REMEDIAL SITE ASSESSMENT DECISION – EPA Region 05

Site Name: WEBB WELLFIELD

Alias(es):

City: FRANKLIN **County or Parish:** JOHNSON **State:** IN

Refer to Report Dated: 05/13/2014 **EPA ID:** INN000510423

Report Developed By: STATE **State ID:**

Report Type: Expanded Site Inspection (00X) #001 **Decision Date:** 05/13/2014

- [ ] 1. **Further Remedial Site Assessment Under CERCLA (Superfund) is not required because:**
- [x] 2. **Further Assessment Needed Under CERCLA.**
  Low priority for further assessment
- [ ] 3. **Remedial study/cleanup needed.**

Decision/Rationale:

State has elected to take site under their cleanup authority.

Decision/Rationale (Continued):

Site Decision Made By: Nuria Muniz, NPL Coordinator

Signature: _____

Decision Date: 05/13/2014

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

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February 26, 2013

Nuria Muniz
U.S. EPA Region V
Mail Code SR-6J
77 West Jackson Boulevard
Chicago, IL 60604

Re: Webb Well Field
Franklin, Johnson County, IN
Expanded Site Inspection

Dear Mrs Muniz:

SITE SUMMARY

The Webb Well Field is a municipal well field owned by Indiana American Water Company in Franklin Indiana. In 1988, wells number 2 and 3 of the Franklin Well Field began to show levels of cis-1,2-Dichoroethylene (cis-1,2-DCE) and Trans-1,2-Dichoroethylene (trans-1,2-DCE) in raw water samples above the Maximum Contaminant level established under the Clean Water Act. The other well in the Webb Well Field, Well Number 5, exhibited no contamination.

The Webb Well Field sits in the middle of a large farm field with no apparent sources of contamination evident nearby. Wells number 2 and 3 are separated from well number 5 by Hurricane Creek which dissects the well field. An industrial area of Franklin's north east side is approximately one mile south west of the well field.

On October 30, 31, and November 1 2012, the Indiana Department of Environmental Management (IDEM) conducted an Expanded Site Inspection (SI) of the Webb Well Field under authority of the Comprehensive Response Compensation and Liability Act of 1980 (CERCLA). The purpose of this ESI report was to evaluate the potential source area identified during the Site Inspection (SI) of the Webb Well Field.

The ESI has identified an observed release from one potential source area within the one year time of travel well head protection area of the Webb Well Field.

Sincerely,

Steve McIntire, Project Manager
Site Investigation Section
Office of Land Quality

SM/bl
cc: Gloria Willis, EPA

EXPANDED SITE INSPECTION REPORT

FOR

WEBB WELL FIELD
FRANKLIN, INDIANA
JOHNSON COUNTY
U.S. EPA ID: INN000510423

PREPARED BY:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY
REMEDIATION SERVICES BRANCH
FEDERAL PROGRAMS SECTION
SITE INVESTIGATION PROGRAM

February 22, 2013

Updated January 28, 2014

Signature Page For
Webb Well Field
Franklin, Indiana

Prepared by: Mark Jaworski for Steve McIntire Date: 4-22-13

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EPA Site Assessment Manager

TABLE OF CONTENTS

SECTION	PAGE
SECTION 1.0 INTRODUCTION……...	5
SECTION 2.0 SITE BACKGROUND……	6
Section 2.1 Introduction……..	6
Section 2.2 Site Description and Location……..	6
Section 2.3 Site History……	6
Section 2.4 Previous Investigation……...	7
SECTION 3.0 FIELD OBSERVATIONS, SAMPLING PROCEDURES AND ANALYTICAL RESULTS..……..…….	9
Section 3.1 Introduction……...……...	9
Section 3.2 Site Representative Interview ……...	9
Section 3.3 Subsurface Soil Samples.....……..…….	9
Section 3.4 Ground Water Samples ……...…….	12
Section 3.5 Municipal Well Samples…….	15
Section 3.6 Surface Water Samples	15
SECTION 4.0 MIGRATION PATHWAYS..……...	15
Section 4.1 Introduction……...…….	15
Section 4.2 Ground Water…….…….	16
Section 4.3 Surface Water……..	20
Section 4.3.1 Drinking Water Threat...……..……..…..……	20
Section 4.3.2 Human Food Chain…….…..……	20
Section 4.3.3 Environmental Threat…….……..…	21
Section 4.4 Soil Exposure……..	21
Section 4.5 Air Pathway……	21
SECTION 5.0 SUMMARY……..……..	22
References……..…….	22

APPENDICES

Appendix

Appendix A. . . . . .Figures

Appendix B. . . . . .Tables 1 through 8

Appendix C. . . . . .Webb Well Field ESI Sample Photographs

Appendix D. . . . . .Analytical Data from the Webb Well Field ESI sampling Event

Appendix E. . . . . .Webb Well Field ESI Sample Field Sheets

Appendix F. . . . . .Webb Well Field ESI Drilling Logs and Field Notes

Appendix G. . . . . .Indiana American Water Historic Sample Data

Appendix H. . . . . .Webb Well Field Geology Review CONFIDENTIAL

Appendix I. . . . . ..Amphenol Historical Record Search

Appendix J……IDNR Sensitive Environment Information

SECTION 1.0 INTRODUCTION

The Site Investigation Program of the Indiana Department of Environmental Management (IDEM), under a Cooperative Agreement (CA) with the United States Environmental Protection Agency (U.S. EPA), Region V, has been funded to perform inspections at certain sites listed in the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS). This work is conducted under the authority of the Federal Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980 (Superfund), and the Superfund Amendments and Reauthorization Act (SARA) of 1986. Typically, a Preliminary Assessment (PA) is completed, and if the site is not given a "No Further Remedial Action Planned" (NFRAP) status, it will go on to a sampling inspection called a Site Inspection (SI). Those sites for which the screening Site Inspection did not conclude a NFRAP priority, an Expanded Site Inspection (ESI) is conducted.

The primary objectives of the ESI work are:

- To collect all data necessary to prepare a Hazard Ranking System (HRS) scoring package to determine whether the site is eligible for placement on the National Priorities List (NPL).
- To identify sites that may require removal actions to address immediate threats to human health and/or the environment.
- In some cases an ESI will be conducted to address critical hypotheses or assumptions that were not completely supported during the SI.

The Site Investigation Program was given approval by the U.S. EPA to conduct an ESI at the Webb Well Field site, located northeast of the town of Franklin in Johnson County, Indiana. Volatile Organic Compounds (VOCs) were detected in municipal wells 2 and 3 of the Webb Well Field. The detection of VOCs occurred during routine sampling conducted by the Indiana American Water Company (IAWC) for IDEM's Ground Water Program in compliance with the Clean Water Act, beginning in 1988 (Refer to Appendix G).

Information contained within this report will be used to evaluate this site to support a site decision regarding the need for further Superfund action, including the possibility for the Webb Well Field site to be considered for inclusion on the NPL.

SECTION 2.0 SITE BACKGROUND

Section 2.1 Introduction

This section presents information obtained from the IDEM files, discussions with IAWC representatives, and site reconnaissance visits.

Section 2.2 Site Description and Location

The Webb Well Field is located approximately 1 mile northeast of the town of Franklin, Johnson County, Indiana (Refer to Appendix A, Site Location Map). The water supply for the town of Franklin and a significant part of Johnson County is provided by the IAWC and, in the past, came partially from the Webb Well Field.

Franklin is a rural but growing town approximately 25 miles south of Indianapolis. The terrain around Franklin is topographically flat to slightly rolling. The Webb Well Field consists of three wells, numbered 2, 3, and 5, and is bordered by farm fields on the north, south, east, and west. Hurricane Creek transects the farm fields and splits well number 5 from wells 2 and 3 in the well field. Hurricane Creek flows within 30 feet of the nearest well (well number 2) on the east. The Webb Well Field lies north east of the town of Franklin but is rapidly being surrounded by outward expansion of the town.

Resident of Franklin utilizes ground water from both municipal and private wells as its only source of water for consumptive use. In 1988, cis-1,2-DCE contamination was discovered in the drinking water of municipal wells 2 and 3 in the Webb Well Field which services Franklin and some surrounding area, in Johnson County.

Section 2.3 Site History

In April 2007, the IDEM Ground Water Section notified the Site Investigation Program that cis-1,2-dichloroethylene (cis-1,2-DCE) and trans-1,2-dichloroethylene (trans-1,2-DCE) were detected in wells 2 and 3 of the Webb Well Field at levels above U.S. EPA's maximum contaminant levels (MCL), which are 70 and 100 parts per billion (ppb) respectively. The Webb Well Field contaminant problem was revealed through regular sampling of the public water supply sources. This sampling is a requirement of the U.S. EPA for community water systems. The data collected was part of a regular monitoring program conducted by IAWC to comply with the Safe Drinking Water Act. Detections of these contaminants began in 1988 and continued until the wells were removed from service in 2007. The concentrations of cis-1,2-DCE in Webb well number

2 exceeded its MCL beginning in 2000. The concentrations of cis-1,2-DCE fluctuated above and below the MCL several times and exceeded the MCL on its final testing in 2007 after which it was taken off line. The concentrations of cis-1,2-DCE in Webb well number 3 exceeded its MCL several times from 1991 to 1996. In 2006, the concentration of cis-1,2-DCE began fluctuating above and below the MCL and exceeded the MCL on its final testing in 2007 after which it was taken off line. Wells 2 and 3 were taken off line in 2007 as a result of the contamination but were being kept for use in an emergency situation if needed. These contaminants were also detected in the finished Webb Well Field water (effluent) but never above either MCL. As noted in the Webb SI report, the pumps for Webb wells 2 and 3 failed during the attempt to collect samples during the SI sampling event and were not sampled. Based on information collected, wells 2 and 3 have not been operated or maintained since 2007.

The former Hougland Tomato Packing Plant property is approximately ¼ to ½ mile west of the Webb Well Field and is approximately 19 acres in size. The property is within the one year time of travel of the well field. The former Hougland tomato packing plant (a former cannery) is identified as Reed Mfg. Services and Crossroads Recycling in the Webb Well Field PA. Many different historical operations have existed in that location and possibly many different chemicals have been used on the property. The property is now occupied by a recycling center and a steel fabricator. The eastern portion of the property where the packing plant stood is still unimproved. Historical aerial photos provided to IDEM by IWM consulting (Refer to Appendix I), an environmental consultant representing Amphenol, a nearby factory, show that this portion of the property was an auto salvage yard in the 1990s. Throughout the last 55-60 years this property has been excavated, filled, and disturbed numerous times. A 1941 aerial photo shows pits or standing water within 100 feet of an area sampled during the SI. These pits were filled by 1956. These two parcels will be referred to as the former tomato plant property and share a common reference address of 1130 E. Eastview Drive in the remainder of this report (Refer to Appendix A, Site Location Map).

Section 2.4 Previous Investigations

A Pre-CERCLIS Screening and a Preliminary Assessment (PA) were conducted on the site in 2009 and early 2010. The PA identified many potential sources for the contamination in the northeast section of Franklin but no readily apparent responsible facility.

In October of 2010, Site Investigation Program staff performed a Site Inspection (SI) in the area of the Webb Well Field. Subsurface soils, residential wells, monitoring wells, and a municipal well sample were collected to determine the presence of hazardous

substances at potential source area locations and in the possible migration pathways. In addition, information was collected to confirm target populations and environments potentially at risk from the site. Cis-1,2-DCE and trans-1,2-DCE were detected in wells 2 and 3 during past monitoring by IAWC. Soil samples collected during the SI from an open field west of the well field and adjacent to the former Hougland tomato packing plant contained PCE. Ground water from the same location contained low levels of cis-1,2-DCE. No other samples or borings contained any contaminants relatable to those found in the Webb Well Field. No readily apparent sources of the contamination were identified based on the results of the SI event.

The Webb Well Field SI gathered information necessary to evaluate the site as a candidate for the NPL. Subsurface soils, residential wells, monitoring wells, and a municipal well sample were collected to determine the presence of hazardous substances at potential source area locations and in the possible migration pathways. In addition, information was collected to confirm target populations and environments potentially at risk from the site.

During the SI an electrical malfunction occurred rendering the pumps in wells 2 and 3 unusable. Therefore, samples could not be taken to confirm the contamination in municipal wells 2 and 3, which were sealed. The wells had not been sampled since 2007 but the last sample from well number 2 contained cis-1,2-DCE at 96.2 ppb and the last sample from well number 3 contained cis-1,2-DCE at 75.1 ppb (refer to Appendix G). Well number 5, also from the Webb Well Field, which historically showed only minor detections of contaminants, was sampled during the SI field event. Analytical results from that sample revealed no contamination.

No source of contamination was determined during the SI event. Subsurface soil samples collected from the open field west of the well field and adjacent to the former Hougland tomato packing plant on the east contained PCE, and ground water from the same location contained low levels of cis-1,2-DCE. No other samples or borings contained any contaminants relatable to those found in the Webb Well Field. All residential well samples were uncontaminated.

Based on the confirmed detections of cis-1,2-DCE and trans-1,2-DCE in wells 2 and 3 during past monitoring by IAWC and the current presence of PCE and low levels of cis-1,2-DCE in the boring approximately 1,500 feet west of the wells, evidence suggests that contamination from that direction may have been drawn to wells 2 and 3 during peak or routine pumping of the wells.

SECTION 3.0 FIELD OBSERVATIONS, SAMPLING PROCEDURES, AND ANALYTICAL RESULTS

Section 3.1 Introduction

This section outlines the procedures, observations, and analytical results of the Webb Well Field ESI in accordance with the Webb Well Field Work Plan dated November 9, 2011, and the Quality Assurance Project Plan (QAPP) dated April 30, 2008. IDEM's direct push drill rig was utilized to collect subsurface soil and ground water samples. Indiana Underground Plant Protection Service (IUPPS) was contacted and called to the study area to identify any underground hazards prior to drilling.

Section 3.2 Sampling Procedures and Analytical Results

On October 30, 31, and November 1, 2012, ground water and subsurface soil samples were collected by IDEM staff. The samples were analyzed for VOCs only.

Weather conditions throughout the sampling event were generally sunny with temperatures in the 50s. The samples were shipped by Federal Express to the assigned U.S. EPA Contract Laboratories Program (CLP) laboratory (KAP Technologies, Inc., The Woodlands, Texas). The laboratory results were reviewed and evaluated for the quality criteria contained in the QAPP and the results were determined to be acceptable for use.

The contract laboratory program analytes and the analytical results for ground water and subsurface soil samples are provided in Appendix D, Analytical Data.

3.3 Subsurface Soil Samples

On October 30, 31, and November 1, 2012, IDEM collected ten (10) subsurface soil samples. Soil cores were collected from nine (9) locations using direct push drilling methods. Soil cores were logged in the field (Refer to Appendix F). The site geologist observed and described the soil lithology in order to determine the most appropriate sampling depth. Due to the lack of observable contamination characteristics and/or analytical field instrument indication, the geologist selected the soil with the most apparent porosity and permeability. Selected soil samples were obtained from above the water table. The soil was then collected with three (3) soil sampler kits according to IDEM Site Investigation QAPP protocol (Refer to Appendix C).

The subsurface soil sample locations are shown in Appendix A, Sample location and Soil Concentration Map. SI staff collected ten (10) subsurface soil samples, including one (1) duplicate sample (S-9), one (1) MS/MSD sample, and three (3) background samples (S-1, S-2, and S-10) (Refer to Appendix E). All samples were analyzed for CLP VOCs. The samples are identified as S-1 through S-10 (Refer to Appendix B, Table 1).

Standard Quality Assurance and Quality Control (QA/QC) procedures for Site Inspection field activities were followed during the investigation. Soil drilling log sheets can be found in Appendix F.

Subsurface soil samples were collected from two adjacent parcels in the area of the former Hougland tomato packing plant solely in attempt to establish potential source areas at depths shallower than the water table but deeper than 2 feet, (Refer to Appendix A, Sample Location and Soil Concentration Map). Both parcels have the same owner and were identified as the former Hougland tomato packing plant property in the SI report.

PCE was detected in soil sample S-3. TCE was detected in soil samples S-3, S-6, S-7, and S-9. The range of TCE detected in soil samples was 10 to 29 ppb. Cis-1,2-dichloroethene (cis-1,2-DCE) was detected in soil samples S-6 and S-9. Trans-1,2-dichloroethene (trans-1,2-DCE) was detected in soil sample S-6 (Refer to Appendix A, Sample location and Soil Concentration Map and Appendix B, Table 2).

Two additional properties west of the potential source properties were used as subsurface soil background locations. The background sample locations are shown in Appendix A, Sample location and Soil Concentration Map and identified as S1, S2, and S10. No contaminants were detected at levels greater than the sample quantitation limit in the background subsurface soil samples.

The subsurface soil Key Findings List summarizing contaminant concentrations detected above levels three (3) times background is included in Appendix B, Table 3. The background subsurface soil Key Findings List is included in Appendix B, Table 4.

Based upon subsurface soil sample results from this ESI, the former tomato packing plant property potential source area may be a source area for the Webb Well Field.

A brief summary of subsurface soil sample results can be found below. A larger more detailed table is located in Appendix B, Table 2.

Sample Number	S-3		S-4		S-5		S-6		S-7	
Sample Location	The former tomato plant property. 1130 E. Eastview Dr.		The former tomato plant property. 1130 E. Eastview Dr.		The former tomato plant property. 1130 E. Eastview Dr.		The former tomato plant property. 1130 E. Eastview Dr.		The former tomato plant property. 1130 E. Eastview Dr.	
Location Description	Potential Source		Potential Source		Potential Source		Potential Source		Potential Source	
Sample Depth (ft.)	22-23		17		10.5-11.5		7.5-8.5		12	
Matrix	Soil		Soil		Soil		Soil		Soil	
Units	ug/l		ug/l		ug/l		ug/l		ug/l	
Date Sampled	10/31/12		10/31/12		11/1/12		11/1/12		10/31/12	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
PCE	**39**		3.5	U	4.1	U	8.8	U	4.6	U
TCE	**29**		3.5	U	0.78	J	**10**		**11**	
Cis-1,2-DCE	6.8	U	3.5	U	4.1	U	**150**		4.6	U
Trans-1,2-DCE	6.8	U	3.5	U	4.1	U	**12**		4.6	U
Bold type entries exceeded their representative CRQLs										

Sample Number	S-8		S-9		S-1		S-2		S-10	
Sample Location	The former tomato plant property. 1130 E. Eastview Dr.		The former tomato plant property. 1130 E. Eastview Dr.		1691 Amy Lane		1035 Hurricane Road		1035 Hurricane Road	
Location Description	Potential Source		Potential Source		Back Ground		Back Ground		Back Ground	
Sample Depth (ft.)	11-12		7.5-8.5		Not Recorded		12		7-8	
Matrix	Soil		Soil		Soil		Soil		Soil	
Units	ug/l		ug/l		ug/l		ug/l		ug/l	
Date Sampled	10/31/12		11/1/12		10/30/12		10/30/12		10/30/12	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
PCE	4.6	U	8.7	U	5.3	U	4.9	U	4.4	U
TCE	3	J	**15**		5.3	U	4.9	U	4.4	U
Cis-1,2-DCE	4.6	U	**110**		5.3	U	4.9	U	4.4	U
Trans-1,2-DCE	4.6	U	7.4	J	5.3	U	4.9	U	4.4	U
Bold type entries exceeded their representative CRQLs										

3.4 Ground Water Samples

On October 30, 31, and November 1, 2012, IDEM collected ten (10) ground water samples from nine (9) locations in a grab fashion. Ground water samples were collected through a temporarily emplaced polyvinyl chloride riser and screen or through a temporarily emplaced stainless steel screen beneath the water table in the first water bearing alluvial aquifer unit encountered. Ground water was brought to the surface through the use of a peristaltic pump. Ground water samples were collected in three (3) 40-milliliter vials preserved with hydrochloric acid (HCL) (Refer to Appendix C).

