

Data Review Results

Lab ID: ENVSYS
File Name: Y19G8

Case No.: 32648
SDG No.: Y19G8

Method: OLC03.2
Criteria: OLC03.2

Flag :NFG
Defects: REGION9LC

Qualification: Calibrations**Protocol: VOA**

DC-7 The following volatile samples are associated with a continuing calibration whose corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are not flagged.

1,1,2-Trichloro-1,2,2-trifluoroethane

VBLKFR, VBLKFFV, VBLKFW, VBLKFX, VHBLKF1, Y19G8, Y19G8DL, Y19G9, Y19G9DL, Y19H0, Y19H1, Y19H1DL, Y19H2, Y19H2DL, Y19H3, Y19H3DL, Y19H4, Y19H4DL, Y19H5, Y19H5DL, Y19H6, Y19H6DL, Y19H7, Y19H7DL, Y19H8, Y19H8DL, Y19H9, Y19H9DL, Y19J0, Y19J1, Y19J1DL, Y19J2, Y19J2DL, Y19J3, Y19J4, Y19J5, Y19J5DL, Y19J6, Y19J7

Methylene Chloride

VBLKFR, VBLKFFV, VBLKFW, VBLKFX, VHBLKF1, Y19G8, Y19G8DL, Y19G9, Y19G9DL, Y19H0, Y19H1, Y19H1DL, Y19H2, Y19H2DL, Y19H3, Y19H3DL, Y19H4, Y19H4DL, Y19H5, Y19H5DL, Y19H6, Y19H6DL, Y19H7, Y19H7DL, Y19H8, Y19H8DL, Y19H9, Y19H9DL, Y19J0, Y19J1, Y19J1DL, Y19J2, Y19J2DL, Y19J3, Y19J4, Y19J5, Y19J5DL, Y19J6, Y19J7

DC-8 The following volatile samples are associated with either a continuing or a dual purpose calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

Dichlorodifluoromethane

VBLKFR, Y19G8, Y19G9, Y19H0, Y19H1

Methyl Acetate

VBLKFW, VBLKFX, VHBLKF1, Y19H2DL, Y19H3DL, Y19H4DL, Y19H5DL, Y19H6DL, Y19H7DL, Y19H8DL, Y19H9DL, Y19J0, Y19J1DL, Y19J2DL, Y19J3, Y19J4, Y19J5, Y19J5DL, Y19J6, Y19J7

Methylene Chloride

VBLKFW, VBLKFX, VHBLKF1, Y19H2DL, Y19H3DL, Y19H4DL, Y19H5DL, Y19H6DL, Y19H7DL, Y19H8DL, Y19H9DL, Y19J0, Y19J1DL, Y19J2DL, Y19J3, Y19J4, Y19J5, Y19J5DL, Y19J6, Y19J7

Styrene

VBLKFR, Y19G8, Y19G9, Y19H0, Y19H1

Isopropylbenzene

VBLKFX, VHBLKF1, Y19J5DL, Y19J6, Y19J7

DC-21 The following volatile samples are associated with an initial calibration in which a SMC/DMC did not meet relative response factor (RRF) criteria. Use professional judgement to qualify sample data.

Data Review Results

Lab ID: ENVSYS Case No.: 32648 Method: OLC03.2 Flag :NFG
File Name: Y19G8 SDG No.: Y19G8 Criteria: OLC03.2 Defects: REGION9LC

VBLKFR, VBLKFB, VBLKFW, VBLKFX, VHBLKF1, Y19G8, Y19G8DL, Y19G9, Y19G9DL, Y19H0, Y19H1, Y19H1DL, Y19H2, Y19H2DL, Y19H3, Y19H3DL, Y19H4, Y19H4DL, Y19H5, Y19H5DL, Y19H6, Y19H6DL, Y19H7, Y19H7DL, Y19H8, Y19H8DL, Y19H9, Y19H9DL, Y19J0, Y19J1, Y19J1DL, Y19J2, Y19J2DL, Y19J3, Y19J4, Y19J5, Y19J5DL, Y19J6, Y19J7

DC-22 The following volatile samples are associated with a continuing calibration in which a SMC/DMC exceeded percent difference (%D) criteria. Use professional judgement to qualify sample data.

