7	ICP-AES	mg/L	2	0.002	0.005	
	DW	EPA 200.8	ICP-MS	mg/L	2	0.0002	0.001	
Cadmium (Cd)								
	DW	EPA 200.7	ICP-AES	mg/L	2	0.002	0.005	
	DW	EPA 200.8	ICP-MS	mg/L	2	0.0002	0.001	
Chromium (Cr)								
	DW	EPA 200.7	ICP-AES	mg/L	2	0.004	0.02	
	DW	EPA 200.8	ICP-MS	mg/L	2	0.002	0.005	
Copper (Cu)								
	DW	EPA 200.7	ICP-AES	mg/L	2	0.01	0.02	
	DW	EPA 200.8	ICP-MS	mg/L	2	0.002	0.02	
Iron (Fe)								
	DW	EPA 200.7	ICP-AES	mg/L	2	0.005	0.025	
Lead (Pb)								
	DW	EPA 200.7	ICP-AES	mg/L	2	0.005	0.02	
	DW	EPA 200.8	ICP-MS	mg/L	2	0.0002	0.001	

① Default number of Significant Figures (SF): 2

② MCL for dw & bw matrix only (SDWA, 40 CFR & 21 CFR)

③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

④ MDL subject to matrix interference

⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

⑦ MCL for dw matrix only (OEBGD)

⑧ Dissolved Metals

⑨ Reporting Limit is verified with each analytical run

⑩ Uncertainty & Minimum Detectable Activity Reported

⑪ Absolute instrument based MDL

⑫ EPA 5035A Low VOC Procedure (5 g Soil & see T1.22 page 55 of 61)

⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)

⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level

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ANALYTE	MATRIX	METHOD	INSTRUMENT	UNITS	SF①	MCL②	MDL	LOQ
Magnesium (Mg)								
DW		ASTM D6919	IC	mg/L	2	1.0	5.0	
DW		EPA 200.7	ICP-AES	mg/L	2	0.05	1.0	
Manganese (Mn)								
DW		EPA 200.7	ICP-AES	mg/L	2	0.002	0.02	
DW		EPA 200.8	ICP-MS	mg/L	2	0.002	0.005	
Mercury (Hg)								
DW		EPA 200.8	ICP-MS	mg/L	2	0.0001	0.00025	
Molybdenum (Mo)								
DW		EPA 200.7	ICP-AES	mg/L	2	0.005	0.025	
DW		EPA 200.8	ICP-MS	mg/L	2	0.003	0.005	
Nickel (Ni)								
DW		EPA 200.7	ICP-AES	mg/L	2	0.004	0.02	
DW		EPA 200.8	ICP-MS	mg/L	2	0.001	0.005	
Selenium (Se)								
DW		EPA 200.7	ICP-AES	mg/L	2	0.005	0.02	
DW		EPA 200.8	ICP-MS	mg/L	2	0.003	0.005	
Sodium (Na)								
DW		ASTM D6919	IC	mg/L	2	3.0	5.0	
DW		EPA 200.7	ICP-AES	mg/L	2	0.5	0.5	
Thallium (Tl)								
DW		EPA 200.7	ICP-AES	mg/L	2	0.01	0.02	
DW		EPA 200.8	ICP-MS	mg/L	2	0.0002	0.001	
Uranium (U)								
DW		EPA 200.7	ICP-AES	mg/L	2	0.01	0.02	
DW		EPA 200.8	ICP-MS	mg/L	2	0.002	0.005	
Vanadium (V)								
DW		EPA 200.7	ICP-AES	mg/L	2	0.001	0.02	