The ground water sample locations are shown in Appendix A, Sample location and Groundwater Concentration Map. IDEM staff collected ten (10) ground water samples from commercial properties, including one (1) duplicate sample (GW-9), one (1) MS/MSD sample, and three (3) background samples (GW-1, GW-2, and GW-10) (Refer to Appendix E). All samples were analyzed for CLP VOCs. The samples are identified as GW-1 through GW-10. (Refer to Appendix B, Table 5).

Standard Quality Assurance and Quality Control (QA/QC) procedures for Site Inspection field activities were followed during the investigation.

PCE was detected in ground water sample GW-3 at 73 ppb. TCE was detected in ground water samples GW-3, GW-5, GW-6, GW-7, GW-8, and GW-9. The range of TCE detected in ground water samples was 3 to 87 ppb. Cis-1, 2-dichlroethene was detected in ground water sample GW-3, GW-5, GW-6, and GW-9. Trans-1,2-dichlroethene was detected in ground water sample GW-93 at 0.62 ppb. (Refer to Appendix B, Tables 6).

PCE, TCE, cis-1,2-DCE and trans-1,2-dichlroethene were detected at levels greater than the CRQL level at the former tomato plant property potential source area. These contaminants were not detected in background ground water samples collected.

The ground water Key Findings List summarizing contaminant concentrations detected above levels three (3) times background is included in Appendix B, Table 7. The background ground water Key Findings List is included in Appendix B, Table 8.

A brief summary of ground water sample results can be found below. A larger more detailed table is located in Appendix B, Table 6.

Sample Number	**GW-3**		**GW-3 Diluted**		**GW-4**		**GW-5**		**GW-5 Diluted**		**GW-6**	
Sample Location	The former tomato plant property. 1130 E. Eastview Dr.		The former tomato plant property. 1130 E. Eastview Dr.		The former tomato plant property. 1130 E. Eastview Dr.		The former tomato plant property. 1130 E. Eastview Dr.		The former tomato plant property. 1130 E. Eastview Dr.		The former tomato plant property. 1130 E. Eastview Dr.	
Location Description	Potential Source		Potential Source		Potential Source		Potential Source		Potential Source		Potential Source	
Sample Depth (ft.)	23 - 25		23 - 25		12.5		12 - 13		12 - 13		9.5 - 10	
Matrix	Water		Water		Water		Water		Water		Water	
Units	ug/l		ug/l		ug/l		ug/l		ug/l		ug/l	
Date Sampled	10/31/2012		10/31/2012		10/31/2012		11/1/2012		11/1/2012		11/1/2012	
Dilution Factor	4		5		1		1		10		1	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
PCE	**73**		**55**		0.50	U	**0.4**	J	5.0	U	0.50	U
TCE	**92**	J	**87**		0.50	U	**51**	J	**35**		**2.4**	
cis-1,2-DCE	**2.8**		**2.3**	J	0.50	U	**1.7**	U	5.0	U	**1.2**	
Trans,1-2-DCE	2.0	U	2.5	U	0.50	U	0.23	J	5.0	U	0.50	U
Bold type entries exceeded their representative CRQLs												

Sample Number	**GW-7**		**GW-7 Diluted**		**GW-8**		**GW-8 Diluted**		**GW-9**		**GW-1**	
Sample Location	The former tomato plant property. 1130 E. Eastview Dr.		The former tomato plant property. 1130 E. Eastview Dr.		The former tomato plant property. 1130 E. Eastview Dr.		The former tomato plant property. 1130 E. Eastview Dr.		The former tomato plant property. 1130 E. Eastview Dr.		1691 Amy Lane	
Location Description	Potential Source		Potential Source		Potential Source Area		Potential Source Area		Potential Source Area		Back Ground	
Sample Depth (ft.)	12.5		12.5		12.5		12.5		9.5 - 10		Not Available	
Matrix	Water		Water		Water		Water		Water		Water	
Units	ug/l		ug/l		ug/l		ug/l		ug/l		ug/l	
Date Sampled	10/31/2012		10/31/2012		10/31/2012		10/31/2012		10/31/2012		11/1/2012	
Dilution Factor	2		10		4		10		1		1	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
PCE	1.0	U	5.0		2.0	U	5.0	U	0.50	U	0.50	U
TCE	**60**	J	**70**		**82**	J	**75**		**3**	U	0.50	U
cis-1,2-DCE	1.0	U	5.0	U	2.0	U	5.0	U	**5.4**		0.50	U
Trans,1-2-DCE	1.0	U	5.0	U	2.0	U	5.0	U	**0.62**		0.50	U
Bold type entries exceeded their representative CRQLs												

Sample Number	**GW-2**		**GW-10**		**GW-20**		**GW-21**		**GW-22**		**GW-23**	
Sample Location	1035 Hurricane Road		1035 Hurricane Road									
Location Description	Back Ground		Back Ground		Trip Blank		Trip Blank		Equipment Blank		Trip Blank	
Sample Depth (ft.)	13.5		13.5		12.5		12.5		12.5		9.5 - 10	
Matrix	Water		Water		Water		Water		Water		Water	
Units	ug/l		ug/l		ug/l		ug/l		ug/l		ug/l	
Date Sampled	11/1/2012		11/1/2012		10/31/2012		10/31/2012		10/31/2012		10/31/2012	
Dilution Factor	10		10		10		4		10		1	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
PCE	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
TCE	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-DCE	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trans,1-2-DCE	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bold type entries exceeded their representative CRQLs												

3.5 Municipal Well Water Samples

None of the Webb Well Field municipal wells were sampled for this ESI. In April 2007, the Site Investigation Program was notified that cis-1,2-DCE and trans-1,2-DCE had been detected in wells 2 and 3 of the Webb Well Field at levels above the U.S. EPA's MCLs which are 70 and 100 parts per billion (ppb) respectively. All wells in the Webb Well Field were taken off line in 2007 as a result of the contamination but were being kept available for use in an emergency situation if needed.

Historic sample results from the Webb Well Field wells collected by IAWC show that cis-1,2-DCE and trans-1,2-DCE first appeared in wells #2 and #3 in 1988 and 1989. The first MCL exceedance of cis-1,2-DCE occurred in July 2000 in well #2. Well #2 continued to exceed the MCL for cis-1,2-DCE on numerous occasions until it was removed from service in August 2007. Well #3 first exceeded the MCL for cis-1,2-DCE in July 1991 and routinely exceeded the MCL until it was also removed from service in August 2007. Both wells #2 and #3 showed detections of trans-1,2-DCE but did not exceed its MCL at any time. Complete historic sample results for cis-1,2-DCE and trans-1,2-DCE from well #2 and #3 collected by the IAWC are contained in Appendix G. Only

Webb Well number 5 was sampled during the SI and no contamination was detected at that time.

According to IDEM's Drinking Water Branch website, the Webb Wellfield formerly pumped into the Indiana American Water Company distribution system which had 4 well fields. The distribution system has 28,966 service connections and supplies drinking water to a population of 78,208. Prior to the shutdown of the Webb Well Field, water was drawn from 22 ground water wells and the infrastructure had the ability to blend the water throughout the system. Assuming an equal distribution in the system, it is estimated that each well served approximately 3,555 residents while the Webb Well Field was active. After the Webb Well Field was removed from service, the drinking water is supplied by the remaining 19 ground water wells.

3.6 Surface Water Samples

No surface water samples were collected as part of this ESI. No surface water samples were collected during the SI sampling event. The threat to the public from contamination to drinking water via the surface water route is very unlikely. The surface water and sediments associated with the human food chain do not appear to be at risk from this project's contaminant of concern. Generally, low levels of volatiles in moving surface water dissipate fairly rapidly via the mixing of the stream. There is no evidence that conditions at the Webb Well Field would have a significant effect on sensitive environments due to the contamination existing below surface.

SECTION 4.0 MIGRATION PATHWAYS

Section 4.1 Introduction

This section presents a discussion of pathways for contaminants migrating from the potential sources near the Webb Well Field contamination. Potential contaminant migration via Ground Water, Surface Water (including Drinking Water Threat, Human Food Chain Threat, and Environmental Threat), Soil Exposure and Air are discussed.

Section 4.2 Ground Water Pathway

The Ground Water Pathway is the focus of this ESI. The Webb Well Field contamination stems from an uncontrolled release to ground water that has contaminated the municipal water supply for the town of Franklin. The targets associated with this investigation include several municipal well fields in the surrounding area and private

residential wells located near the Webb Well Field. Residences near the Webb Well Field but outside the service boundaries for Indiana American Water Company also use the same aquifer for their private drinking water supply.

The Webb Well Field is the primary target of the groundwater contamination. The two Webb Well Field municipal wells (2 and 3), which served an estimated population greater than five thousand (5,000) people, were taken off line due to contamination. All three production wells in the Webb Well Field are currently listed as inactive.

In April 2007, the IDEM Ground Water Section notified the Site Investigation Program that cis-1,2-dichloroethylene (cis-1,2-DCE) and trans-1,2-dichloroethylene (trans-1,2-DCE) were detected in wells 2 and 3 of the Webb Well Field at levels above U.S. EPA's maximum contaminant levels (MCL), which are 70 and 100 parts per billion (ppb) respectively. The Webb Well Field contaminant problem was revealed through regular sampling of the public water supply sources. This sampling is a requirement of the U.S. EPA for community water systems. The data collected was part of a regular monitoring program conducted by IAWC to comply with the Safe Drinking Water Act. Detections of these contaminants began in 1988 and continued until the wells were removed from service in 2007. The concentrations of cis-1,2-DCE in Webb well number 2 exceeded its MCL beginning in 2000. The concentrations of cis-1,2-DCE fluctuated above and below the MCL several times and exceeded the MCL on its final testing in 2007 after which it was taken off line. The concentrations of cis-1,2-DCE in Webb well number 3 exceeded its MCL several times from 1991 to 1996. In 2006 the concentrations cis-1,2-DCE began fluctuating above and below the MCL and exceeded the MCL on its final testing in 2007 after which it was taken off line. Wells 2 and 3 were taken off line in 2007 as a result of the contamination but were being kept for use in an emergency situation if needed. These contaminants were also detected in the finished Webb Well Field water (effluent) but never above either MCL. As noted in the Webb SI report, the pumps for Webb wells 2 and 3 failed during the attempt to collect samples during the SI sampling event and therefore the wells were not sampled. Wells 2 and 3 were not repaired and were not sampled during the ESI event. Based on information collected, wells 2 and 3 have not been operated or maintained since 2007.

Three other well fields (Sugar Creek Well Field, Orme/Marlin/White River Well Field, and London Road Well Field) are also owned and operated by IAWC. The Sugar Creek Well Field consists of six (6) production wells and is located approximately three and one-quarter (3.25) miles east of the Webb Well Field. The Orme/Marlin/White River Well Field consists of nine (9) wells and four (4) pumping centers and is located approximately twelve (12) miles northwest of the Webb Well Field. The London Road Well Field consists of four (4) wells located approximately seven (7) miles northeast of

the Webb Well Field. The London Road Well Field was recently developed to supplement the existing well fields in an effort to reduce reliance on the Webb Well Field and to meet increasing demand in Johnson and Shelby County. The IAWC has the capacity to blend the water from the three (3) well fields in an effort to minimize contaminants. The Towns of Franklin and Greenwood are now serviced by the blending of Sugar Creek Well Field, Orme/Marlin/White River Well Field, and London Road Well Field. Contaminants of concern have not been detected in these well fields, and they are not part of this investigation.

During the SI event, residents living near the Webb Well Field who use their own private water well were sampled. Ten (10) residential wells were sampled which serve approximately 26 residents based on the average household size of 2.63 persons in Johnson County. The depths of some of these wells were confirmed and were similar to the municipal wells. The wells with unconfirmed depths are assumed to be of similar depth based on the local geology. These wells are also considered potential targets of the contamination plume since they draw water from aquifers of similar depths. All residential wells sampled were uncontaminated.

The Webb Well Field is located in Johnson County in south-central Indiana within the New Castle Till Plains and Drainageways physiographic region (Gray, 2001). Topographically, the till plain is nearly flat, but undulates due to the presence of low interspaced hills eroded by post-glacial streams. From hill tops to river bottoms, ground surface elevations range from approximately 780 to 720 ft. above mean sea level (msl). Modern surface soils that developed on the unlithified (unconsolidated) post-glacial landscape provide useful information for interpreting and understanding the local geology. Soil types that occur in repeating patterns and close geographic proximity are often mapped as units called soil associations. Four (4) main soil associations occur in the vicinity of the Webb Well Field. The Genesee - Eel and Genesee Shoals associations are soils developed on level flood plains and river channels that are well to somewhat poorly drain. Soils consist of nonglacial stream sediments (alluvium) consisting of clay, silt, sand and gravel that accumulated since the end of the last glaciation. These areas are subject to frequent flooding (USDA, 1979).

Similar to the soil associations just described, Fox-Ockley-Nineveh and Ockley-Fox soils are well drained. These soils formed on level plains to moderately sloping terraces consisting of deep to very deep loamy outwash overlying stratified (pancake) layers of sand and gravel. Outwash is deposited in front of advancing and retreating glaciers to form channels allowing melt water to flow downstream. Due to increased permeability, outwash has the ability to allow moisture and contamination to spread

vertically downward to deposits beneath. Thick glacial outwash sediments are present within nearby Hurricane and Sugar Creeks.

Less well-drained, Miami-Fincastle and Crosby-Miami soil associations are present on nearly level to moderately steep uplands. These soils developed in thin to thick layers of silt overlying glacial till. In Indiana, windblown accumulations of silt are called loess, and till is the accumulation of fine to boulder sized sediments deposited by the advance and retreat of glacial ice over the land surface. As a general rule, tills lack the permeability necessary to allow moisture and contamination to quickly spread vertically downward.

Even less well drained are soils representing Rensselear-Whitaker, Westland-Sleeth and Crosby-Brookston associations. The drainage potential of these soils varies from somewhat to very poorly drained. These soils formed on nearly level and gently sloping terraces and uplands. While the Rensselear-Whitaker and Westland-Sleeth soils formed in loamy (roughly equivalent amounts of clay, silt, and sand with organic material) outwash overlying permeable stratified layers of silty, loamy, sandy or gravel sediments, the Crosby-Brookston association is formed in thin layers of silt and in underlying glacial till. Beneath alluvial sediments that occur in stream and river channels and on adjacent floodplains, fine to coarse grained sediments of the earlier Atherton Formation were deposited by glacial melt waters forming outwash plains (Gray, 1989). Formations are deposits of similar character and form that can be mapped over a large area. Typical thicknesses of 100 ft. and more have been documented for the Atherton Formation (Shaver and others, 1970). Adjoining sediments of the Atherton, modern soils described above are developed on glacially derived tills of the Trafalgar Formation. Unconsolidated deposits of this formation are present regionally and are Wisconsinan age dating 17,000 to 23,000 years old (Shaver and others, 1970). Below the till ground moraine of the Trafalgar, unconsolidated deposits of the Jessup Formation are present. Although predominantly till, the Jessup Formation includes minor lenses of silt, sand and gravel. The Jessup includes pre-Wisconsinan glacial deposits of earlier glacial events previously known as the Illinoian and Kansan Stages. Deposits of the Jessup are recognizable by the occurrence of distinctive paleosols and weathering features on their upper contacts with Wisconsinan deposits above.

Unconsolidated deposits of the Jessup Formation rest directly upon lithified bedrock of Devonian and Mississippian age (Shaver and others, 1970), or as old as 417 million years. At this location, the New Albany Shale is present and is described as greenish-gray fissile (layered) shale containing minor layers of dolomite, dolomitic quartz sandstone, and organic inclusions. Depending on location, the New Albany shale ranges in thickness from 85 to 150 ft. dipping southwest 20 to 43 ft. per mile. Generally,

shale is not a good source of water. Boring logs show that unconsolidated deposits in the area of the Webb Well Field extend from the ground surface to as much as 165 ft. in depth, or 570 ft. above msl. At one location approximately one-half (½) mile north, shale bedrock was observed at the bottom of the boring.

The Webb Well Field is located in the East Fork White River basin. Streams and rivers in this area, including Hurricane and adjacent creeks, drain into the Driftwood River which flows south - southwest in response to the regional bedrock slope (Fenelon and others, 1994). Boring logs from the immediate area demonstrate that the thick unconsolidated sand and gravel outwash deposits concentrated along Hurricane Creek serve as the primary aquifer and source of drinking water. Although ground water flow maps have been prepared by interested parties (refer to Appendix I, IWM Consulting Group LLC, 2007), maps do not show ground water flow conditions near the Webb Well Field. Static water elevations recorded on boring logs for the surrounding area range from 720 to 683 ft above msl. However, these elevations are not considered reliable and should not be used to interpret ground water flow directions and hydraulic gradients. As a result, the source(s) of ground water contamination affecting the Webb Well Field cannot be determined without additional information.

Ground water data collected during the field portion of this SI suggests that ground water flow in the area of the Webb Well Field is in a southeasterly direction (Appendix H).

The soils in the area of the Webb Well Field are fairly variable in nature however, they are generally permeable. These soils will allow for contamination to permeate to the underlying aquifer materials. The existence of contaminated soil and ground water on the former tomato plant property were established by sampling during this ESI event. The potential has been established for contamination from the property sampled to enter the aquifer and adversely impact targets such as the Webb Well Field municipal wells and private water use wells (Appendix H).

Section 4.3 Surface Water Pathway

The nearest surface water body to the Webb Well Field is Hurricane Creek which runs through the Webb Well Field dissecting it between wells 2 and 3 and well number 5. Hurricane Creek runs within 30 feet of wells 2 and 3 to the east. Hurricane Creek flows south/southwest flowing into Young’s Creek at Providence Park approximately 1.75 miles downstream from the Webb Well Field, then into the Big Blue River approximately 8.8 miles downstream from the well field. No surface water intakes exist within the 15-mile surface water pathway downstream from the site.

Overland flow from the former tomato plant property would be south to south-east into an unnamed ditch just north of Eastview Drive. Water in this ditch flows in a south-east direction for approximately two tenths of a mile before entering Hurricane Creek. This location is approximately 1/2 mile downstream of the nearest Webb Well Field well.

The surface water pathway discussion addresses three (3) potential threats; drinking water threat, human food chain threat, and the environmental threat.

Section 4.3.1 Drinking Water Threat

Residents of Franklin and the area surrounding Webb Well Field use ground water from municipal and private residential wells to service their consumptive needs. There are no surface water intakes within the 15-mile downstream surface water pathway from the Site (Appendix A). The threat to the public from contamination to drinking water via the surface water route is very unlikely.

Section 4.3.2 Human Food Chain Threat

The human food chain threat category specifically targets fisheries potentially affected by the migration of contaminants from the site. The primary fisheries within the 15-mile surface water pathway of the site are Hurricane Creek, Young's Creek, and Sugar Creek. The principle uses of these bodies of water are fishing and recreation.

There is no specific fish consumption advisory for Hurricane Creek or Young's Creek in Indiana. Sugar Creek, in Johnson County approximately nine (9) miles downstream from the probable point of entry (PPE), has a level 1 or 2 Fish Consumption advisory for mercury or PCBs in carp, Northern Hogsucker, Black Redhorse, Bluegill, Longear Sunfish, and Rock Bass of specific lengths (Appendix J).

Additionally, the entire State of Indiana has a fish advisory for all carp in Indiana streams of any length due to PCBs (Appendix J). The fish advisory for carp in the State of Indiana is due to either PCBs or mercury in the fish tissue. Neither of these contaminants is a contaminant of concern for the Webb Well Field contamination. The surface water and sediments do not appear to be at risk from contaminants of concern at the former tomato packing facility.

