

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION
Organic Data Review Checklist - Standard Validation

Project: Harley-Davidson

SDG No: 180-47984-1

Analysis: See Attached

Method: See Attached

Laboratory: TestAmerica Pittsburgh

Matrix: Water

The above data package has been reviewed and the analytical quality control/quality assurance performance data have been summarized. The general criteria used to assess the analytical integrity of the data were based on an examination of the following:

- Case Narrative
- Analytical Holding Times
- Sample Preservation

Project Blanks

Project Specific QA/QC or contract requirements may take priority over validation criteria in this procedure.

Overall Remarks: Qualitative Issues.

Definition of Qualifiers:

- "U", not detected at the associated level
- "UJ", not detected and associated value estimated
- "J", associated value estimated
- "R", associated value unusable or analyte identity unfounded
- "=", compound properly identified and value positive

Reviewed by: [Signature] Alan G. Miller Jr

Date: 11/9/15

QA Reviewed by: [Signature]

Date: 1-25-16

FR Alan 12/2/15

VI. Blanks

All blanks were reported per matrix per concentration level for each 12 hour period on each GC/MS system used to analyze VOCs and SVOCs Yes No

Review associated laboratory and project blank samples. List documented contamination below:

Laboratory Method Blanks:

<u>Date:</u>	<u>Lab ID #</u>	<u>Fraction</u>	<u>Compound</u>	<u>Conc. (ppb)</u>

Associated Project Blanks (e.g., equipment rinsates, trip blanks, etc.)

<u>Date</u>	<u>Lab ID #</u>	<u>Fraction</u>	<u>Compound</u>	<u>Conc. (ppb)</u>

Remarks: no issues

Hold Time Summary

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Sample Number	Sample Name	Method	Date Collected	Analysis Date	Date Extracted	Days to Analysis
180-47984-1	HD-MW-3-0/1-0	SW846 8260C	9/21/2015	9/28/2015		7
180-47984-2	HD-MW-28-0/1-0	SW846 8260C	9/21/2015	9/30/2015		9
180-47984-3	HD-MW-32D-0/1-0	SW846 8260C	9/21/2015	9/29/2015		8
180-47984-3	HD-MW-32D-0/1-0	SW846 8260C	9/21/2015	9/30/2015		9
180-47984-4	HD-MW-32S-0/1-0	SW846 8260C	9/21/2015	9/29/2015		8
180-47984-5	HD-QC2-0/1-1	SW846 8260C	9/21/2015	9/29/2015		8
180-47984-6	HD-QC5-0/1-2	SW846 8260C	9/21/2015	9/28/2015		7

Blank Detections

SDG

Sample ID	Sample	Analyte	Result	Method	Units	Qual
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Qualifier Check

SDG 180-47984-1

Sample ID	Sample	Analyte	Result	5x	10x	Method	Units	Qual
180-47984-3	HD-MW-32D-0/1-0	1,1,1-Trichloroethane	4	20	40	SW846 8260C	ug/L	J
180-47984-3	HD-MW-32D-0/1-0	1,1-Dichloroethene	41	205	410	SW846 8260C	ug/L	J
180-47984-1	HD-MW-3-0/1-0	2-Hexanone				SW846 8260C	ug/L	^c
180-47984-6	HD-QC5-0/1-2	2-Hexanone				SW846 8260C	ug/L	^c
180-47984-3	HD-MW-32D-0/1-0	Bromomethane				SW846 8260C	ug/L	^c
180-47984-4	HD-MW-32S-0/1-0	Bromomethane				SW846 8260C	ug/L	^c
180-47984-5	HD-QC2-0/1-1	Bromomethane				SW846 8260C	ug/L	^c
180-47984-2	HD-MW-28-0/1-0	cis-1,2-Dichloroethene	0.76	3.8	7.6	SW846 8260C	ug/L	J
180-47984-1	HD-MW-3-0/1-0	cis-1,2-Dichloroethene	0.63	3.15	6.3	SW846 8260C	ug/L	J
180-47984-1	HD-MW-3-0/1-0	Methyl tert-butyl ether	0.19	0.95	1.9	SW846 8260C	ug/L	J
180-47984-2	HD-MW-28-0/1-0	Tetrachloroethene	0.41	2.05	4.1	SW846 8260C	ug/L	J
180-47984-1	HD-MW-3-0/1-0	Tetrachloroethene	0.39	1.95	3.9	SW846 8260C	ug/L	J
180-47984-3	HD-MW-32D-0/1-0	trans-1,2-Dichloroethene	2	10	20	SW846 8260C	ug/L	J
180-47984-3	HD-MW-32D-0/1-0	Trichloroethene	720	3600	7200	SW846 8260C	ug/L	E
180-47984-3	HD-MW-32D-0/1-0	Vinyl chloride	25	125	250	SW846 8260C	ug/L	J