① Default number of Significant Figures (SF): 2

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⑤ Total Trihalomethanes MCL

⑥ Total Xylenes MCL

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ANALYTE	BL -bulk liquid	BS -bulk solid	BW -bottled H ₂ O	DW -drinking H ₂ O	GW -ground H ₂ O	SL -soil	WW -waste H ₂ O	
ANALYTE	MATRIX	METHOD	INSTRUMENT	UNITS	SF ①	MCL ②	MDL	LOQ
	DW	EPA 200.8	ICP-MS	mg/L	2		0.002	0.005
T1.17 DEPLOYMENT DW SCREENING KIT: NON-METAL ANALYTES								
Chloride (Cl)								
	DW	EPA 300.0	IC	mg/L	2		1	2.5
Color (Apparent, i.e., Visual Appearance)								
	DW	SM 2120B	Visual	CU	2		5	5
Conductivity								
	DW	SM 2510	AT	µmhos/cm	2		5	10
Cyanide, Free (CN)								
	DW	SM 4500-CN-F	ISE	mg/L	2		0.01	0.1
Fluoride (F)								
	DW	EPA 300.0	IC	mg/L	2		0.1	0.25
Perchlorate								
	DW	EPA 331.0	LC-MSD	mg/L	2		0.0001	0.0005
pH								
	DW	EPA 150.1	AT	pH units	2		NA	NA
Sulfate (SO₄)								
	DW	EPA 300.0	IC	mg/L	2		1	2.5
Total Dissolved Solids (TDS)								
	DW	SM 2540C	Balance	mg/L	2		5	5
Total Organic Carbon (TOC)								
	DW	EPA 415.3	N/C Analyzer	mg/L	2		0.2	0.5
Total Nitrate / Nitrite (NO₃ / NO₂• reported as N)								
	DW	EPA 300.0	IC	mg/L	2		0.1	0.5

① Default number of Significant Figures (SF): 2

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<i>BL</i> -bulk liquid	<i>BS</i> -bulk solid	<i>BW</i> -bottled H ₂ O	<i>DW</i> -drinking H ₂ O	<i>GW</i> -ground H ₂ O	<i>SL</i> -soil	<i>WW</i> -waste H ₂ O		
ANALYTE	MATRIX	METHOD	INSTRUMENT	UNITS	SF①	MCL②	MDL	LOQ

Turbidity

DW	EPA 180.1	Turbidity Meter	NTU	2	0.2	0.5
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T1.18 DEPLOYMENT DW SCREENING KIT: RADIONUCLIDES**Gross Alpha Activity, Total**

DW	EPA 900.0	GFPC	pCi/L	2	⑨	⑨
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Gross Beta Activity, Total

DW	EPA 900.0	GFPC	pCi/L	2	⑨	⑨
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① Default number of Significant Figures (SF): 2

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③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995

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<i>BL</i> -bulk liquid	<i>BS</i> -bulk solid	<i>BW</i> -bottled H ₂ O	<i>DW</i> -drinking H ₂ O	<i>GW</i> -ground H ₂ O	<i>SL</i> -soil	<i>WW</i> -waste H ₂ O
ANALYTE	METHOD & (MATRIX)	INSTRUMENT	UNITS	SF^⑨	MDL^⑩	LOQ
T1.19 INDUSTRIAL HYGIENE (IH) INORGANIC ANALYTES						
Asbestos, Bulk						
EPA 600/R-93/116		PLM	%	2	Trace (<1%)	1%
Aluminum (Al)						
NIOSH 7300 (MCE Filter)		ICP-AES	µg	2	2.5	25
Arsenic (As)						
NIOSH 7300 (MCE Filter)		ICP-AES	µg	2	1	25
Beryllium (Be)						
NIOSH 7300 (MCE Filter)		ICP-AES	µg	2	0.1	0.5
OSHA 125 (Wipe)		ICP-AES	µg	2	0.1	0.5
Cadmium (Cd)						
NIOSH 7300 (MCE Filter)		ICP-AES	µg	2	0.1	0.5
OSHA 125 (Wipe)		ICP-AES	µg	2	0.1	0.5
Chromium (Cr)						
NIOSH 7300 (MCE Filter)		ICP-AES	µg	2	0.2	25
OSHA 125 (Wipe)		ICP-AES	µg	2	1	25
Cobalt (Co)						
NIOSH 7300 (MCE Filter)		ICP-AES	µg	2	0.1	25
OSHA 125 (Wipe)		ICP-AES	µg	2	5	10
Copper (Cu)						
NIOSH 7300 (MCE Filter)		ICP-AES	µg	2	0.1	25
OSHA 125 (Wipe)		ICP-AES	µg	2	1	25
Fibers, (Asbestos)						
NIOSH 7400 (MCE Filter)	PCM		Fibers/cc	2	0.001	0.01
NIOSH 7400 (Blank Media)	PCM		Fibers/mm ²			
Iron (Fe)						
NIOSH 7300 (MCE Filter)		ICP-AES	µg	2	2	25
OSAH 125 (Wipe)		ICP-AES	µg	2	10	25
Lead (Pb), ④ELLAP						
EPA 6010 (Soil)		ICP-AES	mg/kg	2	2.5	10