Section 4.3.3 Environmental Threat

The Indiana Department of Natural Resources (IDNR) was contacted to determine if there were any significant natural features or endangered, threatened, and rare species located within one (1) mile of the subject site. According to IDNR, there are several sensitive environments located within the target distance limits of the Webb Well Field (Refer to Appendix J). Due to the low toxicity of the contaminants of concern at the former tomato packing facility, and their respective low potential to bioaccumulate, impacts to the sensitive environments located within the target distance limits of the site are not likely.

Section 4.4 Soil Exposure

Subsurface soil samples were collected during the Webb Well Field ESI. The samples were collected in an attempt to identify potential sources in the study area for attribution of contaminants to the ground water. No surface soil samples, defined as soil samples obtained from zero to two feet in depth, were collected during this investigation or in past investigations of this site.

Section 4.5 Air Pathway

No air samples were collected as part of this SI. A release of CLP analytes to the air was not documented during the investigation of the Webb Well Field site. Field screening instrumentation recorded no elevated contaminant readings while collecting the media samples. Presently, there is no historical documented release of contaminants to the air at the Site or nearby. There is a potential for vapor intrusion issues to exist nearer to a source of the contamination that was detected in the Webb Well Field, if that source can be found. Presently there is no known threat to the air pathway from the Webb Well Field.

SECTION 5.0 SUMMARY

The town of Franklin utilizes ground water from both municipal and private wells as its only source of water for consumptive use. In 1988, cis-1,2-DCE contamination was discovered in the drinking water of municipal wells 2 and 3 in the Webb Well Field which services the town of Franklin and some surrounding area, in Johnson County. The Webb Wellfield is composed of 3 ground water wells (wells #2, #3, and #5) and is part of the larger Indiana American Water Company distribution system which serves Franklin and surrounding Johnson County. The well field has been removed from service and remains inactive since 2007.

The Webb Well Field ESI gathered information necessary to evaluate the site as a candidate for the NPL. Subsurface soils and ground water samples collected by direct push methods were collected to determine the presence of hazardous substances at potential source area locations and in the possible migration pathways. In addition, information was collected to confirm target populations and environments potentially at risk from the site.

It had been determined during the previous SI sampling event that residential wells were not likely a target for this investigation because no contaminants of concern were discovered in groundwater samples taken from nearby residential wells. Also, other well fields operated by IAWC in Johnson County had no history of contamination in their wells. Consequently, the focus of the ESI investigation was to determine a possible source for the contamination found in the Webb Well Field municipal wells.

Subsurface soil samples collected from the former Hougland tomato packing plant contained PCE, TCE, cis-1,2-DCE and trans-1,2-DCE. Grab ground water samples obtained from the former Hougland tomato packing plant also contained these contaminants. Cis-1,2-DCE began being detected in the Webb Well Field municipal wells 2 and 3 in 1988, with trans-1,2-DCE detections in 1989, and both continued to be detected until those wells were closed in 2007. No background samples contained any contaminants potentially attributable to those found in the Webb Well Field. Results from this ESI investigation indicate that the former Hougland tomato packing plant property may be a source of the contamination that was detected in the Webb Well Field municipal wells.

References

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http://www.cees.iupui.edu/Research/Water_Resources/CIWRP/Publications/Reports/Watersheds-2003/Fall_Creek/index.htm

Hydrogeologic Atlas of Aquifers in Indiana
US Geological Survey
Water-Resources Investigation Report 92-4142

The Hydrogeologic Framework of Marion County, Indiana: A Digital Atlas Illustrating Hydrogeologic Terrain and Sequence, edited by Steven E. Brown and Andrew J. Laudick. Indiana University Indiana Geological Survey, Open-File Study 00-14. Copyright 2000

U.S. Department of Agriculture Soil Conservation Service (USDA), 1979, Soil Survey of Johnson County.

IDEM Drinking Water Branch website.
Indiana American Water Company Water System Details
https://myweb.in.gov/IDEM/DWW/JSP/WaterSystemDetail.jsp?tinwsys_is_number=408209&tinwsys_st_code=IN&wsnumber=IN5241005

Appendix A

WEBB WELL FIELD

FIGURES

Indiana-American Water Company Webb Wellfield,

Site Location Map (Aerial), Franklin, Johnson County, IN

This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.
Mapped By: Lorraine Wright,
Office of Land Quality
Date: December 21, 2006

Johnson Co.

Franklin

0 2,000 Feet
0 600 Meters

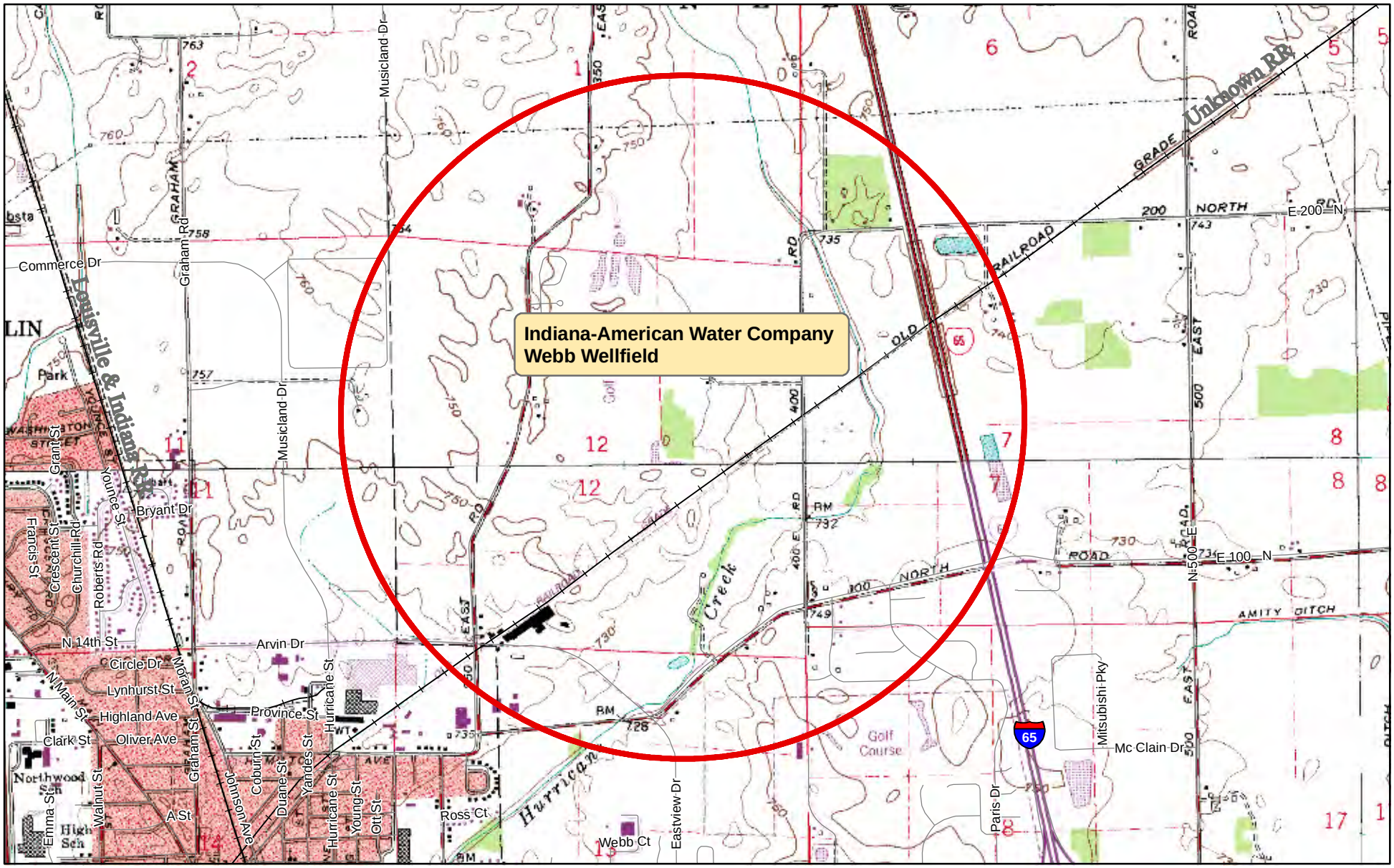
N W E S

Indiana-American Water Company Webb Wellfield

Sources:
Non Orthophotography
Data - Obtained from the State of Indiana Geographic Information Office Library
Orthophotography- Obtained from Indiana Map Framework Data, (www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83

Indiana-American Water Company Webb Wellfield,

Site Location Map (Topographic), Franklin, Johnson County, IN

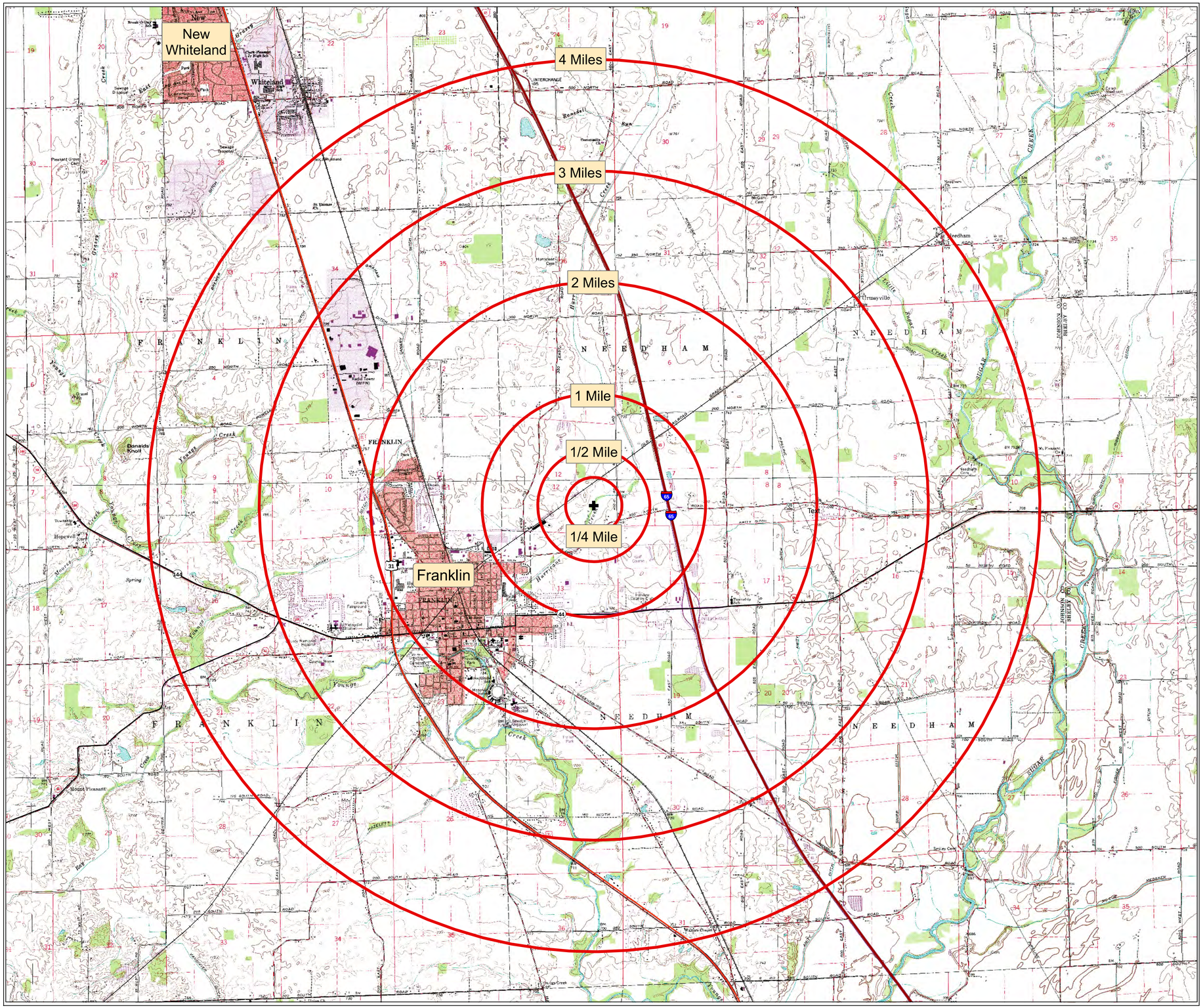


This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.
Mapped By: Lorraine Wright,
Office of Land Quality
Date: December 21, 2006

0 — 2,000 Feet
0 — 600 Meters

Indiana-American Water Company Webb Wellfield

Sources:
Non Orthophotography
Data - Obtained from the State of Indiana Geographic Information Office Library
Topographic Map- Obtained from Indiana Map Framework Data, (www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83



4 Mile Radius Map, Indiana-American Water Company, Webb Wellfield,

Franklin, Johnson County, IN

Buffer Distance	Adjusted Population
0.25 Mile	154
0.5 Mile	356
1 Mile	1132
2 Mile	6513
3 Mile	5982
4 Mile	5424
Total Population	19561

0 1 Miles
0 1 Kilometers

Site Location
Buffer Distance From Site

Johnson Co.

Mapped by: Lorraine Wright, Indiana Department of Environmental Management (IDEM), Office of Land Quality, Science Services Branch, Engineering and GIS Services
Mapped on: January 27, 2010

Sources:
IDEM 4 Mile Mapper Application
USGS Digital Raster Graphics 1:24,000 topographic map
Census block group 2000 total population
Census 2000 County Boundaries
Census 2000 City Boundaries

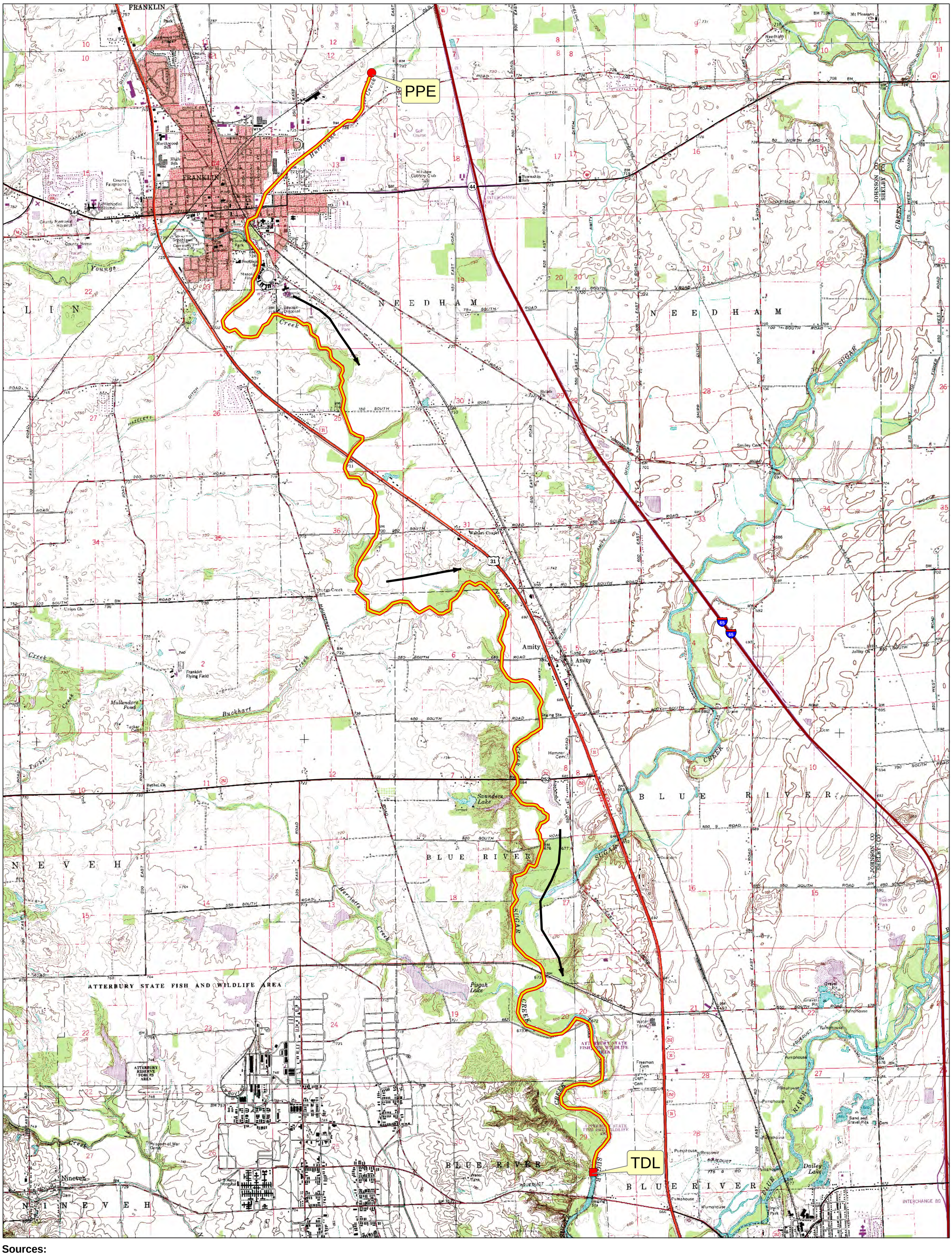
Disclaimer: This map does not represent a legal document. It is intended to serve as an aid in graphic representation only. It is not warranted for accuracy or suitability for any purpose.
There are known sources of error in the population estimates presented on this map including:
• The Census 2000 block group population data is out of date, and is itself an imperfect estimate of population.
• The adjusted population estimate derived from the Census 2000 block group data assumes that the population is evenly distributed in each block group polygon.

Method of Estimating Population: The adjusted population estimate is the sum of Census 2000 block group populations (TOTALPOP field) adjusted to include only the areas of the block groups contained inside the buffers. The adjusted population estimate assumes that the population is evenly distributed in each block group polygon. The specific procedure used in this analysis is as follows:
1. The study area or site is drawn on screen by the user. The study area can be 1 or more polygons.
2. The user selects the polygon(s) to include in the population estimate, and clicks a button to perform the rest of the analysis which is described in the following steps.
3. The study area polygon(s) are buffered at .0001, ¼, ½, 1, 2, 3 and 4 miles. The buffers are stored as polygons in a shapefile. In analyses with more than one study area polygon, intersecting buffers are dissolved to prevent overlapping buffers of the same buffer distance. This is necessary to prevent counting the population more than once in areas where buffers overlap.
4. A spatial union is performed on the block group layer and the buffers layer resulting in a new l ayer containing polygons reflecting the combined geography of the block groups and the buffers. The new polygons inherit the attributes of the parent polygons from the block groups and buffers layers, including the population and area of the parent block group polygon. The area of the new polygons is not calculated automatically during the union.
5. The geographic area of each new polygon is determined through a field calculation using a piece of visual basic code. See ArcGIS Help for a discussion of this process including the code.
6. Following step 5, each new polygon has an attribute record containing the geographic area of the new polygon, the geographic area of the parent block group, and the TOTALPOP field population value from the parent block group. Dividing the area of the new polygon by the area of the parent block group and multiplying that value by the population yields a population estimate for each new polygon. For example: Block Group A with an area of 10 square miles and a population of 200 people is split into 2 polygons by the 4 mile buffer ring. The area of the block group inside the 4 mile buffer is 2 square miles, or 20% of the area of the original 10 square mile block group. Assuming the population is uniformly distributed in Block Group A, the population from Block Group A that is within the 4 mile buffer ring should also be 20% of the total population for the block group. Twenty percent of 200 is 40 people. (2 ÷10 × 200 = 40)
7. The new population figures from step 6 are automatically summed and compiled into a table that is displayed on the print layout. The automatic summing process completed by the 4 Mile Mapper application produces population estimates that include the entire population from the site out to each buffer distance (e.g. 0 to 0.25, 0 to .50, 0 to 1, 0 to 2…). The map author manually recalculates these figures by taking the population for each buffer distance and subtracting the population of the next smaller buffer distance to provide a population figure for the donut area bounded by each pair of consecutive buffer distances (e.g. 0 to 0.25, 0.25 to 0.5, 0.5 to 1, 1 to 2…). The population table is labeled and revised to reflect these values, and a total population figure is added to reflect the population from the site out to the 4 mile buffer distance.