VBLKFR, VBLKFB, VBLKFW, VBLKFX, VHBLKF1, Y19G8, Y19G8DL, Y19G9, Y19G9DL, Y19H0, Y19H1, Y19H1DL, Y19H2, Y19H2DL, Y19H3, Y19H3DL, Y19H4, Y19H4DL, Y19H5, Y19H5DL, Y19H6, Y19H6DL, Y19H7, Y19H7DL, Y19H8, Y19H8DL, Y19H9, Y19H9DL, Y19J0, Y19J1, Y19J1DL, Y19J2, Y19J2DL, Y19J3, Y19J4, Y19J5, Y19J5DL, Y19J6, Y19J7

DC-23 The following volatile samples are associated with a continuing calibration in which a SMC/DMC did not meet relative response factor (RRF) criteria. Use professional judgement to qualify sample data.

VBLKFR, VBLKFB, VBLKFW, VBLKFX, VHBLKF1, Y19G8, Y19G8DL, Y19G9, Y19G9DL, Y19H0, Y19H1, Y19H1DL, Y19H2, Y19H2DL, Y19H3, Y19H3DL, Y19H4, Y19H4DL, Y19H5, Y19H5DL, Y19H6, Y19H6DL, Y19H7, Y19H7DL, Y19H8, Y19H8DL, Y19H9, Y19H9DL, Y19J0, Y19J1, Y19J1DL, Y19J2, Y19J2DL, Y19J3, Y19J4, Y19J5, Y19J5DL, Y19J6, Y19J7

Qualification: Calibrations**Protocol: BNA**

DC-9 The following semivolatile samples are associated with a continuing calibration whose corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J".

Di-n-octylphthalate

SBLK13, SBLK15, Y19G8, Y19G9, Y19H0, Y19H1, Y19H2, Y19H3, Y19H4, Y19H5, Y19H6, Y19H7, Y19H8, Y19H9, Y19J0, Y19J1, Y19J2, Y19J3, Y19J4, Y19J5, Y19J6, Y19J7

DC-11 The following semivolatile samples are associated with either a continuing or a dual purpose calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

Caprolactam

SBLK13, Y19G8, Y19G9, Y19H0, Y19H1, Y19H2, Y19H3, Y19H4, Y19H5, Y19H6, Y19H7, Y19H8

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4-Nitroaniline

SBLK15, Y19H9, Y19J0, Y19J1, Y19J2, Y19J3, Y19J4, Y19J5, Y19J6, Y19J7

bis(2-Ethylhexyl)phthalate

SBLK15, Y19H9, Y19J0, Y19J1, Y19J2, Y19J3, Y19J4, Y19J5, Y19J6, Y19J7

Di-n-octylphthalate

SBLK13, SBLK15, Y19G8, Y19G9, Y19H0, Y19H1, Y19H2, Y19H3, Y19H4, Y19H5,
Y19H6, Y19H7, Y19H8, Y19H9, Y19J0, Y19J1, Y19J2, Y19J3, Y19J4, Y19J5,
Y19J6, Y19J7

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Method: OLC03.2
Criteria: OLC03.2

Flag :NFG
Defects: REGION9LC

Qualification: Holding Time

No defects found.

Protocol: VOA

Qualification: Holding Time

No defects found.

Protocol: BNA

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SDG No.: Y19G8

Method: OLC03.2
Criteria: OLC03.2

Flag :NFG
Defects: REGION9LC

Qualification: IPC/Tune

No defects found.

Protocol: VOA

Qualification: IPC/Tune

No defects found.

Protocol: BNA

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Method: OLC03.2
Criteria: OLC03.2

Flag :NFG
Defects: REGION9LC

Qualification: Internal Standards

Protocol: VOA

DC-5 The following volatile samples have internal standard area counts outside expanded criteria.
Hits are qualified "J" and non-detects are qualified "R".

Y19J1

Bromoform, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene,
1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene

Qualification: Internal Standards

Protocol: BNA

No defects found.

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Method: OLC03.2
Criteria: OLC03.2

Flag :NFG
Defects: REGION9LC

Qualification: Laboratory Blanks**Protocol: VOA**

DC-15 The following volatile samples were analyzed after a highly contaminated sample and have no preceding instrument blank. Hits and non-detects are not flagged.