⑨ Default number of Significant Figures (SF): 2
 ⑩ Absolute instrument based MDL

④ Environmental Lead Laboratory Accreditation Program (ELLAP)

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<i>BL</i> -bulk liquid	<i>BS</i> -bulk solid	<i>BW</i> -bottled H ₂ O	<i>DW</i> -drinking H ₂ O	<i>GW</i> -ground H ₂ O	<i>SL</i> -soil	<i>WW</i> -waste H ₂ O
ANALYTE	METHOD & (MATRIX)	INSTRUMENT	UNITS	SF ^⑨	MDL ^⑩	LOQ
EPA 7000B (Paint Chips)	FLAAS	%	2	0.005	0.01	
NIOSH 7300 (MCE Filter)	ICP-AES	µg	2	0.5	0.5	
OSHA 125 (Wipe)	ICP-AES	µg	2	5	10	
Lead (Pb), NON-ELLAP^④						
NIOSH 7300 (MCE Filter)	ICP-AES	µg	2	0.5	0.5	
OSHA 125 (Wipe)	ICP-AES	µg	2	0.5	0.5	
Manganese (Mn)						
NIOSH 7300 (MCE Filter)	ICP-AES	µg	2	0.5	25	
OSHA 125 (Wipe)	ICP-AES	µg	2	2	5	
Molybdenum (Mo)						
NIOSH 7300 (MCE Filter)	ICP-AES	µg	2	0.5	25	
Nickel (Ni)						
NIOSH 7300 (MCE Filter)	ICP-AES	µg	2	0.5	25	
OSHA 125 (Wipe)	ICP-AES	µg	2	2	25	
Tin (Sn)						
NIOSH 7300 (MCE Filter)	ICP-AES	µg	2	0.5	25	
Zinc (Zn)						
NIOSH 7300 (MCE Filter)	ICP-AES	µg	2	1.5	25	



^⑨ Default number of Significant Figures (SF): 2
^⑩ Absolute instrument based MDL

^④ Environmental Lead Laboratory Accreditation Program (ELLAP)

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ANALYTE MATRIX									
	METHOD	INSTRUMENT	UNITS	DATA					
T1.20 QUALITATIVE IDENTIFICATION OF UNKNOWN MATERIALS									
Cyanide Screen									
BL	In-house Method	Qualitative	N/A	Positive / Negative					
BS	In-house Method	Qualitative	N/A	Positive / Negative					
Flash Point									
BL	ASTM D6450-99	Grabner Miniflash	°C	Nearest Whole °C (20–150 °C)					
Ignitability									
BS	In-house Method	Qualitative	N/A	Positive / Negative					
Melting Point									
BS	In-house Method	Melting Point App.	°C	Nearest Whole °C (30–300 °C)					
Mercury (Hg)									
BS	EPA 7473	TDAAS	mg/kg	Semi-Quantitative					
Metals Screen, Total									
BL	In-house Method	ICP-AES	%	Qualitative					
BS	In-house Method	ICP-AES	%, mg/L, or mg/kg	Qualitative					
Organic Screen (Qualitative / Non-reactive organic compounds)									
BL	Extraction	GC-MSD	N/A	Qualitative					
BS	Extraction	GC-MSD	N/A	Qualitative					
Percent Dry Weight									
BS	In-house Method	Balance	%						
SL	In-house Method	Balance	%						
pH									
BL	EPA 9040C	pH meter	pH units	Nearest 0.1 pH Unit					
BS	EPA 9045C	pH meter	pH units	Nearest 0.1 pH Unit					
Sulfide Screen									
BL	ASTM D4978-95 (2007)	Qualitative	N/A	Positive / Negative					
BS	ASTM D4978-95 (2007)	Qualitative	N/A	Positive / Negative					
Volatile Organic Screen (Qualitative)									
BL	In-house Method	GC-MSD	N/A	Qualitative					
BS	In-house Method	GC-MSD	N/A	Qualitative					