This map was created using 4 Mile Mapper v1.0.0, a customized application developed in ArcGIS v9.1 in the Office of Land Quality, Science Services Branch, Engineering and GIS Section by Mr. Raju Gopin, Indiana Governor's Public Service Intern. 4 Mile Mapper v1.0.0 was created during the Summer of 2004.

15 Mile Surface Water Pathway Map

Indiana-American Water Company, Webb Wellfield, Franklin, Johnson County, IN



Sources:

Non Orthophotography

Data - Obtained from the State of Indiana Geographic Information Office Library. The PPE and TDL were digitized using the topographic map and based on the Project Manager's description.

Topographic Map- Obtained from Indiana Map Framework Data, (www.indianamap.org)

Map Projection: UTM Zone 16 N **Map Datum:** NAD83

This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.

Mapped By: Lorraine Wright, Office of Land Quality

Date: January 26, 2010

- Probable Point of Entry (PPE)
- Target Distance Limit (TDL)
- Flow Direction
- 15 Mile Surface Water Pathway

N W E S

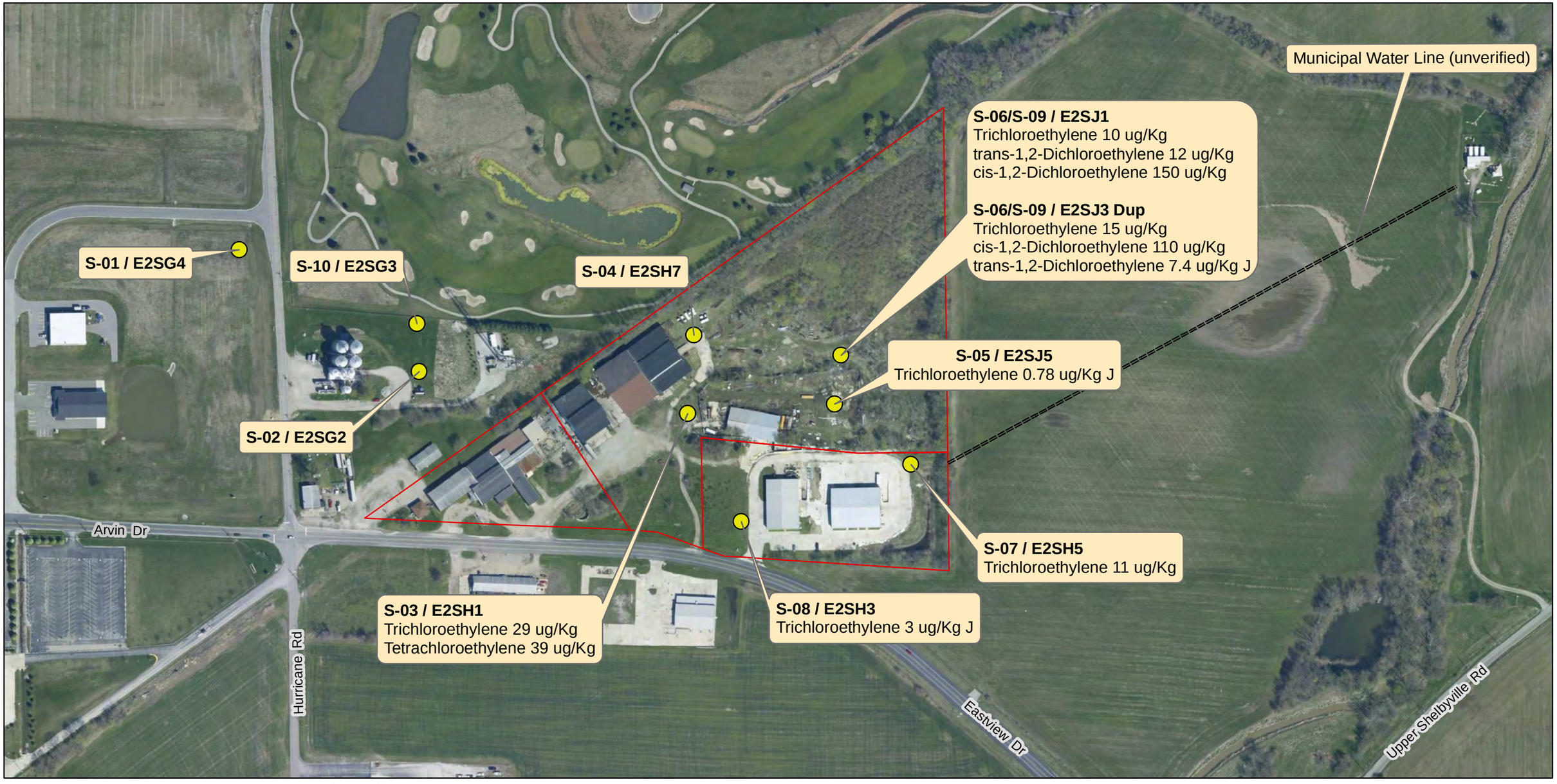
0 1 Miles

0 1 Kilometers

Johnson Co.

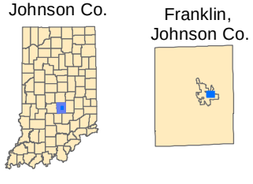
Sample Location and Soil Concentration Map - Expanded Site Inspection,

Indiana-American Water Company - Webb Wellfield, Franklin, Johnson County, IN (EPA ID No. INN000510423)



This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.

Mapped By: Lorraine Wright,
Office of Land Quality
Date: February 7, 2013



Soil Sample Location (November 2012)

==== Muncipal Water Line (unverified)

Parcel

0 80 160 Feet

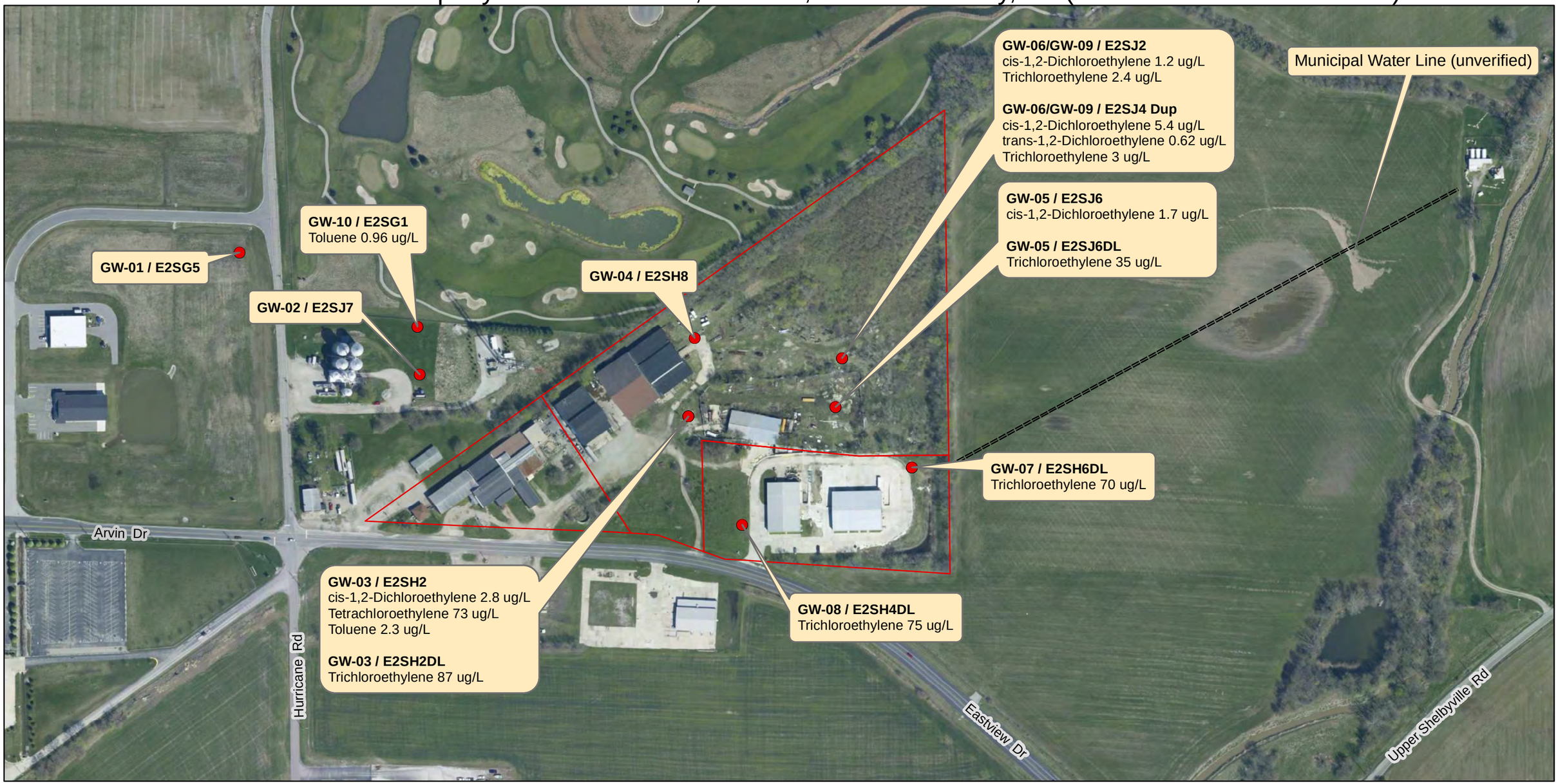
0 40 Meters

Non Orthophotography Data -
Source: State of Indiana Geographic Information Office Spatial Database Engine. The sample location coordinates were collected using GPS. The Municipal Water Line was digitized and the location is unverified. Only chemical concentrations of concern are shown on the map. The J value is estimated.

Orthophotography -
Source: Indiana Map Framework Data
2007 Orthophoto (6 inch).
(www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83

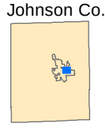
Sample Location and Groundwater Concentration Map - Expanded Site Inspection,

Indiana-American Water Company - Webb Wellfield, Franklin, Johnson County, IN (EPA ID No. INN000510423)



This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.

Mapped By: Lorraine Wright,
Office of Land Quality
Date: February 7, 2013



● Groundwater Sample Location (November 2012)

==== Muncipal Water Line (unverified)

Parcel

0 80 160 Feet

0 40 Meters

N W E S

Non Orthophotography Data -
Source: State of Indiana Geographic Information Office Spatial Database Engine. The sample location coordinates were collected using GPS. The Municipal Water Line was digitized and the location is unverified. Only chemical concentrations of concern are shown.

Orthophotography -
Source: Indiana Map Framework Data
2007 Orthophoto (6 inch).
(www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83

Appendix B

WEBB WELL FIELD

TABLES

Table 1: Subsurface Soil Sample Location and Comment Table				
WEBB WELL FIELD				
Soil Sample Number	**Sample Number**	**Location**	**Sample Depth or Interval Depth (ft)**	**Comment**
S-1	E2SG4	1691 Amy Lane	NR	Background and Field MS/MSD sample
S-2	E2SG2	K & L Grain Inc.	12	Background
S-3	E2SH1	Former Tomato Plant Proprety 1130 E. Eastview Dr.	22-23	Potential Source
S-4	E2SH7	Former Tomato Plant Proprety 1130 E. Eastview Dr.	17	Potential Source
S-5	E2SJ5	Former Tomato Plant Proprety 1130 E. Eastview Dr.	10.5-11.5	Potential Source
S-6	E2SJ1	Former Tomato Plant Proprety 1130 E. Eastview Dr.	7.5-8.5	Potential Source
S-7	E2SH5	Former Tomato Plant Proprety 1130 E. Eastview Dr.	12	Potential Source
S-8	E2SH3	Former Tomato Plant Proprety 1130 E. Eastview Dr.	11-12	Potential Source
S-9	E2SJ3	Former Tomato Plant Proprety 1130 E. Eastview Dr.	7.5-8.5	Duplicate of S-6 Potential Source
S-10	E2SG3	K & L Grain Inc.	7-8	Background

Table 2: Analytical Tables for Subsurface Soil Samples										
Webb Well Field ESI										
IDEM #	**S-3**	**S-4**	**S-5**	**S-6**	**S-7**	**S-8**	**S-9**	**S-1**	**S-2**	**S-10**
EPA #	**E2SH1**	**E2SH7**	**E2SJ5**	**E2SJ1**	**E2SH5**	**E2SH3**	**E2SJ3**	**E2SG4**	**E2SG2**	**E2SG3**
Location	The former tomato plant property. 1130 E. Eastview Dr.	The former tomato plant property. 1130 E. Eastview Dr.	The former tomato plant property. 1130 E. Eastview Dr.	The former tomato plant property. 1130 E. Eastview Dr.	The former tomato plant property. 1130 E. Eastview Dr.	The former tomato plant property. 1130 E. Eastview Dr.	The former tomato plant property. 1130 E. Eastview Dr.	1691 Amy Lane	1035 Hurricane Road	1035 Hurricane Road
Location Description	Potential Source	Potential Source	Potential Source	Potential Source	Potential Source	Potential Source	Duplicate of S-6	Background	Background	Background
Sample Depth Below Surface in feet	22-23	17	10.5-11.5	7.5-8.5	12	11-12	7.5-8.5	NR	12	7-8
PCE	**39**	3.5 U	4.1 U	8.8 U	4.6 U	4.6 U	8.7 U	5.3 U	4.9 U	4.4 U
TCE	**29**	3.5 U	0.78 J	**10**	**11**	3 J	**15**	5.3 U	4.9 U	4.4 U
cis-1,2-Dichloroethen	6.8 U	3.5 U	4.1 U	**150**	4.6 U	4.6 U	**110**	5.3 U	4.9 U	4.4 U
Trans-1,2-Dichloroethen	6.8 U	3.5 U	4.1 U	**12**	4.6 U	4.6 U	7.4 J	5.3 U	4.9 U	4.4 U
All results in microgram per kilogram (ppb)										
U	The analyte was analyzed for, but not detected above the reported sample quantitation limit.									
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.									
ME	SQL increased due to medium level analysis using methanol.									
00	**Actual numerical value, not a U, J, or UJ value.**								Page 1 of 1	

Table 3:
WEBB WELL FIELD SDG E2SG2
TABLES FOR VOCs KEY FINDINGS
SUBSURFACE SOIL SAMPLES
WEBB WELL FIELD ESI

Sample ID	Sample Type	Date	Hazardous Substance	Hazardous Substance Concentration	Sample Quantitation Limit (SQL)	
S-3 E2SH1 1130 E. Eastview Dr.	SOIL	10/31/12	PCE TCE Cis-1,2-DCE	39 ug/kg 29 ug/kg 78 ug/kg	6.8 ug/kg 6.8 ug/kg 6.8 ug/kg	
S-6 E2SJ1 1130 E. Eastview Dr.	SOIL	11/1/12	TCE Cis-1,2-DCE Trans-1,2-DCE	10 ug/kg 150 ug/kg 12 ug/kg	8.8 ug/kg 8.8 ug/kg 8.8 ug/kg	
S-7 E2SH5 1130 E. Eastview Dr.	SOIL	10/31/12	TCE	11 ug/kg	4.6 ug/kg	
S-9 E2SJ3 1130 E. Eastview Dr.	SOIL	11/1/12	TCE Cis-1,2-DCE	15 ug/kg 110 ug/kg	6.8 ug/kg 5.7 ug/kg	

Table 4
WEBB WELL FIELD SDG E2SG2
BACKGROUND TABLES FOR VOCs IN SUBSURFACE SOIL
WEBB WELL FIELD ESI

Sample ID	Sam ple Type	Date	Hazardous Substance	Hazardous Substance Concentration	Sample Quantitation Limit (SQL)	
S-1 E2SG4 1691 Amy Lane	SOIL	11/15/11	PCE TCE Cis-1,2-DCE Trans-1,2-DCE	Non-detect Non-detect Non-detect Non-detect	5.3 ug/kg 5.3 ug/kg 5.3 ug/kg 5.3 ug/kg	
S-2 E2SG2 1035 Hurricane Lane	SOIL	10/30/12	PCE TCE Cis-1,2-DCE Trans-1,2-DCE	Non-detect Non-detect Non-detect Non-detect	4.9 ug/kg 4.9 ug/kg 4.9 ug/kg 4.9 ug/kg	
S-10 E2SG3 1035 Hurricane Lane	SOIL	11/16/11	PCE TCE Cis-1,2-DCE Trans-1,2-DCE	Non-detect Non-detect Non-detect Non-detect	4.4 ug/kg 4.4 ug/kg 4.4 ug/kg 4.4 ug/kg	

Table 5: Ground Water Sample Location and Comment Table				
Webb Well Field ESI				
Ground Water Number	**Sample Number**	**Location**	**Depth (ft)**	**Comment**
GW-1	E2SG5	1691 Amy Lane	NA	Background and Field MS/MSD sample
GW-2	E2SJ7	K & L Grain Inc.	13.5	Background
GW-3	E2SH2	Former Tomato Plant 1130 E. Eastview Dr.	23-25	Potential Source
GW-4	E2SH8	Former Tomato Plant 1130 E. Eastview Dr.	12.5	Potential Source
GW-5	E2SJ6	Former Tomato Plant 1130 E. Eastview Dr.	12-13	Potential Source
GW-6	E2SJ2	Former Tomato Plant 1130 E. Eastview Dr.	9.5-10	Potential Source
GW-7	E2SH6	Former Tomato Plant 1130 E. Eastview Dr.	12.5	Potential Source
GW-8	E2SH4	Former Tomato Plant 1130 E. Eastview Dr.	12.5	Potential Source
GW-9	E2SJ4	Former Tomato Plant 1130 E. Eastview Dr.	9.5-10	Duplicate of S-6 Potential Source
GW-10	E2SG1	K & L Grain Inc.	NA	Background
GW-20	E2SH0	Trip Blank	NA	
GW-21	E2SH9	Trip Blank	NA	
GW-22	E2SK1	Equipment Blank	NA	
GW-23	E2SG6	Trip Blank	NA	

