



PACE ANALYTICAL

DETECTION & REPORTING LIMITS
ANALYTICAL, DIGESTION & EXTRACTION
METHODS

Suburban Laboratories, Inc.
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Detection Limits and Reporting Limits
Analytical Method: SM-9221E

Method	Analyte	AS Number	RL	Lower	Upper	RPD	Lower	Upper	RPD	RPD
Method: SM-9221E-Rev 18Ed, 1992	Fecal Coliform	NA	2.00	NA	NA	NA	NA	NA	NA	NA

- 1) Laboratory MDLs and Control Limits are subject to change.
- 2) LCS/LCSD, MS/MSD Not applicable per method.

Pace Analytical Services, LLC
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Detection Limits and Reporting Limits
 Analytical Method: SW846 9012B
 Extraction Method: SW846 9012B

Method	Analyte	CAS Number	True MDL (mg/kg) ^(1,2,3)	PQL (mg/kg) ^(1,2,3)	LCS/LCSD ⁽³⁾			MS/MSD ⁽³⁾			DUP
					Lower	Upper	RPD	Lower	Upper	RPD	RPD
SW846 9012B	CN	57-12-5	0.12	0.40	80	120	20	80	120	20	20

- 1) Actual sample reporting limits for soils are on a dry weight basis and will be higher than the values listed due to moisture content and the volume of soil sample.
- 2) Soil samples may be diluted due to the presence of high levels of target and non-target analytes, or other matrix interferences.
- 3) Laboratory MDLs and Control Limits are subject to change.

List	Analyte	CAS Number	True MDL (ug/kg) ^(1,2,3)	PQL (ug/kg) ^(1,2,3)	LCS/LCSD ⁽³⁾			MS/MSD ⁽³⁾		
					Lower	Upper	RPD	Lower	Upper	RPD
CS	PCB, Total		25.00	50.0	64	115	20	49	115	20
ALL	PCB-1016 (Aroclor 1016)	12674-11-2	25.00	50.0	64	115	20	49	115	20
ALL	PCB-1221 (Aroclor 1221)	11104-28-2	25.00	50.0	64	115	20	49	115	20
ALL	PCB-1232 (Aroclor 1232)	11141-16-5	25.00	50.0	64	115	20	49	115	20
ALL	PCB-1242 (Aroclor 1242)	53469-21-9	25.00	50.0	64	115	20	49	115	20
ALL	PCB-1248 (Aroclor 1248)	12672-29-6	25.00	50.0	64	115	20	49	115	20
ALL	PCB-1254 (Aroclor 1254)	11097-69-1	25.00	50.0	64	115	20	49	115	20
ALL	PCB-1260 (Aroclor 1260)	11096-82-5	25.00	50.0	64	115	20	49	115	20
SUR	Decachlorobiphenyl (S)	2051-24-3	NA	NA	47	97				
SUR	Tetrachloro-m-xylene (S)	877-09-8	NA	NA	57	115				

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Analyte	CAS Number	MDL (mg/kg) ^(1,2,3)	PQL (mgkg) ^(1,2,3)	LCS/LCSD ⁴			MS/MSD ⁴		
				Lower	Upper	RPD	Lower	Upper	RPD
Mercury	7439-97-6	0.010	0.035	85	115	20	85	115	20

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- 3) Laboratory MDL and PQL are subject to change.
- 4) Method Derived Limits

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Detection Limits and Reporting Limits
 Analytical Method: EPA 6010C
 Extraction Method: EPA 3050

#	Analyte	CAS Number	MDL (mg/kg) ^(1,2,3)	PQL (mg/kg) ^(1,2,3)	LCS/LCSD ⁽³⁾			MS/MSD ⁽³⁾		
					Lower	Upper	RPD	Lower	Upper	RPD
3	Arsenic	7440-38-2	1.05	5.00	80	120	20	75	125	20
7	Cadmium	7440-43-9	0.13	0.50	80	120	20	75	125	20
11	Copper	7440-50-8	0.44	1.48	80	120	20	75	125	20
13	Lead	7439-92-1	0.60	2.00	80	120	20	75	125	20
16	Molybdenum	7439-98-7	0.14	1.00	80	120	20	75	125	20
17	Nickel	7440-02-0	0.23	1.00	80	120	20	75	125	20
19	Selenium	7782-49-2	1.31	4.37	80	120	20	75	125	20
27	Zinc	7440-66-6	1.02	4.00	80	120	20	75	125	20

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