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ANALYTE MATRIX	METHOD		INSTRUMENT		UNITS		DATA
Water Reactivity							
BL	In-house Method		Qualitative		N/A		Reactive / Nonreactive
BS	In-house Method		Qualitative		N/A		Reactive / Nonreactive
Water Solubility							
BL	In-house Method		Qualitative		N/A	Soluble / Partially / Nonsoluble	
BS	In-house Method		Qualitative		N/A	Soluble / Partially / Nonsoluble	

T1.21 ENVIRONMENTAL INORGANIC ANALYTE INDIVIDUAL DIGESTION METHODS

- ASTM E1644–04 Standard Practice for Hot Plate Digestion of Dust Wipe Samples for the Determination of Lead
- ASTM E1645–01 Standard Practice for the Preparation of Dried Paint Samples by Hot Plate or Microwave Digestion for Subsequent Lead Analysis
- EPA 3010A Acid Digestion of Aqueous Samples and Extracts for Total Metals for Analysis by FLAA or ICP Spectroscopy (SW-846, Update I, July 1992)
- EPA 3050B Acid Digestion of Sediments, Sludges, and Soils (SW-846, Update III, Revision 2, December 1996)

T1.22 FOOTNOTE KEY

- ① Default number of Significant Figures (SF): 2
- ② MCL for dw matrix only (SDWA, 40 CFR)
- ③ EPA-500 Series Supplement III, Rev. 4.1, Aug. 1995
- ④ MDL subject to matrix interference
- ⑤ Total Trihalomethanes MCL
- ⑥ Total Xylenes MCL
- ⑦ MCL for dw matrix only (OEBGD)
- ⑧ Dissolved Metals
- ⑨ Reporting Limit Verified with each analytical run
- ⑩ Uncertainty & Minimum Detectable Activity Reported
- ⑪ Absolute instrument based MDL
- ⑫ EPA 5035A Low VOC Procedure (5 g Soil & 10 mL Sodium Bisulfate Solution or 10 mL H₂O), Note: Sodium Bisulfate Solution: 2 g of sodium bisulfate in 10 mL of water.)
- ⑬ EPA 5035A High VOC Procedure (5 g Soil & 10 mL CH₃OH)
- ⑭ EPA Lead (Pb) & Copper (Cu) Rule Action Level
- ⑮ MCL excludes radon & uranium activity (SDWA, 40 CFR & 21 CFR)
- ⑯ Environmental Lead Laboratory Accreditation Program (ELLAP)

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T1.23 MATRIX ABBREVIATION KEY

BL—bulk liquid

BS—bulk solid

BW—bottled water

DW—drinking water

GW—ground water

SL—soil

WW—wastewater

T1.24 INSTRUMENTATION ABBREVIATION KEY

AT = Automatic Titrator

FLAAS = Flame Atomic Absorption Spectrophotometer

GC-ECD = Gas Chromatograph – Electron Capture Detector

GC- μ ECD = Gas Chromatograph – micro-Electron Capture Detector

GC-FID = Gas Chromatograph – Flame Ionization Detector

GC-MSD = Gas Chromatograph – Mass Selective Detector

GC-MSD, P&T = Gas Chromatograph – Mass Selective Detector – Purge & Trap

GFPC = Gas Flow Proportional Counter

HPLC = High Performance Liquid Chromatograph

HPLC-PCR = High Performance Liquid Chromatograph Post Column Reaction

IC = Ion Chromatograph

ICP-AES = Inductively Coupled Plasma Atomic Emission Spectrophotometer

ICP-MS = Inductively Coupled Plasma Mass Spectrometer

ISE = Ion Selective Electrode

LC-MSD = Liquid Chromatograph – Mass Selective Detector

N/C Analyzer = Nitrogen / Carbon Analyzer

PCM = Phase Contrast Microscope

PLM = Polarized Light Microscope

TDAAS = Thermal Decomposition, Amalgamation, & Atomic Absorption Spectrophotometer