Table 6: Analytical Table of Grab Ground Water Sample Results

Webb Well Field ESI

IDEM #	GW-3	GW-3 (Diluted)	GW-4	GW-5	GW-5 (Diluted)	GW-6	GW-7	GW-7 (Diluted)	GW-8	GW-8 (Diluted)	GW-9	GW-1	GW-2	GW-10	GW-20	GW-21	GW-22	GW-23
EPA #	E2SH2	E2SH2DL	E2SH8	E2SJ6	E2SJ6DL	E2SJ2	E2SH6	E2SH6DL	E2SH4	E2SH4DL	E2SJ4	E2SG5	E2SJ7	E2SG1	E2SH0	E2SH9	E2SK1	E2SG6
Location	1130 E. Eastview Dr.	1130 E. Eastview Dr.	1130 E. Eastview Dr.	1130 E. Eastview Dr.	1130 E. Eastview Dr.	1130 E. Eastview Dr.	1130 E. Eastview Dr.	1130 E. Eastview Dr.	1130 E. Eastview Dr.	1130 E. Eastview Dr.	1130 E. Eastview Dr.	1691 Amy Lane	K & L Grain Inc.	K & L Grain Inc.	None	None	None	None
Location Description	Potential Source	Potential Source	Potential Source	Potential Source	Potential Source	Potential Source	Potential Source	Potential Source	Background	Potential Source	Duplicate of S-6	Background	Background	Background	Trip Blank	Trip Blank	Equipment Blank	Trip Blank
Dilution Factor	4	5	1	1	10	1	2	10	4	10	1	1	1	1	1		1	1
PCE	**73**	**55**	0.50 U	0.40 J	5.0 U	0.50 U	1.0 U	5.0 U	2.0 U	5.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TCE	92 J	**87**	0.50 U	51 J	**35**	**2.4**	60 J	**70**	82 J	**75**	**3.0**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	2.0 U	2.5 U	0.50 U	0.50 U	5.0 U	0.50 U	1.0 U	5.0 U	2.0 U	5.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	**2.8**	2.3 J	0.50 U	**1.7**	5.0 U	**1.2**	1.0 U	5.0 U	2.0 U	5.0 U	**5.4**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trans-1,2-Dichloroethene	2.0 U	2.5 U	0.50 U	0.23 J	5.0 U	0.50 U	1.0 U	5.0 U	2.0 U	5.0 U	**0.62**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	**2.3**	2.5 U	0.42 J	0.50 U	5.0 U	0.50 U	1.0 U	5.0 U	2.0 U	5.0 U	0.33 J	0.50 U	0.50 U	0.96	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	2.0 U	2.5 U	0.50 U	0.50 U	5.0 U	0.50 U	1.0 U	5.0 U	2.0 U	5.0 U	0.50 U	0.50 U	0.50 U	0.12 J	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	0.7 J	2.5 U	0.50 U	0.50 U	5.0 U	0.50 U	1.0 U	5.0 U	2.0 U	5.0 U	0.50 U	0.50 U	0.50 U	0.28J	0.50 U	0.50 U	0.50 U	0.50 U
Acetone	20 U	25 U	**5.2**	5.0 U	50 U	0.50 U	10 U	50 U	20 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U

All results in microgram per liter (ppb)

U	The analyte was analyzed for, but not detected above the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
D	CRQL increased in this sample due to Five Times dilution factor in the lab before analysis.
00	**Actual numerical value, not a U, J, or UJ value.**

Table 7
WEBB WELL FIELD ESI
TABLES FOR VOCs KEY FINDINGS
GROUND WATER

Sample ID	Sample Type	Date	Hazardous Substance	Hazardous Substance Concentration	Contract Required Quantitation Limit (CRQL)	
GW-3 E2SH2 1130 Eastview Dr.	WATER	10/31/12	PCE Cis-1,2-DCE	73 ug/L 2.8 ug/L	2.0 ug/L 2.0 ug/L	
GW-3DL E2SH2DL 1130 Eastview Dr.	WATER	11/15/11	PCE TCE	55 ug/L 87 ug/L	2.5 ug/L 2.5 ug/L	
GW-5 E2SJ6 1130 Eastview Dr.	WATER	11/15/11	Cis-1,2-DCE	1.7 ug/L	0.5 ug/L	
GW-5DL E2SJ6DL 1130 Eastview Dr.	WATER	11/16/11	TCE	35 ug/L	5.0 ug/L	
GW-6 E2SJ2 1130 Eastview Dr.	WATER	11/16/11	TCE Cis-1,2-DCE	2.4 ug/L 1.2 ug/L	0.5 ug/L 0.5 ug/L	
GW-7DL E2SH6DL 1130 Eastview Dr.	WATER	11/16/11	TCE	70 ug/L	5.0 ug/L	
GW-8DL E2SH4DL 1130 Eastview Dr.	WATER	11/16/11	TCE	75 ug/L	5.0 ug/L	
GW-9 E2SJ4 1130 Eastview Dr.	WATER	11/16/11	TCE Cis-1,2-DCE	3.0 ug/L 5.4 ug/L	0.5 ug/L 0.5 ug/L	

Table 8
WEBB WELL FIELD ESI
BACKGROUND TABLES FOR VOCs KEY FINDINGS
GROUND WATER

Sample ID	Sample Type	Date	Hazardous Substance	Hazardous Substance Concentration	Contract Required Quantitation Limit (CRQL)	
GW-1 E2SG5 1691 Amy Lane	WATER	10/30/12	PCE TCE Cis-1,2-DCE Trans-1,2-DCE VC	Non-detect Non-detect Non-detect Non-detect Non-detect	0.5 ug/L 0.5 ug/L 0.5 ug/L 0.5 ug/L 0.5 ug/L	
GW-2 E2SJ7 1035 Hurricane Lane	WATER	10/30/12	PCE TCE Cis-1,2-DCE Trans-1,2-DCE VC	Non-detect Non-detect Non-detect Non-detect Non-detect	0.5 ug/L 0.5 ug/L 0.5 ug/L 0.5 ug/L 0.5 ug/L	
GW-10 E2SG1 1035 Hurricane Lane	WATER	11/1/12	PCE TCE Cis-1,2-DCE Trans-1,2-DCE VC	Non-detect Non-detect Non-detect Non-detect Non-detect	0.5 ug/L 0.5 ug/L 0.5 ug/L 0.5 ug/L 0.5 ug/L	

Appendix C

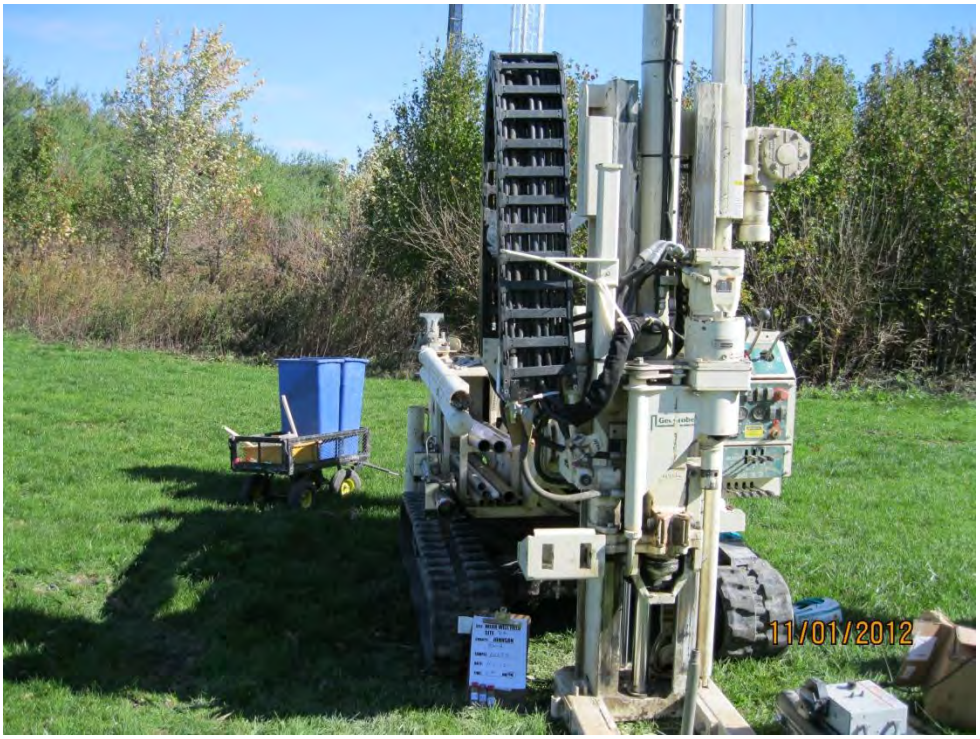
WEBB WELL FIELD

Webb Well Field ESI Sample Photographs

Site:	Webb Well Field
Site ID:	I NN000510423
Date:	10/30/2012
Time:	2:15 PM
Weather:	Cloudy, Cool
Sample ID:	E2SG4 / S-1
Sample Type:	Soil Sample
Description:	Soil obtained from Background property

Site:	Webb Well Field
Site ID:	I NN000510423
Date:	10/30/2012
Time:	2:30 PM
Weather:	Cloudy, Cool
Sample ID:	E2SG5 / GW-1
Sample Type:	Grab Ground Water Sample
Description:	Ground Water taken from Background property

Site:	Webb Well Field
Site ID:	I NN000510423
Date:	10/30/2012
Time:	11:00 AM
Weather:	Cloudy, Cool
Sample ID:	E2SG2 / S-2
Sample Type:	Soil Sample
Description:	Soil obtained from Background property



Site:	Webb Well Field
Site ID:	I NN000510423
Date:	11/01/2012
Time:	1:30 PM
Weather:	Sunny, Cool
Sample ID:	E2SJ7 / GW-2
Sample Type:	Grab Ground Water Sample
Description:	Ground Water taken from Background property

Site:	Webb Well Field
Site ID:	INN000510423
Date:	10/31/2012
Time:	10:00 AM
Weather:	Cloudy, Cool
Sample ID:	E2SH1 / S-3
Sample Type:	Soil Sample
Description:	Soil obtained from potential source property

Site:	Webb Well Field
Site ID:	INN000510423
Date:	10/31/2012
Time:	10:35 AM
Weather:	Cloudy, Cool
Sample ID:	E2SH2 / GW-3
Sample Type:	Grab Ground Water Sample
Description:	Ground Water taken from potential source property

Site:	Webb Well Field
Site ID:	INN000510423
Date:	10/31/2012
Time:	2:00 PM
Weather:	Cloudy, Cool
Sample ID:	E2SH7 / S-4
Sample Type:	Soil Sample
Description:	Soil obtained from potential source property

Site:	Webb Well Field
Site ID:	INN000510423
Date:	10/31/2012
Time:	2:20 PM
Weather:	Cloudy, Cool
Sample ID:	E2SH8 / GW-4
Sample Type:	Grab Ground Water Sample
Description:	Ground Water taken from potential source property

Site:	Webb Well Field
Site ID:	I NN000510423
Date:	11/01/2012
Time:	11:45 AM
Weather:	Cloudy, Cool
Sample ID:	E2SJ5 / S-5
Sample Type:	Soil Sample
Description:	Soil obtained from potential source property

Site:	Webb Well Field
Site ID:	I NN000510423
Date:	11/01/2012
Time:	12:15 PM
Weather:	Cloudy, Cool
Sample ID:	E2SJ6 / GW-5
Sample Type:	Grab Ground Water Sample
Description:	Ground Water taken from potential source property

Site:	Webb Well Field
Site ID:	INN000510423
Date:	11/01/2012
Time:	10:00 AM
Weather:	Cloudy, Cool
Sample ID:	E2SJ1 / S-6
Sample Type:	Soil Sample
Description:	Soil taken from potential source property

Site:	Webb Well Field
Site ID:	I NN000510423
Date:	11/01/2012
Time:	10:15 AM
Weather:	Cloudy, Cool
Sample ID:	E2SJ2 / GW-6
Sample Type:	Grab Ground Water Sample
Description:	Ground Water taken from potential source property

Site:	Webb Well Field
Site ID:	INN000510423
Date:	10/31/2012
Time:	12:45 PM
Weather:	Cloudy, Cool
Sample ID:	E2SH5 / S-7
Sample Type:	Soil Sample
Description:	Soil obtained from potential source property

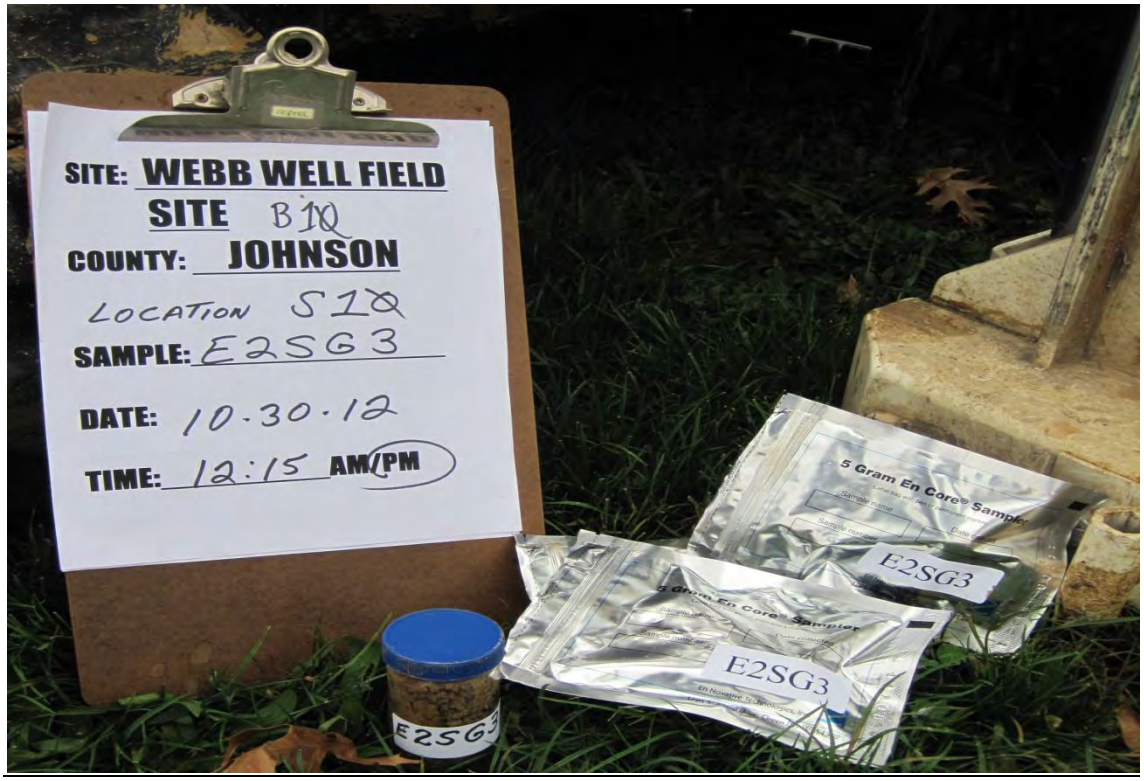
Site:	Webb Well Field
Site ID:	INN000510423
Date:	10/31/2012
Time:	1:00 PM
Weather:	Cloudy, Cool
Sample ID:	E2SH6 / GW-7
Sample Type:	Grab Ground Water Sample
Description:	Ground Water taken from potential source property

Site:	Webb Well Field
Site ID:	I NN000510423
Date:	10/31/2012
Time:	11:30 AM
Weather:	Cloudy, Cool
Sample ID:	E2SH3/ S-8
Sample Type:	Soil Sample
Description:	Soil obtained from potential source property

Site:	Webb Well Field
Site ID:	INN000510423
Date:	10/31/2012
Time:	11:45 AM
Weather:	Cloudy, Cool
Sample ID:	E2SH4 / GW-8
Sample Type:	Grab Ground Water Sample
Description:	Ground Water obtained from potential source property

Site:	Webb Well Field
Site ID:	INN000510423
Date:	11/01/2012
Time:	10:00 AM
Weather:	Cloudy, Cool
Sample ID:	E2SJ3 / S-9
Sample Type:	Soil Sample
Description:	Soil obtained from potential source property

Site:	Webb Well Field
Site ID:	I NN000510423
Date:	11/01/2012
Time:	10:15 AM
Weather:	Cloudy, Cool
Sample ID:	E2SJ4 / GW-9
Sample Type:	Duplicate Grab Ground Water Sample
Description:	Ground Water taken from potential source property



Site:	Webb Well Field
Site ID:	I NN000510423
Date:	10/30/2012
Time:	12:15 PM
Weather:	Cloudy, Cool
Sample ID:	E2SG3 / S-10
Sample Type:	Soil Sample
Description:	Soil obtained from Background property

Site:	Webb Well Field
Site ID:	I NN000510423
Date:	11/15/2012
Time:	12:30 PM
Weather:	Cloudy, Cool
Sample ID:	E2SG1 / GW-10
Sample Type:	Grab Ground Water Sample
Description:	Ground Water taken from Background property

Appendix D

WEBB WELL FIELD

Analytical Data from the Webb Well Field ESI sampling Event

CCS Semi-Automated Screening Results

14:40 Tue, Nov 27, 2012

SDG E2SG1 **Lab** KAP **Case** 43075 **Contract** EPW11031 **Client** EPA Region 5 **SOW** SOM01.2 **Stage** 3 **Tracking ID** 165604 **Version** 8.049

DRD 11/23/2012 **LRD** 11/02/2012 **Mailed** 11/27/2012 **Submission Type** First Submission **Screening Type** Semi-Automated

Cover Page

Uploaded	EXES Method	EDD Method	EXES Case	EDD Case	EXES Contract	EDD Contract	EXES Sdg	EDD Sdg	File Name	Mod/Flex
23November2012:18:16:23	VOA_Trace	VOA_Trace	43075	43075	EPW11031	EPW11031	E2SG1	E2SG1	43075_E2SG1_EPW11031_1_ORGANICGENERAL_3_3_VOA-Trace.zip	DEFAULT

CCS Semi-Automated Screening Results

14:40 Tue, Nov 27, 2012

SDG E2SG1 **Lab** KAP **Case** 43075 **Contract** EPW11031 **Client** EPA Region 5 **SOW** SOM01.2 **Stage** 3 **Tracking ID** 165604 **Version** 8.049

DRD 11/23/2012 **LRD** 11/02/2012 **Mailed** 11/27/2012 **Submission Type** First Submission **Screening Type** Semi-Automated

Sample Summary and Lab Receipt Date

Sample/Number	VOA Trace	VOA SIM	VOA	BNA	BNA SIM	PEST	AROCLOR	Automated	Manual
E2SG1	10/31/2012								
E2SG5	10/31/2012								
E2SG5MS	10/31/2012								
E2SG5MSD	10/31/2012								
E2SG6	11/02/2012								
E2SH0	10/31/2012								
E2SH2	11/01/2012								
E2SH2DL	11/01/2012								
E2SH4	11/01/2012								
E2SH4DL	11/01/2012								
E2SH6	11/01/2012								
E2SH6DL	11/01/2012								
E2SH8	11/01/2012								
E2SH9	11/01/2012								
E2SJ2	11/02/2012								
E2SJ4	11/02/2012								
E2SJ6	11/02/2012								
E2SJ6DL	11/02/2012								
E2SJ7	11/02/2012								
E2SK1	11/02/2012								
Totals	**20**	**0**	**0**	**0**	**0**	**0**	**0**		

CCS Semi-Automated Screening Results

14:40 Tue, Nov 27, 2012

SDG E2SG1 **Lab** KAP **Case** 43075 **Contract** EPW11031 **Client** EPA Region 5 **SOW** SOM01.2 **Stage** 3 **Tracking ID** 165604 **Version** 8.049

DRD 11/23/2012 **LRD** 11/02/2012 **Mailed** 11/27/2012 **Submission Type** First Submission **Screening Type** Semi-Automated

Grace Period Notification

Some defects have been modified/enhanced in the CCS automated screening system. CLP laboratories are allowed a two-week grace period to make necessary changes for future submissions. If any of these defects are applicable to this SDG, they will be listed in the CCS Notification section following the defect detail.