Trichlorofluoromethane

Y19G9, Y19H3, Y19H4, Y19H5, Y19H6

1,1-Dichloroethene

Y19G9, Y19H3, Y19H4, Y19H5, Y19H6, Y19H7, Y19H8, Y19H9, Y19J1, Y19J2

1,1,2-Trichloro-1,2,2-trifluoroethane

Y19G9, Y19H3, Y19H4, Y19H5, Y19H6, Y19H7, Y19H8

Acetone

Y19H3, Y19H4

cis-1,2-Dichloroethene

Y19H3, Y19H4, Y19H5, Y19H6, Y19H7, Y19H8, Y19H9, Y19J1

Chloroform

Y19H3, Y19H4, Y19H5, Y19H6, Y19H7, Y19H8, Y19H9, Y19J1, Y19J2

Trichloroethene

Y19G9, Y19H3, Y19H4, Y19H5, Y19H6, Y19H7, Y19H8, Y19H9, Y19J1, Y19J2

Tetrachloroethene

Y19G9, Y19H3, Y19H4, Y19H5, Y19H6, Y19H7, Y19H8, Y19H9, Y19J1, Y19J2

DC-21 The following volatile samples have analyte concentrations reported below the CRQL. The associated method blank concentration is less than the concentration criteria. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" and non-detects are not flagged.

Methylene Chloride

Y19H3DL

DC-23 The following volatile samples have analyte concentrations reported at or above the CRQL. The associated method blank concentration is less than the concentration criteria. Hits and non-detects are not flagged.

Methylene Chloride

Y19G8DL, Y19G9DL, Y19H1DL, Y19H2DL

Qualification: Laboratory Blanks**Protocol: BNA**

No defects found.

Data Review Results

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SDG No.: Y19G8

Method: OLC03.2
Criteria: OLC03.2

Flag :NFG
Defects: REGION9LC

Qualification: Matrix Spikes

Protocol: VOA

DC-6 Volatile matrix spike and/or matrix spike duplicate data is missing for this SDG. Hits and non-detects are not flagged.

Y19G8, Y19G8DL, Y19G9, Y19G9DL, Y19H0, Y19H1, Y19H1DL, Y19H2, Y19H2DL, Y19H3, Y19H3DL, Y19H4, Y19H4DL, Y19H5, Y19H5DL, Y19H6, Y19H6DL, Y19H7, Y19H7DL, Y19H8, Y19H8DL, Y19H9, Y19H9DL, Y19J0, Y19J1, Y19J1DL, Y19J2, Y19J2DL, Y19J3, Y19J4, Y19J5, Y19J5DL, Y19J6, Y19J7

Qualification: Matrix Spikes

Protocol: BNA

DC-5 Semivolatile matrix spike and/or matrix spike duplicate data is missing for this SDG. Hits and non-detects are not flagged.

Y19G8, Y19G9, Y19H0, Y19H1, Y19H2, Y19H3, Y19H4, Y19H5, Y19H6, Y19H7, Y19H8, Y19H9, Y19J0, Y19J1, Y19J2, Y19J3, Y19J4, Y19J5, Y19J6, Y19J7

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Case No.: 32648
SDG No.: Y19G8

Method: OLC03.2
Criteria: OLC03.2

Flag :NFG
Defects: REGION9LC

Qualification: Detection Limit**Protocol: VOA**

DC-1 The following volatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

VBLKFR

Methylene Chloride

VBLKFB

Methylene Chloride

VBLKFW

Methylene Chloride

Y19G8

Toluene

Y19G8DL

Trichlorofluoromethane

Y19H2

1,1,2-Trichloroethane

Y19H3

trans-1,2-Dichloroethene, 1,1,2-Trichloroethane

Y19H3DL

Methylene Chloride, Chloroform

Y19H4

Carbon Tetrachloride, 1,1,2-Trichloroethane

Y19H5DL

Trichlorofluoromethane

Y19H6

Carbon Tetrachloride

Y19H7DL

1,1-Dichloroethene, Trichloroethene

Y19H8

1,1-Dichloroethane

Y19H8DL

1,1-Dichloroethene, Trichloroethene

Y19H9DL

1,1-Dichloroethene, cis-1,2-Dichloroethene

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Method: OLC03.2
Criteria: OLC03.2