T1.25 ABBREVIATION KEY

CFR = Code of Federal Regulations

CU = Color Units

EPA = Environmental Protection Agency

LOQ = Limit of Quantitation

MCL = Maximum Contaminant Level

MDL = Method Detection Limit

NTU = Nephelometric Turbidity Unit

OEBGD = Overseas Environmental Baseline Guidance Document

pCi = Picocurie

SDWA = Safe Drinking Water Act

SF = Significant Figures

TON = Threshold Odor Number

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T1.26 USAPHCR-EUROPE LABORATORY SCIENCES MISSION STATEMENT

Provide sound science for risk-based decision making based on honest, ethical data reporting.

The USAPHCR-Europe Laboratory Sciences group maintains an ISO / IEC 17025:2005 nationally and internationally accredited laboratory, operating under an ISO 9001:2008 Registered Quality Management System and an ISO 14001:2004 Registered Environmental Management System. These Internationally recognized Accreditations and Registrations comprise the LS Quality System (QS) and serve as the backbone that enables us to provide quality biological and environmental laboratory services supporting the Public Health Programs of our National Military Strategy in the U.S. European Command (**EUCOM**), U.S. Central Command (**CENTCOM**), and U.S. Africa Command (**AFRICOM**) areas of responsibility.

T1.27 USAPHCR-EUROPE LABORATORY SCIENCES UNDERGOING TRANSITION

The Commander of the U.S. Army Medical Command directed the integration of the U.S. Army Center for Health Promotion and Preventive Medicine (USACHPPM) and the U.S. Army Veterinary Command (VETCOM) to create the U.S. Army Public Health Command (USAPHC). The consolidation of the laboratory functions of these two commands into a single laboratory group provided the foundation to bring the new Laboratories' unique capabilities to bear on many difficult challenges related to DoD Public Health issues. The USAPHCR-Europe Laboratory Sciences (LS) group, under the direction of the LS Laboratory Director, became operational on 07 September 2010, upon successful integration of the legacy Department of Laboratory Sciences (DLS) and Veterinary Laboratory Europe (VLE).

T1.28 LABORATORY SCIENCES QUALITY POLICY

The Laboratory Sciences' (LS) Quality Policy is the foundation upon which LS' past and future success has and will continue to be achieved and is an accurate representation of top management's vision, strategy, and commitment to Quality.

The purpose of the Quality Management System (QMS), that encompasses all aspects of the ISO / IEC 17025:2005, ISO 9001:2008, and ISO 14001:2004 Standards, is to provide a defined Quality framework for all LS employees to work within that highlights their relevance and importance in the system and organization, guides them in their daily work-related duties and decision-making, and defines ethical rules and boundaries. This type of management system creates an open and honest work environment that promotes trust in the QMS and the Management Review Team (MRT) and is flexible enough to allow growth through implementation of identified Opportunities for Improvement (OFI).

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The LS MRT is fully committed to the achievement of the following goals:

- The highest ethical and professional practices by all LS Staff.
- The best level of quality in testing as required by our customers.
- Excellent customer service.
- Continual improvement of the effectiveness of the Quality System.
- Compliance with the requirements of ISO / IEC 17025, ISO 9001, and ISO 14001 Standards, as well as those of applicable accrediting, regulatory, and / or legal bodies.

With these goals in mind, the MRT has defined the following Quality Objectives for LS Staff:

- Produce quality analytical data by:
 - Maintaining qualified, competent well-trained staff through external and internal training opportunities.
 - Monitoring laboratory performance through data review and validation, equipment maintenance and verification, and the Quality Control (QC) and Proficiency Testing (PT) programs.
 - The continuous review of the QMS to identify areas for improvement with Quality System Review (QSR) and Management Review Team (MRT) meetings, internal and external audits, and corrective and preventive actions.
- Provide excellent service to our customers by:
 - Carefully selecting our contractors and vendors to provide quality supplies and laboratory information.
 - Carefully planning our work and services to meet specified requirements, Data Quality Objectives (DQOs), and / or Memorandum of Understanding (MOU) for projects, products, or contracts.
 - Seeking feedback from our customers on how we can improve our service to them through customer surveys, meetings, or telephone consults, and providing feedback and follow-up to them.
 - Assisting each other to go above and beyond in all aspects of our work in order to delight the customer.
 - Looking for innovative solutions and promoting technological advancements.