NONE FOUND

CCS Semi-Automated Screening Results

14:40 Tue, Nov 27, 2012

SDG E2SG1 **Lab** KAP **Case** 43075 **Contract** EPW11031 **Client** EPA Region 5 **SOW** SOM01.2 **Stage** 3 **Tracking ID** 165604 **Version** 8.049
DRD 11/23/2012 **LRD** 11/02/2012 **Mailed** 11/27/2012 **Submission Type** First Submission **Screening Type** Semi-Automated

File Skeleton

METHOD = VOA_Trace

#	QC	Analysis	Type	Date	M	L	DF	File ID	Inst	Col	Run	AB	ABE	PREP	Clean	Store
1	IPC	BFB70		11/08/2012 10:02:00				B42003	B-5973	RTX-VMS	B42008	B42003				
2	ICAL	VSTD02070		11/08/2012 10:14:00				B42004	B-5973	RTX-VMS	B42008	B42003				
3	ICAL	VSTD01070		11/08/2012 10:46:00				B42005	B-5973	RTX-VMS	B42008	B42003				
4	ICAL	VSTD00570		11/08/2012 11:19:00				B42006	B-5973	RTX-VMS	B42008	B42003				
5	ICAL	VSTD00170		11/08/2012 11:53:00				B42007	B-5973	RTX-VMS	B42008	B42003				
6	ICAL	VSTD0.570		11/08/2012 12:26:00				B42008	B-5973	RTX-VMS	B42008	B42003				
7	IPC	BFB72		11/09/2012 09:15:00				B42025	B-5973	RTX-VMS	B42008	B42025				
8	CCV	VSTD00572		11/09/2012 09:28:00				B42026	B-5973	RTX-VMS	B42008	B42025	B42026			
9	MB	VBLK72	I	11/09/2012 10:55:00	W	T	1.0	B42028	B-5973	RTX-VMS	B42008	B42025	B42043	B42028		G21639
10	FS	E2SH0	I	11/09/2012 17:52:00	W	T	1.0	B42038	B-5973	RTX-VMS	B42008	B42025	B42043	B42028		G21639
11	FS	E2SG1	I	11/09/2012 18:24:00	W	T	1.0	B42039	B-5973	RTX-VMS	B42008	B42025	B42043	B42028		G21639
12	FS	E2SG5	I	11/09/2012 18:56:00	W	T	1.0	B42040	B-5973	RTX-VMS	B42008	B42025	B42043	B42028		G21639
13	MS	E2SG5MS	I	11/09/2012 19:28:00	W	T	1.0	B42041	B-5973	RTX-VMS	B42008	B42025	B42043	B42028		G21639
14	MSD	E2SG5MSD	I	11/09/2012 20:01:00	W	T	1.0	B42042	B-5973	RTX-VMS	B42008	B42025	B42043	B42028		G21639
15	CCV	VSTD00573		11/09/2012 20:34:00				B42043	B-5973	RTX-VMS	B42008	B42043	B42043			
16	IPC	BFB74		11/10/2012 09:35:00				B42044	B-5973	RTX-VMS	B42008	B42044				
17	CCV	VSTD00574		11/10/2012 09:46:00				B42045	B-5973	RTX-VMS	B42008	B42044	B42045			
18	MB	VBLK74	I	11/10/2012 11:09:00	W	T	1.0	B42047	B-5973	RTX-VMS	B42008	B42044	B42063	B42047		G21639
19	FS	E2SH2	I	11/10/2012 11:42:00	W	T	4.0	B42048	B-5973	RTX-VMS	B42008	B42044	B42063	B42047		G21639
20	CCV	VSTD00575		11/10/2012 19:50:00				B42063	B-5973	RTX-VMS	B42008	B42063	B42063			
21	IPC	BFB4T		11/05/2012 17:50:00				G21543	G-5973	RTX-VMS	G21548	G21543				
22	ICAL	VSTD0204T		11/05/2012 18:16:00				G21544	G-5973	RTX-VMS	G21548	G21543				
23	ICAL	VSTD0104T		11/05/2012 19:13:00				G21545	G-5973	RTX-VMS	G21548	G21543				
24	ICAL	VSTD0054T		11/05/2012				G21546	G-5973	RTX-VMS	G21548	G21543				

CCS Semi-Automated Screening Results

14:40 Tue, Nov 27, 2012

SDG E2SG1 **Lab** KAP **Case** 43075 **Contract** EPW11031 **Client** EPA Region 5 **SOW** SOM01.2 **Stage** 3 **Tracking ID** 165604 **Version** 8.049
DRD 11/23/2012 **LRD** 11/02/2012 **Mailed** 11/27/2012 **Submission Type** First Submission **Screening Type** Semi-Automated

File Skeleton

METHOD = VOA_Trace

#	QC	Analysis	Type	Date	M	L	DF	File ID	Inst	Col	Run	AB	ABE	PREP	Clean	Store
				19:41:00												
25	ICAL	VSTD0014T		11/05/2012 20:11:00				G21547	G-5973	RTX-VMS	G21548	G21543				
26	ICAL	VSTD0.54T		11/05/2012 20:39:00				G21548	G-5973	RTX-VMS	G21548	G21543				
27	IPC	BFB4Y		11/08/2012 09:02:00				G21577	G-5973	RTX-VMS	G21548	G21577				
28	CCV	VSTD0054Y		11/08/2012 09:18:00				G21578	G-5973	RTX-VMS	G21548	G21577	G21578			
29	MB	VBLK4Y	I	11/08/2012 09:47:00	W	T	1.0	G21579	G-5973	RTX-VMS	G21548	G21577	G21599	G21579		G21639
30	FS	E2SH8	I	11/08/2012 17:32:00	W	T	1.0	G21593	G-5973	RTX-VMS	G21548	G21577	G21599	G21579		G21639
31	FS	E2SH2DL	DL-01	11/08/2012 18:00:00	W	T	5.0	G21594	G-5973	RTX-VMS	G21548	G21577	G21599	G21579		G21639
32	FS	E2SH4	I	11/08/2012 18:56:00	W	T	4.0	G21596	G-5973	RTX-VMS	G21548	G21577	G21599	G21579		G21639
33	MIB	VIBLK04	I	11/08/2012 19:24:00	W	T	1.0	G21597	G-5973	RTX-VMS	G21548	G21577	G21599	G21579		G21639
34	FS	E2SH6	I	11/08/2012 19:52:00	W	T	2.0	G21598	G-5973	RTX-VMS	G21548	G21577	G21599	G21579		G21639
35	CCV	VSTD0054Z		11/08/2012 20:20:00				G21599	G-5973	RTX-VMS	G21548	G21599	G21599			
36	IPC	BFB5A		11/09/2012 09:14:00				G21600	G-5973	RTX-VMS	G21548	G21600				
37	CCV	VSTD0055A		11/09/2012 09:30:00				G21601	G-5973	RTX-VMS	G21548	G21600	G21601			
38	MB	VBLK5A	I	11/09/2012 14:34:00	W	T	1.0	G21602	G-5973	RTX-VMS	G21548	G21600	G21614	G21602		G21639
39	FS	E2SH9	I	11/09/2012 15:30:00	W	T	1.0	G21604	G-5973	RTX-VMS	G21548	G21600	G21614	G21602		G21639
40	FS	E2SH4DL	DL-01	11/09/2012 16:08:00	W	T	10.0	G21605	G-5973	RTX-VMS	G21548	G21600	G21614	G21602		G21639
41	FS	E2SH6DL	DL-01	11/09/2012 16:36:00	W	T	10.0	G21606	G-5973	RTX-VMS	G21548	G21600	G21614	G21602		G21639
42	CCV	VSTD0055B		11/09/2012 20:25:00				G21614	G-5973	RTX-VMS	G21548	G21614	G21614			
43	IPC	BFB5C		11/12/2012 09:41:00				G21616	G-5973	RTX-VMS	G21548	G21616				
44	CCV	VSTD0055C		11/12/2012 09:56:00				G21617	G-5973	RTX-VMS	G21548	G21616	G21617			
45	MB	VBLK5C	I	11/12/2012 12:00:00	W	T	1.0	G21619	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
46	FS	E2SG6	I	11/12/2012 12:42:00	W	T	1.0	G21620	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
47	FS	E2SJ2	I	11/12/2012 13:10:00	W	T	1.0	G21621	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639

CCS Semi-Automated Screening Results

14:40 Tue, Nov 27, 2012

SDG E2SG1 **Lab** KAP **Case** 43075 **Contract** EPW11031 **Client** EPA Region 5 **SOW** SOM01.2 **Stage** 3 **Tracking ID** 165604 **Version** 8.049

DRD 11/23/2012 **LRD** 11/02/2012 **Mailed** 11/27/2012 **Submission Type** First Submission **Screening Type** Semi-Automated

File Skeleton

METHOD = VOA_Trace

#	QC	Analysis	Type	Date	M	L	DF	File ID	Inst	Col	Run	AB	ABE	PREP	Clean	Store
48	FS	E2SJ4	I	11/12/2012 13:38:00	W	T	1.0	G21622	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
49	FS	E2SJ7	I	11/12/2012 14:06:00	W	T	1.0	G21623	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
50	FS	E2SJ6	I	11/12/2012 14:34:00	W	T	1.0	G21624	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
51	MIB	VIBLK30	I	11/12/2012 16:07:00	W	T	1.0	G21626	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
52	FS	E2SK1	I	11/12/2012 16:46:00	W	T	1.0	G21627	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
53	FS	E2SJ6DL	DL-01	11/12/2012 18:20:00	W	T	10.0	G21630	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
54	CCV	VSTD0055D		11/12/2012 20:42:00				G21635	G-5973	RTX-VMS	G21548	G21635	G21635			
55	IPC	BFB5E		11/12/2012 22:16:00				G21636	G-5973	RTX-VMS	G21548	G21636				
56	CCV	VSTD0055E		11/12/2012 22:31:00				G21637	G-5973	RTX-VMS	G21548	G21636	G21637			
57	MB	VBLK5E	I	11/12/2012 23:09:00	W	T	1.0	G21638	G-5973	RTX-VMS	G21548	G21636	G21657	G21638		G21639
58	SB	VHBLK01	I	11/12/2012 23:40:00	W	T	1.0	G21639	G-5973	RTX-VMS	G21548	G21636	G21657	G21638		G21639
59	CCV	VSTD0055F		11/13/2012 08:25:00				G21657	G-5973	RTX-VMS	G21548	G21657	G21657			

CCS Semi-Automated Screening Results

14:40 Tue, Nov 27, 2012

SDG E2SG1 **Lab** KAP **Case** 43075 **Contract** EPW11031 **Client** EPA Region 5 **SOW** SOM01.2 **Stage** 3 **Tracking ID** 165604 **Version** 8.049

DRD 11/23/2012 **LRD** 11/02/2012 **Mailed** 11/27/2012 **Submission Type** First Submission **Screening Type** Semi-Automated

Manual Defect Detail

NONE FOUND

CCS Semi-Automated Screening Results

14:40 Tue, Nov 27, 2012

SDG E2SG1 **Lab** KAP **Case** 43075 **Contract** EPW11031 **Client** EPA Region 5 **SOW** SOM01.2 **Stage** 3 **Tracking ID** 165604 **Version** 8.049

DRD 11/23/2012 **LRD** 11/02/2012 **Mailed** 11/27/2012 **Submission Type** First Submission **Screening Type** Semi-Automated

General Comments

NONE FOUND

CCS Semi-Automated Screening Results

14:40 Tue, Nov 27, 2012

SDG E2SG1 **Lab** KAP **Case** 43075 **Contract** EPW11031 **Client** EPA Region 5 **SOW** SOM01.2 **Stage** 3 **Tracking ID** 165604 **Version** 8.049

DRD 11/23/2012 **LRD** 11/02/2012 **Mailed** 11/27/2012 **Submission Type** First Submission **Screening Type** Semi-Automated

Grace Period Defect Detail

NONE FOUND

Regional CCS Defect Report

14:08 Tue, Nov 27, 2012

SDG E2SG1 **Lab** KAP **Case** 43075 **Contract** EPW11031 **Client** EPA Region 5 **SOW** SOM01.2 **Stage** 3 **Tracking ID** 165604 **Version** 8.049

DRD 11/23/2012 **LRD** 11/02/2012 **Mailed** 11/27/2012 **Submission Type** First Submission **Screening Type** Semi-Automated

Sample Summary and Lab Receipt Date

Sample/Number	VOA Trace	VOA SIM	VOA	BNA	BNA SIM	PEST	AROCLOR	Automated	Manual
E2SG1	10/31/2012								
E2SG5	10/31/2012								
E2SG5MS	10/31/2012								
E2SG5MSD	10/31/2012								
E2SG6	11/02/2012								
E2SH0	10/31/2012								
E2SH2	11/01/2012								
E2SH2DL	11/01/2012								
E2SH4	11/01/2012								
E2SH4DL	11/01/2012								
E2SH6	11/01/2012								
E2SH6DL	11/01/2012								
E2SH8	11/01/2012								
E2SH9	11/01/2012								
E2SJ2	11/02/2012								
E2SJ4	11/02/2012								
E2SJ6	11/02/2012								
E2SJ6DL	11/02/2012								
E2SJ7	11/02/2012								
E2SK1	11/02/2012								
Totals	**20**	**0**	**0**	**0**	**0**	**0**	**0**		

Regional CCS Defect Report

14:08 Tue, Nov 27, 2012

SDG E2SG1 **Lab** KAP **Case** 43075 **Contract** EPW11031 **Client** EPA Region 5 **SOW** SOM01.2 **Stage** 3 **Tracking ID** 165604 **Version** 8.049

DRD 11/23/2012 **LRD** 11/02/2012 **Mailed** 11/27/2012 **Submission Type** First Submission **Screening Type** Semi-Automated

Regional CCS Defect Report

14:08 Tue, Nov 27, 2012

SDG E2SG1 **Lab** KAP **Case** 43075 **Contract** EPW11031 **Client** EPA Region 5 **SOW** SOM01.2 **Stage** 3 **Tracking ID** 165604 **Version** 8.049

DRD 11/23/2012 **LRD** 11/02/2012 **Mailed** 11/27/2012 **Submission Type** First Submission **Screening Type** Semi-Automated

Regional Defect Detail

NONE FOUND

Regional CCS Defect Report

14:08 Tue, Nov 27, 2012

SDG E2SG1 **Lab** KAP **Case** 43075 **Contract** EPW11031 **Client** EPA Region 5 **SOW** SOM01.2 **Stage** 3 **Tracking ID** 165604 **Version** 8.049

DRD 11/23/2012 **LRD** 11/02/2012 **Mailed** 11/27/2012 **Submission Type** First Submission **Screening Type** Semi-Automated

General Comments

NONE FOUND

National Functional Guidelines Report #03

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Data Review Reports

Blanks

Blanks	**VOA_Trace**
VTLB11	The following trace volatile samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated method blank has common contaminant analyte concentration is less than 2x the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	E2SG1, E2SG5, E2SG5MS, E2SG5MSD, E2SH0, E2SH2, E2SH4DL, E2SH6DL, E2SH9
	Methylene chloride E2SG1, E2SG5, E2SG5MS, E2SG5MSD, E2SH0, E2SH2, E2SH4DL, E2SH6DL, E2SH9
Blanks	**VOA_Trace**
VTLB12	The following trace volatile samples have analyte concentrations reported below the CRQL. The associated method blank concentration is less than the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	E2SG1, E2SH0, E2SH2, E2SH6, E2SH8, E2SH9
	Bromomethane E2SH6, E2SH8, E2SH9
	1,2,3-Trichlorobenzene E2SG1, E2SH0
	1,2,4-Trichlorobenzene E2SH2
Blanks	**VOA_Trace**
VTLB44	The following trace volatile samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated storage blank has common contaminant analyte concentration is less than 2x the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	E2SG1, E2SG5, E2SG5MS, E2SG5MSD, E2SH0, E2SH2, E2SH4DL, E2SH6DL, E2SH9, E2SJ4, E2SJ6DL, E2SJ7, E2SK1
	Methylene chloride E2SG1, E2SG5, E2SG5MS, E2SG5MSD, E2SH0, E2SH2, E2SH4DL, E2SH6DL, E2SH9, E2SJ4, E2SJ6DL, E2SJ7, E2SK1

National Functional Guidelines Report #03

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Data Review Reports

Continuing Calibration Verification

Continuing Calibration Verification	VOA_Trace
VTC8	The following trace volatile samples are associated with an opening or closing CCV percent difference (%D) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	E2SG1, E2SG5, E2SG5MS, E2SG5MSD, E2SG6, E2SH0, E2SJ2, E2SJ4, E2SJ6, E2SJ6DL, E2SJ7, E2SK1, VBLK5C, VBLK72
	Bromoform VSTD00572
	Bromomethane VSTD0055C
	E2SG1, E2SG5, E2SG5MS, E2SG5MSD, E2SG6, E2SH0, E2SJ2, E2SJ4, E2SJ6, E2SJ6DL, E2SJ7, E2SK1, VBLK5C, VBLK72

National Functional Guidelines Report #03

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Data Review Reports

DMC/Surrogate

DMC/Surrogate	**VOA_Trace**
VTDSS2	The following volatile samples have DMC/SMC recoveries above the upper limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are not qualified.
	E2SG5MS, E2SG6, E2SJ7
	1,1,2,2-Tetrachloroethane-d2 E2SG5MS
	1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane
	Chloroethane-d5 E2SG6, E2SJ7
	Bromomethane, Carbon disulfide, Chloroethane, Chloromethane, Dichlorodifluoromethane
DMC/Surrogate	**VOA_Trace**
VTDSS223	The following diluted volatile samples with dilution factors greater than 5 have DMC/SMC recoveries above the upper limit of the criteria window. Detected and nondetected compounds are not qualified.
	E2SH4DL, E2SH6DL
	1,1,2,2-Tetrachloroethane-d2 E2SH4DL, E2SH6DL
	1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane
DMC/Surrogate	**VOA_Trace**
VTDSS3	The following trace volatile samples have one or more DMC/SMC recovery values is less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	E2SH2DL
	Chloroform-d E2SH2DL
	1,1-Dichloroethane, Bromochloromethane, Bromoform, Chloroform, Dibromochloromethane
DMC/Surrogate	**VOA_Trace**
VTDSS3201	The following diluted trace volatile samples with dilution factors less than or equal to 5 have one or more DMC/SMC recovery values is less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	E2SH2DL
	Chloroform-d E2SH2DL
	1,1-Dichloroethane, Bromochloromethane, Bromoform, Chloroform, Dibromochloromethane

National Functional Guidelines Report #03

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Data Review Reports

Detection Limit

Detection Limit	VOA_Trace
VTDL1	The following volatile samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.
	E2SG1, E2SG5, E2SG5MS, E2SG5MSD, E2SG6, E2SH0, E2SH2, E2SH2DL, E2SH4DL, E2SH6, E2SH6DL, E2SH8, E2SH9, E2SJ2, E2SJ4, E2SJ6, E2SJ6DL, E2SJ7, E2SK1, VBLK4Y, VBLK5A, VBLK5E, VBLK72, VBLK74, VHBLK01
	Tetrachloroethene E2SJ6
	Chlorobenzene VBLK74
	Toluene E2SH8, E2SJ4
	1,2,3-Trichlorobenzene E2SG1, E2SH0, VBLK72, VBLK74
	Bromodichloromethane E2SH0, E2SH9
	cis-1,2-Dichloroethene E2SH2DL
	m,p-Xylene E2SG1, E2SH2
	Cyclohexane E2SG1, E2SH2
	Bromomethane E2SG6, E2SH6, E2SH8, E2SH9, E2SJ2, E2SJ4, E2SJ6, E2SK1, VBLK4Y, VBLK5A, VBLK5E
	Ethylbenzene E2SG1, E2SH2
	1,2,4-Trichlorobenzene E2SH0, E2SH2, VBLK74
	o-Xylene E2SG1
	trans-1,2-Dichloroethene E2SJ6
	Methylene chloride E2SG1, E2SG5, E2SG5MS, E2SG5MSD, E2SH0, E2SH2, E2SH4DL, E2SH6DL, E2SH9, E2SJ4, E2SJ6DL, E2SJ7, E2SK1, VBLK5E, VBLK72, VBLK74, VHBLK01
	Methylcyclohexane E2SG1

National Functional Guidelines Report #03

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Data Review Reports

Initial Calibration

Initial Calibration	VOA_Trace
VTC6	The following trace volatile samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detected compounds are qualified J. Nondetected compounds are not qualified. Use professional judgement to qualify non-detected compounds.
	E2SG6, E2SH2DL, E2SH4, E2SH4DL, E2SH6, E2SH6DL, E2SH8, E2SH9, E2SJ2, E2SJ4, E2SJ6, E2SJ6DL, E2SJ7, E2SK1, VBLK4Y, VBLK5A, VBLK5C, VBLK5E, VHBLK01
	Bromomethane VSTD0.54T
	E2SG6, E2SH2DL, E2SH4, E2SH4DL, E2SH6, E2SH6DL, E2SH8, E2SH9, E2SJ2, E2SJ4, E2SJ6, E2SJ6DL, E2SJ7, E2SK1, VBLK4Y, VBLK5A, VBLK5C, VBLK5E, VHBLK01