Flag :NFG
Defects: REGION9LC

Y19J0

Chloroform

Y19J1

Chloroform

Y19J1DL

1,1-Dichloroethene

Y19J2

1,1-Dichloroethene

Y19J2DL

Chloroform, Tetrachloroethene

Y19J4

Chloroform

Y19J5

1,1-Dichloroethane

Y19J5DL

cis-1,2-Dichloroethene

Y19J6

Trichlorofluoromethane, cis-1,2-Dichloroethene, Chloroform

Qualification: Detection Limit

Protocol: BNA

DC-1 The following semivolatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

SBLK13

Acetophenone

SBLK15

Acetophenone

Y19H2

Di-n-butylphthalate

Y19H5

Caprolactam

Y19H6

Di-n-butylphthalate

Y19H7

Caprolactam

Data Review Results

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SDG No.: Y19G8

Method: OLC03.2
Criteria: OLC03.2

Flag :NFG
Defects: REGION9LC

Qualification: DMC**Protocol: VOA**

DC-3 The following volatile samples have DMC/SMC recoveries above the upper limit of the criteria window. Hits are qualified "J" and non-detects are not flagged.

Y19G8DL, Y19H1, Y19H2, Y19H3, Y19H4, Y19H5, Y19H6, Y19H7, Y19H9, Y19J1, Y19J2, Y19J6

DC-4 The following volatile samples have one or more DMC/SMC recovery values below the lower limit of the criteria window. Hits are qualified "J" and non-detects are qualified "UJ".

Y19G8, Y19G9, Y19H1, Y19H1DL, Y19H4DL, Y19H6, Y19H8DL, Y19J1DL, Y19J3, Y19J4

DC-5 The following volatile samples have DMC/SMC recoveries outside the expanded lower criteria. Hits are qualified "J" and non-detects are qualified "R".

Y19H1

Qualification: DMC**Protocol: BNA**

DC-18 The following semivolatile method blanks have deuterated monitoring compound recovery outside the criteria window. A visual inspection is required to determine the validity of associated sample data. Hits and non-detects are not flagged.

SBLK13

4-Chloroaniline, Hexachlorocyclopentadiene, 3,3-Dichlorobenzidine

DC-19 The following semivolatile samples have deuterated monitoring compound recovery above the upper limit of the criteria window. Hits are qualified "J" and non-detects are not flagged.

Y19H1

4-Chloroaniline, Hexachlorocyclopentadiene, 3,3-Dichlorobenzidine

Y19H6

Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene

Y19H7

Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene

Y19H8

4-Chloroaniline, Hexachlorocyclopentadiene, Fluoranthene, Pyrene,
3,3-Dichlorobenzidine, Benzo(a)anthracene, Chrysene

DC-20 The following semivolatile samples have deuterated monitoring compound recovery below the lower limit of the criteria window. Hits are qualified "J".

Y19H2

4-Chloroaniline, Hexachlorocyclopentadiene, 3,3-Dichlorobenzidine

Y19H4

Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene,
Indeno(1,2,3-cd)pyrene, Dibenzo (a,h) - anthracene, Benzo (g,h,i) perylene

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Criteria: OLC03.2

Flag :NFG
Defects: REGION9LC

Y19H5

Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene,
Indeno(1,2,3-cd)pyrene, Dibenzo (a,h) - anthracene, Benzo (g,h,i) perylene

Y19H9

4,6-Dinitro-2-methylphenol

Y19J0

4,6-Dinitro-2-methylphenol

Y19J1

Caprolactam, 1,1'-Biphenyl, Dimethylphthalate, Diethylphthalate,
4,6-Dinitro-2-methylphenol, Di-n-butylphthalate, Butylbenzylphthalate,
bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate, Benzo(b)fluoranthene,
Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo (a,h) -
anthracene, Benzo (g,h,i) perylene

Y19J2

Caprolactam, 1,1'-Biphenyl, Dimethylphthalate, Diethylphthalate,
4,6-Dinitro-2-methylphenol, Di-n-butylphthalate, Butylbenzylphthalate,
bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate, Benzo(b)fluoranthene,
Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo (a,h) -
anthracene, Benzo (g,h,i) perylene

Y19J3

Caprolactam, 1,1'-Biphenyl, Dimethylphthalate, Diethylphthalate,
4,6-Dinitro-2-methylphenol, Di-n-butylphthalate, Butylbenzylphthalate,
bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate, Benzo(b)fluoranthene,
Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo (a,h) -
anthracene, Benzo (g,h,i) perylene