All LS personnel are required to be thoroughly familiar with the necessary QMS documentation and fully implement the quality policies and procedures in every aspect of their work. This policy shall be reviewed by the MRT on an annual basis, or as required for continuing suitability. The Quality Policy statement is issued under the authority of the LS Laboratory and Technical Director (chief executive).

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T1.29 LABORATORY SCIENCES ENVIRONMENTAL POLICY

LS is fully committed to being an environmentally responsible neighbor to both our immediate community and the global neighborhood in which we live and work. Our commitment to environmental stewardship enhances our reputation and engenders trust with our customers as we do everything practical to protect the environment from which we derive our business. LS continuously builds on our knowledge base, maintains awareness of environmental issues and legal requirements, and communicates our goals through continuing education and training programs. Appropriate and timely use of technological resources by qualified personnel is the cornerstone for continually improving the LS Environmental Program, while ensuring our commitment to conservation of natural resources. Top management wholly supports the following tenets of our Environmental Policy and provides them as guidance to all LS' employees:

Prevention of Pollution

LS utilizes safe technologies and operating procedures designed to minimize risks for its employees and neighboring communities. LS makes every effort to prevent our work from impacting negatively on the environment by implementing analytical procedures that minimize our consumption of materials and reduce our waste generation. LS purchases state-of-the-art instrumentation, and complies with established regulations for the safe treatment and disposal of generated waste.

Compliance

LS employs procedures to meet, and when possible, surpass the compliance requirements of U.S. Military regulations and applicable legal and statutory requirements. Management monitors changes in legal or military requirements in order to guarantee the ability of LS to be compliant. LS establishes and meets its own standards to support pollution prevention goals, when legal requirements and regulations are nonexistent.

Continual Improvement

LS actively seeks opportunities to improve our adherence to the principles of environmental management. Our main focus is the continual assessment of our environmental aspects, impacts, objectives and targets using sound scientific data, and by conducting regular internal audits to ensure compliance with our policies and procedures. LS employees are encouraged to continually seek ways to minimize the production of chemical waste and usage of resources, while adhering to established recycling and waste management practices. As an environmentally responsible organization, LS strives to improve our own environmental performance by promoting our own conservation efforts.

Communication

LS communicates our tenets and mandates to stakeholders to ensure full role and responsibility awareness and solicits input on our environmental program. We also