National Functional Guidelines Report #03

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Data Review Reports

TIC

TIC	VOA_Trace
VTTIC1	A library search indicates a match at or above 85% for a TIC compound in the trace volatile sample Detected compounds are qualified NJ. Nondetected compounds are not qualified.
	E2SH2
	Butane, 2-methyl- E2SH2
TIC	**VOA_Trace**
VTTIC2	A library search indicates a match below 85% for a TIC compound in the trace volatile sample Detected compounds are qualified J. Nondetected compounds are not qualified.
	E2SG1, E2SG5, E2SG6, E2SH0, E2SH2, E2SH2DL, E2SH4, E2SH4DL, E2SH6, E2SH6DL, E2SH8, E2SH9, E2SJ2, E2SJ4, E2SJ6, E2SJ6DL, E2SJ7, E2SK1, VBLK4Y, VBLK5A, VBLK5C, VBLK5E, VBLK72, VBLK74
	Unknown-09 E2SG1
	Unknown-07 E2SG1, E2SH0
	Unknown-08 E2SG1
	Unknown-05 E2SG1, E2SH0, E2SJ4
	Unknown-06 E2SG1, E2SH0
	Unknown-03 E2SG1, E2SG6, E2SH0, E2SH2, E2SJ4, E2SJ7, E2SK1, VBLK5E
	Unknown-04 E2SG1, E2SG6, E2SH0, E2SH2, E2SJ4
	Unknown-01 E2SG1, E2SG5, E2SG6, E2SH0, E2SH2, E2SH2DL, E2SH4, E2SH4DL, E2SH6, E2SH6DL, E2SH8, E2SH9, E2SJ2, E2SJ4, E2SJ6, E2SJ6DL, E2SJ7, E2SK1, VBLK4Y, VBLK5A, VBLK5C, VBLK5E, VBLK72, VBLK74
	Unknown-02 E2SG1, E2SG6, E2SH0, E2SH2, E2SJ4, E2SJ6, E2SJ6DL, E2SJ7, E2SK1, VBLK5C, VBLK5E
	Unknown-10 E2SG1
	Unknown-11 E2SG1

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	E2SG1 GW-0001 Field_Sample Water/TRACE 1.0 ug/L		E2SG5 GW-0003 Field_Sample Water/TRACE 1.0 ug/L		E2SG5MS GW-0003 Matrix_Spike Water/TRACE 1.0 ug/L		E2SG5MSD GW-0003 Matrix_Spike_Duplicate Water/TRACE 1.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Dichlorodifluoromethane	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	0.50	U	0.50	U	0.50	U	0.50	U
Trichlorofluoromethane	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene	0.50	U	0.50	U	3.4		3.8	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	5.0	U	5.0	U	5.0	U	5.0	U
Carbon disulfide	0.50	U	0.50	U	0.50	U	0.50	U
Methyl acetate	0.50	U	0.50	U	0.50	U	0.50	U
Methylene chloride	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,2-Dichloroethene	0.50	U	0.50	U	0.50	U	0.50	U
Methyl tert-butyl ether	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	0.50	U	0.50	U	0.50	U	0.50	U
2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U
Bromochloromethane	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform	0.50	U	0.50	U	0.50	U	0.50	U
1,1,1-Trichloroethane	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	0.14	J	0.50	U	0.50	U	0.50	U
Carbon tetrachloride	0.50	U	0.50	U	0.50	U	0.50	U
Benzene	0.50	U	0.50	U	4.5		4.4	
1,2-Dichloroethane	0.50	U	0.50	U	0.50	U	0.50	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	E2SG1 GW-0001 Field_Sample Water/TRACE 1.0 ug/L		E2SG5 GW-0003 Field_Sample Water/TRACE 1.0 ug/L		E2SG5MS GW-0003 Matrix_Spike Water/TRACE 1.0 ug/L		E2SG5MSD GW-0003 Matrix_Spike_Duplicate Water/TRACE 1.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Trichloroethene	0.50	U	0.50	U	4.3		4.4	
Methylcyclohexane	0.26	J	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U	0.50	U
4-Methyl-2-pentanone	5.0	U	5.0	U	5.0	U	5.0	U
Toluene	0.96		0.50	U	5.7		5.1	
trans-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene	0.50	U	0.50	U	0.50	U	0.50	U
2-Hexanone	5.0	U	5.0	U	5.0	U	5.0	U
Dibromochloromethane	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	0.50	U	0.50	U	4.8		5.2	
Ethylbenzene	0.20	J	0.50	U	0.50	U	0.50	U
o-Xylene	0.12	J	0.50	U	0.50	U	0.50	U
m,p-Xylene	0.28	J	0.50	U	0.50	U	0.50	U
Styrene	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Isopropylbenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	E2SG6 GW-0016 Field_Sample Water/TRACE 1.0 ug/L		E2SH0 GW-0002 Field_Sample Water/TRACE 1.0 ug/L		E2SH2 GW-0006 Field_Sample Water/TRACE 4.0 ug/L		E2SH2DL GW-0006 Field_Sample Water/TRACE 5.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Dichlorodifluoromethane	0.50	U	0.50	U	2.0	U	2.5	U
Chloromethane	0.50	U	0.50	U	2.0	U	2.5	U
Vinyl chloride	0.50	U	0.50	U	2.0	U	2.5	U
Bromomethane	0.42	J	0.50	U	2.0	U	2.5	U
Chloroethane	0.50	U	0.50	U	2.0	U	2.5	U
Trichlorofluoromethane	0.50	U	0.50	U	2.0	U	2.5	U
1,1-Dichloroethene	0.50	U	0.50	U	2.0	U	2.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	U	2.0	U	2.5	U
Acetone	5.0	U	5.0	U	20	U	25	U
Carbon disulfide	0.50	U	0.50	U	2.0	U	2.5	U
Methyl acetate	0.50	U	0.50	U	2.0	U	2.5	U
Methylene chloride	0.50	U	0.50	U	2.0	U	2.5	U
trans-1,2-Dichloroethene	0.50	U	0.50	U	2.0	U	2.5	U
Methyl tert-butyl ether	0.50	U	0.50	U	2.0	U	2.5	U
1,1-Dichloroethane	0.50	U	0.50	U	2.0	U	2.5	UJ
cis-1,2-Dichloroethene	0.50	U	0.50	U	2.8		2.3	J
2-Butanone	5.0	U	5.0	U	20	U	25	U
Bromochloromethane	0.50	U	0.50	U	2.0	U	2.5	UJ
Chloroform	0.50	U	3.8		2.0	U	2.5	UJ
1,1,1-Trichloroethane	0.50	U	0.50	U	2.0	U	2.5	U
Cyclohexane	0.50	U	0.50	U	0.80	J	2.5	U
Carbon tetrachloride	0.50	U	0.50	U	2.0	U	2.5	U
Benzene	0.50	U	0.50	U	2.0	U	2.5	U
1,2-Dichloroethane	0.50	U	0.50	U	2.0	U	2.5	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	E2SG6 GW-0016 Field_Sample Water/TRACE 1.0 ug/L		E2SH0 GW-0002 Field_Sample Water/TRACE 1.0 ug/L		E2SH2 GW-0006 Field_Sample Water/TRACE 4.0 ug/L		E2SH2DL GW-0006 Field_Sample Water/TRACE 5.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Trichloroethene	0.50	U	0.50	U	92		87	
Methylcyclohexane	0.50	U	0.50	U	2.0	U	2.5	U
1,2-Dichloropropane	0.50	U	0.50	U	2.0	U	2.5	U
Bromodichloromethane	0.50	U	0.48	J	2.0	U	2.5	U
cis-1,3-Dichloropropene	0.50	U	0.50	U	2.0	U	2.5	U
4-Methyl-2-pentanone	5.0	U	5.0	U	20	U	25	U
Toluene	0.50	U	0.50	U	2.3		2.5	U
trans-1,3-Dichloropropene	0.50	U	0.50	U	2.0	U	2.5	U
1,1,2-Trichloroethane	0.50	U	0.50	U	2.0	U	2.5	U
Tetrachloroethene	0.50	U	0.50	U	73		55	
2-Hexanone	5.0	U	5.0	U	20	U	25	U
Dibromochloromethane	0.50	U	0.50	U	2.0	U	2.5	UJ
1,2-Dibromoethane	0.50	U	0.50	U	2.0	U	2.5	U
Chlorobenzene	0.50	U	0.50	U	2.0	U	2.5	U
Ethylbenzene	0.50	U	0.50	U	0.47	J	2.5	U
o-Xylene	0.50	U	0.50	U	2.0	U	2.5	U
m,p-Xylene	0.50	U	0.50	U	0.70	J	2.5	U
Styrene	0.50	U	0.50	U	2.0	U	2.5	U
Bromoform	0.50	U	0.50	UJ	2.0	U	2.5	UJ
Isopropylbenzene	0.50	U	0.50	U	2.0	U	2.5	U
1,1,2,2-Tetrachloroethane	0.50	U	0.50	U	2.0	U	2.5	U
1,3-Dichlorobenzene	0.50	U	0.50	U	2.0	U	2.5	U
1,4-Dichlorobenzene	0.50	U	0.50	U	2.0	U	2.5	U
1,2-Dichlorobenzene	0.50	U	0.50	U	2.0	U	2.5	U
1,2-Dibromo-3-chloropropane	0.50	U	0.50	U	2.0	U	2.5	U
1,2,4-Trichlorobenzene	0.50	U	0.18	J	2.0	U	2.5	U
1,2,3-Trichlorobenzene	0.50	U	0.50	U	2.0	U	2.5	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	E2SH4 GW-0007 Field_Sample Water/TRACE 4.0 ug/L		E2SH4DL GW-0007 Field_Sample Water/TRACE 10.0 ug/L		E2SH6 GW-0008 Field_Sample Water/TRACE 2.0 ug/L		E2SH6DL GW-0008 Field_Sample Water/TRACE 10.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Dichlorodifluoromethane	2.0	U	5.0	U	1.0	U	5.0	U
Chloromethane	2.0	U	5.0	U	1.0	U	5.0	U
Vinyl chloride	2.0	U	5.0	U	1.0	U	5.0	U
Bromomethane	2.0	U	5.0	U	1.0	UJ	5.0	U
Chloroethane	2.0	U	5.0	U	1.0	U	5.0	U
Trichlorofluoromethane	2.0	U	5.0	U	1.0	U	5.0	U
1,1-Dichloroethene	2.0	U	5.0	U	1.0	U	5.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	5.0	U	1.0	U	5.0	U
Acetone	20	U	50	U	10	U	50	U
Carbon disulfide	2.0	U	5.0	U	1.0	U	5.0	U
Methyl acetate	2.0	U	5.0	U	1.0	U	5.0	U
Methylene chloride	2.0	U	5.0	U	1.0	U	5.0	U
trans-1,2-Dichloroethene	2.0	U	5.0	U	1.0	U	5.0	U
Methyl tert-butyl ether	2.0	U	5.0	U	1.0	U	5.0	U
1,1-Dichloroethane	2.0	U	5.0	U	1.0	U	5.0	U
cis-1,2-Dichloroethene	2.0	U	5.0	U	1.0	U	5.0	U
2-Butanone	20	U	50	U	10	U	50	U
Bromochloromethane	2.0	U	5.0	U	1.0	U	5.0	U
Chloroform	2.0	U	5.0	U	1.0	U	5.0	U
1,1,1-Trichloroethane	2.0	U	5.0	U	1.0	U	5.0	U
Cyclohexane	2.0	U	5.0	U	1.0	U	5.0	U
Carbon tetrachloride	2.0	U	5.0	U	1.0	U	5.0	U
Benzene	2.0	U	5.0	U	1.0	U	5.0	U
1,2-Dichloroethane	2.0	U	5.0	U	1.0	U	5.0	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	E2SH4 GW-0007 Field_Sample Water/TRACE 4.0 ug/L		E2SH4DL GW-0007 Field_Sample Water/TRACE 10.0 ug/L		E2SH6 GW-0008 Field_Sample Water/TRACE 2.0 ug/L		E2SH6DL GW-0008 Field_Sample Water/TRACE 10.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Trichloroethene	82		75		60		70	
Methylcyclohexane	2.0	U	5.0	U	1.0	U	5.0	U
1,2-Dichloropropane	2.0	U	5.0	U	1.0	U	5.0	U
Bromodichloromethane	2.0	U	5.0	U	1.0	U	5.0	U
cis-1,3-Dichloropropene	2.0	U	5.0	U	1.0	U	5.0	U
4-Methyl-2-pentanone	20	U	50	U	10	U	50	U
Toluene	2.0	U	5.0	U	1.0	U	5.0	U
trans-1,3-Dichloropropene	2.0	U	5.0	U	1.0	U	5.0	U
1,1,2-Trichloroethane	2.0	U	5.0	U	1.0	U	5.0	U
Tetrachloroethene	2.0	U	5.0	U	1.0	U	5.0	U
2-Hexanone	20	U	50	U	10	U	50	U
Dibromochloromethane	2.0	U	5.0	U	1.0	U	5.0	U
1,2-Dibromoethane	2.0	U	5.0	U	1.0	U	5.0	U
Chlorobenzene	2.0	U	5.0	U	1.0	U	5.0	U
Ethylbenzene	2.0	U	5.0	U	1.0	U	5.0	U
o-Xylene	2.0	U	5.0	U	1.0	U	5.0	U
m,p-Xylene	2.0	U	5.0	U	1.0	U	5.0	U
Styrene	2.0	U	5.0	U	1.0	U	5.0	U
Bromoform	2.0	U	5.0	U	1.0	U	5.0	U
Isopropylbenzene	2.0	U	5.0	U	1.0	U	5.0	U
1,1,2,2-Tetrachloroethane	2.0	U	5.0	U	1.0	U	5.0	U
1,3-Dichlorobenzene	2.0	U	5.0	U	1.0	U	5.0	U
1,4-Dichlorobenzene	2.0	U	5.0	U	1.0	U	5.0	U
1,2-Dichlorobenzene	2.0	U	5.0	U	1.0	U	5.0	U
1,2-Dibromo-3-chloropropane	2.0	U	5.0	U	1.0	U	5.0	U
1,2,4-Trichlorobenzene	2.0	U	5.0	U	1.0	U	5.0	U
1,2,3-Trichlorobenzene	2.0	U	5.0	U	1.0	U	5.0	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	E2SH8 GW-0009 Field_Sample Water/TRACE 1.0 ug/L		E2SH9 GW-0010 Field_Sample Water/TRACE 1.0 ug/L		E2SJ2 GW-0011 Field_Sample Water/TRACE 1.0 ug/L		E2SJ4 GW-0012 Field_Sample Water/TRACE 1.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Dichlorodifluoromethane	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.50	UJ	0.50	UJ	0.32	J	0.32	J
Chloroethane	0.50	U	0.50	U	0.50	U	0.50	U
Trichlorofluoromethane	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	5.2		5.0	U	5.0	U	5.0	U
Carbon disulfide	0.50	U	0.50	U	0.50	U	0.50	U
Methyl acetate	0.50	U	0.50	U	0.50	U	0.50	U
Methylene chloride	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,2-Dichloroethene	0.50	U	0.50	U	0.50	U	0.62	
Methyl tert-butyl ether	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	0.50	U	0.50	U	1.2		5.4	
2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U
Bromochloromethane	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform	0.50	U	4.2		0.50	U	0.50	U
1,1,1-Trichloroethane	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	0.50	U	0.50	U	0.50	U	0.50	U
Carbon tetrachloride	0.50	U	0.50	U	0.50	U	0.50	U
Benzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.50	U	0.50	U	0.50	U	0.50	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	E2SH8 GW-0009 Field_Sample Water/TRACE 1.0 ug/L		E2SH9 GW-0010 Field_Sample Water/TRACE 1.0 ug/L		E2SJ2 GW-0011 Field_Sample Water/TRACE 1.0 ug/L		E2SJ4 GW-0012 Field_Sample Water/TRACE 1.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Trichloroethene	0.50	U	0.50	U	2.4		3.0	
Methylcyclohexane	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	0.50	U	0.46	J	0.50	U	0.50	U
cis-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U	0.50	U
4-Methyl-2-pentanone	5.0	U	5.0	U	5.0	U	5.0	U
Toluene	0.42	J	0.50	U	0.50	U	0.33	J
trans-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene	0.50	U	0.50	U	0.50	U	0.50	U
2-Hexanone	5.0	U	5.0	U	5.0	U	5.0	U
Dibromochloromethane	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
Ethylbenzene	0.50	U	0.50	U	0.50	U	0.50	U
o-Xylene	0.50	U	0.50	U	0.50	U	0.50	U
m,p-Xylene	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	E2SJ6 GW-0013 Field_Sample Water/TRACE 1.0 ug/L		E2SJ6DL GW-0013 Field_Sample Water/TRACE 10.0 ug/L		E2SJ7 GW-0015 Field_Sample Water/TRACE 1.0 ug/L		E2SK1 GW-0014 Field_Sample Water/TRACE 1.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Dichlorodifluoromethane	0.50	U	5.0	U	0.50	U	0.50	U
Chloromethane	0.50	U	5.0	U	0.50	U	0.50	U
Vinyl chloride	0.50	U	5.0	U	0.50	U	0.50	U
Bromomethane	0.35	J	5.0	UJ	0.53	J	0.28	J
Chloroethane	0.50	U	5.0	U	0.50	U	0.50	U
Trichlorofluoromethane	0.50	U	5.0	U	0.50	U	0.50	U
1,1-Dichloroethene	0.50	U	5.0	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	5.0	U	0.50	U	0.50	U
Acetone	5.0	U	50	U	5.0	U	5.0	U
Carbon disulfide	0.50	U	5.0	U	0.50	U	0.50	U
Methyl acetate	0.50	U	5.0	U	0.50	U	0.50	U
Methylene chloride	0.50	U	5.0	U	0.50	U	0.50	U
trans-1,2-Dichloroethene	0.23	J	5.0	U	0.50	U	0.50	U
Methyl tert-butyl ether	0.50	U	5.0	U	0.50	U	0.50	U
1,1-Dichloroethane	0.50	U	5.0	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	1.7		5.0	U	0.50	U	0.50	U
2-Butanone	5.0	U	50	U	5.0	U	5.0	U
Bromochloromethane	0.50	U	5.0	U	0.50	U	0.50	U
Chloroform	0.50	U	5.0	U	0.50	U	13	
1,1,1-Trichloroethane	0.50	U	5.0	U	0.50	U	0.50	U
Cyclohexane	0.50	U	5.0	U	0.50	U	0.50	U
Carbon tetrachloride	0.50	U	5.0	U	0.50	U	0.50	U
Benzene	0.50	U	5.0	U	0.50	U	0.50	U
1,2-Dichloroethane	0.50	U	5.0	U	0.50	U	0.50	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	E2SJ6 GW-0013 Field_Sample Water/TRACE 1.0 ug/L		E2SJ6DL GW-0013 Field_Sample Water/TRACE 10.0 ug/L		E2SJ7 GW-0015 Field_Sample Water/TRACE 1.0 ug/L		E2SK1 GW-0014 Field_Sample Water/TRACE 1.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Trichloroethene	51		35		0.50	U	0.50	U
Methylcyclohexane	0.50	U	5.0	U	0.50	U	0.50	U
1,2-Dichloropropane	0.50	U	5.0	U	0.50	U	0.50	U
Bromodichloromethane	0.50	U	5.0	U	0.50	U	3.9	
cis-1,3-Dichloropropene	0.50	U	5.0	U	0.50	U	0.50	U
4-Methyl-2-pentanone	5.0	U	50	U	5.0	U	5.0	U
Toluene	0.50	U	5.0	U	0.50	U	0.50	U
trans-1,3-Dichloropropene	0.50	U	5.0	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.50	U	5.0	U	0.50	U	0.50	U
Tetrachloroethene	0.40	J	5.0	U	0.50	U	0.50	U
2-Hexanone	5.0	U	50	U	5.0	U	5.0	U
Dibromochloromethane	0.50	U	5.0	U	0.50	U	0.67	
1,2-Dibromoethane	0.50	U	5.0	U	0.50	U	0.50	U
Chlorobenzene	0.50	U	5.0	U	0.50	U	0.50	U
Ethylbenzene	0.50	U	5.0	U	0.50	U	0.50	U
o-Xylene	0.50	U	5.0	U	0.50	U	0.50	U
m,p-Xylene	0.50	U	5.0	U	0.50	U	0.50	U
Styrene	0.50	U	5.0	U	0.50	U	0.50	U
Bromoform	0.50	U	5.0	U	0.50	U	0.50	U
Isopropylbenzene	0.50	U	5.0	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.50	U	5.0	U	0.50	U	0.50	U
1,3-Dichlorobenzene	0.50	U	5.0	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.50	U	5.0	U	0.50	U	0.50	U
1,2-Dichlorobenzene	0.50	U	5.0	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	0.50	U	5.0	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.50	U	5.0	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.50	U	5.0	U	0.50	U	0.50	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	VBLK4Y Method_Blank Water/TRACE 1.0 ug/L		VBLK5A Method_Blank Water/TRACE 1.0 ug/L		VBLK5C Method_Blank Water/TRACE 1.0 ug/L		VBLK5E Method_Blank Water/TRACE 1.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Dichlorodifluoromethane	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.40	J	0.39	J	0.50	UJ	0.36	J
Chloroethane	0.50	U	0.50	U	0.50	U	0.50	U
Trichlorofluoromethane	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	5.0	U	5.0	U	5.0	U	5.0	U
Carbon disulfide	0.50	U	0.50	U	0.50	U	0.50	U
Methyl acetate	0.50	U	0.50	U	0.50	U	0.50	U
Methylene chloride	0.60		0.55		0.50	U	0.24	J
trans-1,2-Dichloroethene	0.50	U	0.50	U	0.50	U	0.50	U
Methyl tert-butyl ether	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	0.50	U	0.50	U	0.50	U	0.50	U
2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U
Bromochloromethane	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform	0.50	U	0.50	U	0.50	U	0.50	U
1,1,1-Trichloroethane	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	0.50	U	0.50	U	0.50	U	0.50	U
Carbon tetrachloride	0.50	U	0.50	U	0.50	U	0.50	U
Benzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.50	U	0.50	U	0.50	U	0.50	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	VBLK4Y Method_Blank Water/TRACE 1.0 ug/L		VBLK5A Method_Blank Water/TRACE 1.0 ug/L		VBLK5C Method_Blank Water/TRACE 1.0 ug/L		VBLK5E Method_Blank Water/TRACE 1.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Trichloroethene	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U	0.50	U
4-Methyl-2-pentanone	5.0	U	5.0	U	5.0	U	5.0	U
Toluene	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene	0.50	U	0.50	U	0.50	U	0.50	U
2-Hexanone	5.0	U	5.0	U	5.0	U	5.0	U
Dibromochloromethane	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
Ethylbenzene	0.50	U	0.50	U	0.50	U	0.50	U
o-Xylene	0.50	U	0.50	U	0.50	U	0.50	U
m,p-Xylene	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	VBLK72 Method_Blank Water/TRACE 1.0 ug/L		VBLK74 Method_Blank Water/TRACE 1.0 ug/L		VHBLK01 Storage_Blank Water/TRACE 1.0 ug/L			
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Dichlorodifluoromethane	0.50	U	0.50	U	0.50	U		
Chloromethane	0.50	U	0.50	U	0.50	U		
Vinyl chloride	0.50	U	0.50	U	0.50	U		
Bromomethane	0.50	U	0.50	U	0.50	U		
Chloroethane	0.50	U	0.50	U	0.50	U		
Trichlorofluoromethane	0.50	U	0.50	U	0.50	U		
1,1-Dichloroethene	0.50	U	0.50	U	0.50	U		
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	U	0.50	U		
Acetone	5.0	U	5.0	U	5.0	U		
Carbon disulfide	0.50	U	0.50	U	0.50	U		
Methyl acetate	0.50	U	0.50	U	0.50	U		
Methylene chloride	0.46	J	0.26	J	0.29	J		
trans-1,2-Dichloroethene	0.50	U	0.50	U	0.50	U		
Methyl tert-butyl ether	0.50	U	0.50	U	0.50	U		
1,1-Dichloroethane	0.50	U	0.50	U	0.50	U		
cis-1,2-Dichloroethene	0.50	U	0.50	U	0.50	U		
2-Butanone	5.0	U	5.0	U	5.0	U		
Bromochloromethane	0.50	U	0.50	U	0.50	U		
Chloroform	0.50	U	0.50	U	0.50	U		
1,1,1-Trichloroethane	0.50	U	0.50	U	0.50	U		
Cyclohexane	0.50	U	0.50	U	0.50	U		
Carbon tetrachloride	0.50	U	0.50	U	0.50	U		
Benzene	0.50	U	0.50	U	0.50	U		
1,2-Dichloroethane	0.50	U	0.50	U	0.50	U		