Y19J4

Caprolactam, 1,1'-Biphenyl, Dimethylphthalate, Diethylphthalate,
4,6-Dinitro-2-methylphenol, Di-n-butylphthalate, Butylbenzylphthalate,
bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate, Benzo(b)fluoranthene,
Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo (a,h) -
anthracene, Benzo (g,h,i) perylene

Y19J5

Caprolactam, 1,1'-Biphenyl, Dimethylphthalate, Diethylphthalate,
4,6-Dinitro-2-methylphenol, Hexachlorobenzene, Atrazine, Phenanthrene,
Anthracene, Di-n-butylphthalate, Butylbenzylphthalate,
bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate, Benzo(b)fluoranthene,
Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo (a,h) -
anthracene, Benzo (g,h,i) perylene

Y19J6

Caprolactam, 1,1'-Biphenyl, Dimethylphthalate, Diethylphthalate,
4,6-Dinitro-2-methylphenol, Di-n-butylphthalate, Butylbenzylphthalate,
bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate, Benzo(b)fluoranthene,
Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo (a,h) -
anthracene, Benzo (g,h,i) perylene

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Defects: REGION9LC

Y19J7

Caprolactam, 1,1'-Biphenyl, Dimethylphthalate, Diethylphthalate,
4,6-Dinitro-2-methylphenol, Di-n-butylphthalate, Butylbenzylphthalate,
bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate, Benzo(b)fluoranthene,
Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo (a,h) -
anthracene, Benzo (g,h,i) perylene

Data Review Results

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Method: OLC03.2
Criteria: OLC03.2

Flag :NFG
Defects: REGION9LC

Qualification: CADRE Reserved

Protocol: VOA

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

VBLKFR, VBLKFV, VBLKFW, VBLKFX, VHBLKF1, Y19G8, Y19G8DL, Y19G9, Y19G9DL, Y19H0, Y19H1, Y19H1DL, Y19H2, Y19H2DL, Y19H3, Y19H3DL, Y19H4, Y19H4DL, Y19H5, Y19H5DL, Y19H6, Y19H6DL, Y19H7, Y19H7DL, Y19H8, Y19H8DL, Y19H9, Y19H9DL, Y19J0, Y19J1, Y19J1DL, Y19J2, Y19J2DL, Y19J3, Y19J4, Y19J5, Y19J5DL, Y19J6, Y19J7

Qualification: CADRE Reserved

Protocol: BNA

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

SBLK13, SBLK15, Y19G8, Y19G9, Y19H0, Y19H1, Y19H2, Y19H3, Y19H4, Y19H5, Y19H6, Y19H7, Y19H8, Y19H9, Y19J0, Y19J1, Y19J2, Y19J3, Y19J4, Y19J5, Y19J6, Y19J7

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Data Review Criteria Set Options:

Detection Limit		CADRE association rules	X
PEST pct D expanded criteria			
Use MDL		IPC/Tune	
		Expanded criteria	
Holding Time		System Performance	
Region 3 PAH option		Use initial PEM pct resolution	X
Region 3 PCB option		Use continuing PEM pct resolution	X
Expanded criteria	X		
Inorganic missing pH option		CRDL/CRQL Standards	
Calibrations		Region 2 validation rules	
RRF expanded criteria		Region 3 validation rules	
VOA/BNA PctD expanded criteria		LCS	
VOA/BNA PctRSD expanded criteria		Pct rec expanded criteria	
Use mean RRF		Duplicates	
Use VOA/BNA dual purpose standard option	X	RPD and AD expanded criteria	
Use initial INDA/INDB pct resolution	X	Furnace AA QC	
Use continuing INDA/INDB pct resolution		Pct R expanded upper criteria	
Use PEST low concentration option	X	Corr coef expanded criteria	
PEST low concentration PctRSD expanded criteria		Blanks	
Use DMC/SMC/Surrogate option	X	Raise to detection limit	X
Use INORG extreme high pct recovery		Use VOA storage/inst blanks	X
Matrix Spikes		Use low concentration rules	X
Use PEST low concentration rules	X	Field QC	
DMC/SMC/Surrogates		Combine method/field blanks	
Region 3 validation rules		CRDL contamination criteria	
Check dilution factor	X		
Use advisory surrogates			
Use low concentration rules	X		
Use BNA low concentration expanded criteria			