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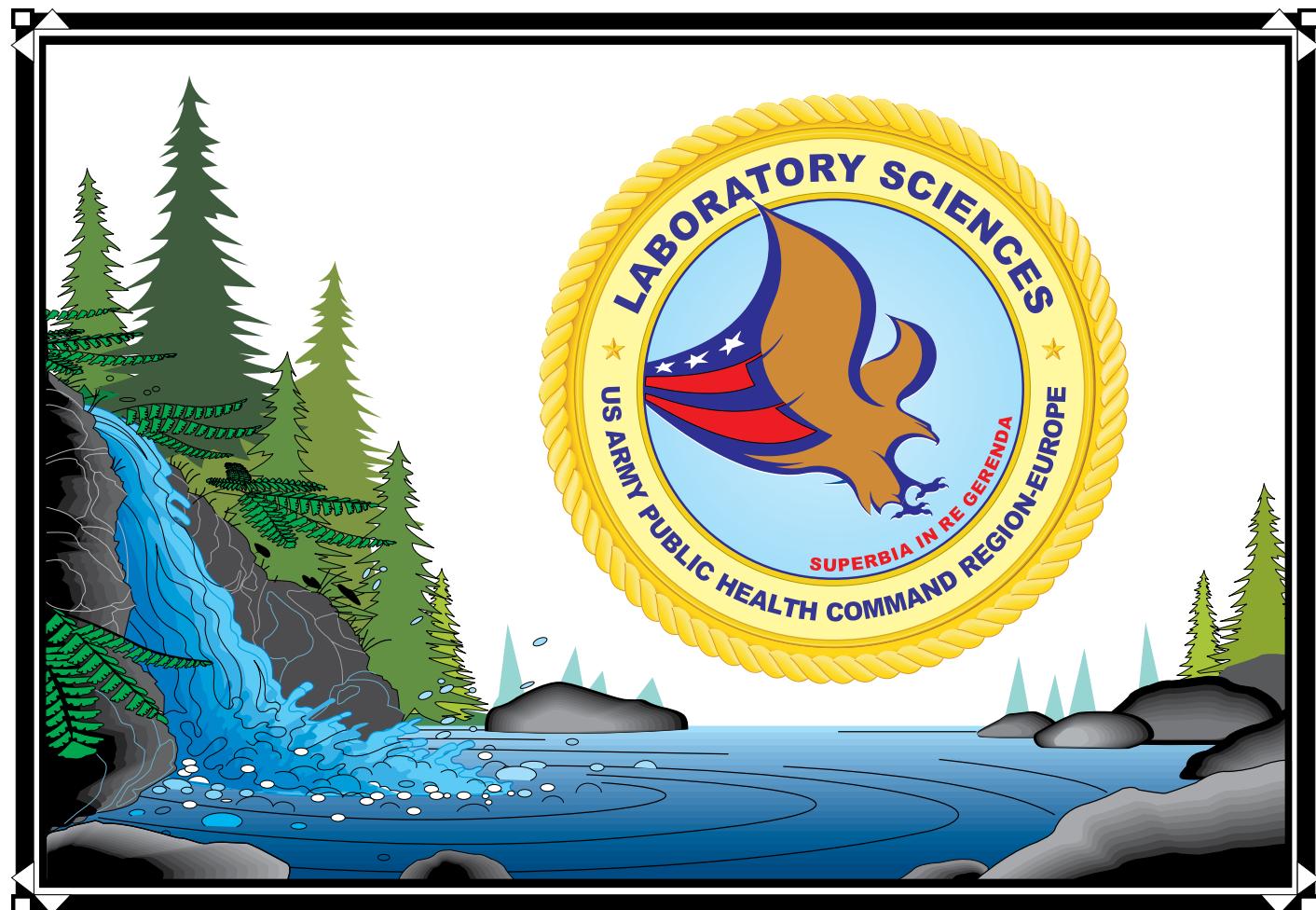
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solicit input from our vendors and contract labs via surveys to share environmental management ideas and practices. LS reports the progress of our environmental program and our significant environmental aspects to the public via our public internet website at: www.chppmeur.healthcare.hqusareur.army.mil

USAPHC(P) PHRC-Europe LS Environmental Management System Initiatives



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T1.30 LABORATORY SCIENCES ACCREDITATION & REGISTRATIONS

ISO / IEC 17025:2005 Accredited Testing Laboratory



ACCREDITED ENVIRONMENTAL TESTING LABORATORY (ETL)

Registrar: [Deutsche Akkreditierungsstelle GmbH \(DAkkS\)](#)

DAR Registration Number: DAP-PL-3000.00 & Scope of Accreditation

Registration Period: 04 July 2006 to 31 January 2012

ACCREDITED BIOLOGICAL TESTING LABORATORY (BTL)

Registrar: [American Association for Laboratory Accreditation \(A2LA\)](#)

A2LA Certificate Number: 2138.01

Registration Period: 01 October 2010 to 01 November 2012

ISO 9001:2008 Registered QMS

QUALITY MANAGEMENT SYSTEM (QMS)

Registrar: [National Quality Assurance • USA](#)

Certificate Number: 12741 (reissued 20 July 2009)

Registration Period: 28 July 2008 to 28 July 2011

ISO 14001:2004 Registered EMS

ENVIRONMENTAL MANAGEMENT SYSTEM (EMS)

Registrar: [National Quality Assurance • USA](#)

Certificate Number: EN12741

Registration Period: 28 July 2008 to 28 July 2011



ISO / IEC 17025:2005 Accredited NLLAP

ENVIRONMENTAL LEAD (Pb) LABORATORY ACCREDITATION PROGRAM (ELLAP)

Registrar: [American Industrial Hygiene Association](#)

Laboratory Number: 102192 & Scope of Accreditation

Registration Period: 01 October 2010 to 30 September 2012



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