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	VBLK72 Method_Blank Water/TRACE 1.0 ug/L		VBLK74 Method_Blank Water/TRACE 1.0 ug/L		VHBLK01 Storage_Blank Water/TRACE 1.0 ug/L			
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Trichloroethene	0.50	U	0.50	U	0.50	U		
Methylcyclohexane	0.50	U	0.50	U	0.50	U		
1,2-Dichloropropane	0.50	U	0.50	U	0.50	U		
Bromodichloromethane	0.50	U	0.50	U	0.50	U		
cis-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U		
4-Methyl-2-pentanone	5.0	U	5.0	U	5.0	U		
Toluene	0.50	U	0.50	U	0.50	U		
trans-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U		
1,1,2-Trichloroethane	0.50	U	0.50	U	0.50	U		
Tetrachloroethene	0.50	U	0.50	U	0.50	U		
2-Hexanone	5.0	U	5.0	U	5.0	U		
Dibromochloromethane	0.50	U	0.50	U	0.50	U		
1,2-Dibromoethane	0.50	U	0.50	U	0.50	U		
Chlorobenzene	0.50	U	0.13	J	0.50	U		
Ethylbenzene	0.50	U	0.50	U	0.50	U		
o-Xylene	0.50	U	0.50	U	0.50	U		
m,p-Xylene	0.50	U	0.50	U	0.50	U		
Styrene	0.50	U	0.50	U	0.50	U		
Bromoform	0.50	UJ	0.50	U	0.50	U		
Isopropylbenzene	0.50	U	0.50	U	0.50	U		
1,1,2,2-Tetrachloroethane	0.50	U	0.50	U	0.50	U		
1,3-Dichlorobenzene	0.50	U	0.50	U	0.50	U		
1,4-Dichlorobenzene	0.50	U	0.50	U	0.50	U		
1,2-Dichlorobenzene	0.50	U	0.50	U	0.50	U		
1,2-Dibromo-3-chloropropane	0.50	U	0.50	U	0.50	U		
1,2,4-Trichlorobenzene	0.50	U	0.092	J	0.50	U		
1,2,3-Trichlorobenzene	0.11	J	0.11	J	0.50	U		

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SG1
Location:	GW-0001
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50													U
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50	U			J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.14				J									
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SG1
Location:	GW-0001
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.26				J									
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.96													
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.20				J									
o-Xylene	0.12				J									
m,p-Xylene	0.28				J									
Styrene	0.50													U
Bromoform	0.50		UJ											U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50	U			J									

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SG5
Location:	GW-0003
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50													U
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50	U			J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SG5
Location:	GW-0003
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50		UJ											U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SG5MS
Location:	GW-0003
Type:	Matrix_Spike
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50													U
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	3.4													
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50	U			J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	4.5													
1,2-Dichloroethane	0.50													U

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SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SG5MS
Location:	GW-0003
Type:	Matrix_Spike
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	4.3													
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	5.7													
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	4.8													
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50		UJ											U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

** Data validated only for categories listed. Keys are:

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IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SG5MSD
Location:	GW-0003
Type:	Matrix_Spike_Duplicate
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50													U
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	3.8													
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50	U			J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	4.4													
1,2-Dichloroethane	0.50													U

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SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SG5MSD
Location:	GW-0003
Type:	Matrix_Spike_Duplicate
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	4.4													
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	5.1													
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	5.2													
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50		UJ											U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

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SP=System Performance
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BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SG6
Location:	GW-0016
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.42		J		J		J					J		
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50													U
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SG6
Location:	GW-0016
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

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CCAL=Continuing Calibration Verification
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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH0
Location:	GW-0002
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50													U
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50	U			J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	3.8													
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH0
Location:	GW-0002
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.48				J									
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50		UJ											U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.18				J									
1,2,3-Trichlorobenzene	0.50	U			J									

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH2
Location:	GW-0006
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	4.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	2.0													U
Chloromethane	2.0													U
Vinyl chloride	2.0													U
Bromomethane	2.0													U
Chloroethane	2.0													U
Trichlorofluoromethane	2.0													U
1,1-Dichloroethene	2.0													U
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0													U
Acetone	20													U
Carbon disulfide	2.0													U
Methyl acetate	2.0													U
Methylene chloride	2.0	U			J									
trans-1,2-Dichloroethene	2.0													U
Methyl tert-butyl ether	2.0													U
1,1-Dichloroethane	2.0													U
cis-1,2-Dichloroethene	2.8													
2-Butanone	20													U
Bromochloromethane	2.0													U
Chloroform	2.0													U
1,1,1-Trichloroethane	2.0													U
Cyclohexane	0.80				J									
Carbon tetrachloride	2.0													U
Benzene	2.0													U
1,2-Dichloroethane	2.0													U

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BLA=Blanks
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PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH2
Location:	GW-0006
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	4.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	92													
Methylcyclohexane	2.0													U
1,2-Dichloropropane	2.0													U
Bromodichloromethane	2.0													U
cis-1,3-Dichloropropene	2.0													U
4-Methyl-2-pentanone	20													U
Toluene	2.3													
trans-1,3-Dichloropropene	2.0													U
1,1,2-Trichloroethane	2.0													U
Tetrachloroethene	73													
2-Hexanone	20													U
Dibromochloromethane	2.0													U
1,2-Dibromoethane	2.0													U
Chlorobenzene	2.0													U
Ethylbenzene	0.47				J									
o-Xylene	2.0													U
m,p-Xylene	0.70				J									
Styrene	2.0													U
Bromoform	2.0													U
Isopropylbenzene	2.0													U
1,1,2,2-Tetrachloroethane	2.0													U
1,3-Dichlorobenzene	2.0													U
1,4-Dichlorobenzene	2.0													U
1,2-Dichlorobenzene	2.0													U
1,2-Dibromo-3-chloropropane	2.0													U
1,2,4-Trichlorobenzene	2.0	U			J									
1,2,3-Trichlorobenzene	2.0													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH2DL
Location:	GW-0006
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	5.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	2.5													U
Chloromethane	2.5													U
Vinyl chloride	2.5													U
Bromomethane	2.5													U
Chloroethane	2.5													U
Trichlorofluoromethane	2.5													U
1,1-Dichloroethene	2.5													U
1,1,2-Trichloro-1,2,2-trifluoroethane	2.5													U
Acetone	25													U
Carbon disulfide	2.5													U
Methyl acetate	2.5													U
Methylene chloride	2.5													U
trans-1,2-Dichloroethene	2.5													U
Methyl tert-butyl ether	2.5													U
1,1-Dichloroethane	2.5											UJ		U
cis-1,2-Dichloroethene	2.3				J									
2-Butanone	25													U
Bromochloromethane	2.5											UJ		U
Chloroform	2.5											UJ		U
1,1,1-Trichloroethane	2.5													U
Cyclohexane	2.5													U
Carbon tetrachloride	2.5													U
Benzene	2.5													U
1,2-Dichloroethane	2.5													U

** Data validated only for categories listed. Keys are:

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HT=Holding Times
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SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH2DL
Location:	GW-0006
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	5.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	87													
Methylcyclohexane	2.5													U
1,2-Dichloropropane	2.5													U
Bromodichloromethane	2.5													U
cis-1,3-Dichloropropene	2.5													U
4-Methyl-2-pentanone	25													U
Toluene	2.5													U
trans-1,3-Dichloropropene	2.5													U
1,1,2-Trichloroethane	2.5													U
Tetrachloroethene	55													
2-Hexanone	25													U
Dibromochloromethane	2.5											UJ		U
1,2-Dibromoethane	2.5													U
Chlorobenzene	2.5													U
Ethylbenzene	2.5													U
o-Xylene	2.5													U
m,p-Xylene	2.5													U
Styrene	2.5													U
Bromoform	2.5											UJ		U
Isopropylbenzene	2.5													U
1,1,2,2-Tetrachloroethane	2.5													U
1,3-Dichlorobenzene	2.5													U
1,4-Dichlorobenzene	2.5													U
1,2-Dichlorobenzene	2.5													U
1,2-Dibromo-3-chloropropane	2.5													U
1,2,4-Trichlorobenzene	2.5													U
1,2,3-Trichlorobenzene	2.5													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH4
Location:	GW-0007
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	4.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	2.0													U
Chloromethane	2.0													U
Vinyl chloride	2.0													U
Bromomethane	2.0													U
Chloroethane	2.0													U
Trichlorofluoromethane	2.0													U
1,1-Dichloroethene	2.0													U
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0													U
Acetone	20													U
Carbon disulfide	2.0													U
Methyl acetate	2.0													U
Methylene chloride	2.0													U
trans-1,2-Dichloroethene	2.0													U
Methyl tert-butyl ether	2.0													U
1,1-Dichloroethane	2.0													U
cis-1,2-Dichloroethene	2.0													U
2-Butanone	20													U
Bromochloromethane	2.0													U
Chloroform	2.0													U
1,1,1-Trichloroethane	2.0													U
Cyclohexane	2.0													U
Carbon tetrachloride	2.0													U
Benzene	2.0													U
1,2-Dichloroethane	2.0													U

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SP=System Performance
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TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH4
Location:	GW-0007
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	4.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	82													
Methylcyclohexane	2.0													U
1,2-Dichloropropane	2.0													U
Bromodichloromethane	2.0													U
cis-1,3-Dichloropropene	2.0													U
4-Methyl-2-pentanone	20													U
Toluene	2.0													U
trans-1,3-Dichloropropene	2.0													U
1,1,2-Trichloroethane	2.0													U
Tetrachloroethene	2.0													U
2-Hexanone	20													U
Dibromochloromethane	2.0													U
1,2-Dibromoethane	2.0													U
Chlorobenzene	2.0													U
Ethylbenzene	2.0													U
o-Xylene	2.0													U
m,p-Xylene	2.0													U
Styrene	2.0													U
Bromoform	2.0													U
Isopropylbenzene	2.0													U
1,1,2,2-Tetrachloroethane	2.0													U
1,3-Dichlorobenzene	2.0													U
1,4-Dichlorobenzene	2.0													U
1,2-Dichlorobenzene	2.0													U
1,2-Dibromo-3-chloropropane	2.0													U
1,2,4-Trichlorobenzene	2.0													U
1,2,3-Trichlorobenzene	2.0													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH4DL
Location:	GW-0007
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	10.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	5.0													U
Chloromethane	5.0													U
Vinyl chloride	5.0													U
Bromomethane	5.0													U
Chloroethane	5.0													U
Trichlorofluoromethane	5.0													U
1,1-Dichloroethene	5.0													U
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0													U
Acetone	50													U
Carbon disulfide	5.0													U
Methyl acetate	5.0													U
Methylene chloride	5.0	U			J									
trans-1,2-Dichloroethene	5.0													U
Methyl tert-butyl ether	5.0													U
1,1-Dichloroethane	5.0													U
cis-1,2-Dichloroethene	5.0													U
2-Butanone	50													U
Bromochloromethane	5.0													U
Chloroform	5.0													U
1,1,1-Trichloroethane	5.0													U
Cyclohexane	5.0													U
Carbon tetrachloride	5.0													U
Benzene	5.0													U
1,2-Dichloroethane	5.0													U

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LCS=Laboratory Control Sample
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MS=Matrix Spikes
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CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH4DL
Location:	GW-0007
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	10.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	75													
Methylcyclohexane	5.0													U
1,2-Dichloropropane	5.0													U
Bromodichloromethane	5.0													U
cis-1,3-Dichloropropene	5.0													U
4-Methyl-2-pentanone	50													U
Toluene	5.0													U
trans-1,3-Dichloropropene	5.0													U
1,1,2-Trichloroethane	5.0													U
Tetrachloroethene	5.0													U
2-Hexanone	50													U
Dibromochloromethane	5.0													U
1,2-Dibromoethane	5.0													U
Chlorobenzene	5.0													U
Ethylbenzene	5.0													U
o-Xylene	5.0													U
m,p-Xylene	5.0													U
Styrene	5.0													U
Bromoform	5.0													U
Isopropylbenzene	5.0													U
1,1,2,2-Tetrachloroethane	5.0													U
1,3-Dichlorobenzene	5.0													U
1,4-Dichlorobenzene	5.0													U
1,2-Dichlorobenzene	5.0													U
1,2-Dibromo-3-chloropropane	5.0													U
1,2,4-Trichlorobenzene	5.0													U
1,2,3-Trichlorobenzene	5.0													U

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SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH6
Location:	GW-0008
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	2.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	1.0													U
Chloromethane	1.0													U
Vinyl chloride	1.0													U
Bromomethane	1.0	U			J		J							
Chloroethane	1.0													U
Trichlorofluoromethane	1.0													U
1,1-Dichloroethene	1.0													U
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0													U
Acetone	10													U
Carbon disulfide	1.0													U
Methyl acetate	1.0													U
Methylene chloride	1.0													U
trans-1,2-Dichloroethene	1.0													U
Methyl tert-butyl ether	1.0													U
1,1-Dichloroethane	1.0													U
cis-1,2-Dichloroethene	1.0													U
2-Butanone	10													U
Bromochloromethane	1.0													U
Chloroform	1.0													U
1,1,1-Trichloroethane	1.0													U
Cyclohexane	1.0													U
Carbon tetrachloride	1.0													U
Benzene	1.0													U
1,2-Dichloroethane	1.0													U

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SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH6
Location:	GW-0008
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	2.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	60													
Methylcyclohexane	1.0													U
1,2-Dichloropropane	1.0													U
Bromodichloromethane	1.0													U
cis-1,3-Dichloropropene	1.0													U
4-Methyl-2-pentanone	10													U
Toluene	1.0													U
trans-1,3-Dichloropropene	1.0													U
1,1,2-Trichloroethane	1.0													U
Tetrachloroethene	1.0													U
2-Hexanone	10													U
Dibromochloromethane	1.0													U
1,2-Dibromoethane	1.0													U
Chlorobenzene	1.0													U
Ethylbenzene	1.0													U
o-Xylene	1.0													U
m,p-Xylene	1.0													U
Styrene	1.0													U
Bromoform	1.0													U
Isopropylbenzene	1.0													U
1,1,2,2-Tetrachloroethane	1.0													U
1,3-Dichlorobenzene	1.0													U
1,4-Dichlorobenzene	1.0													U
1,2-Dichlorobenzene	1.0													U
1,2-Dibromo-3-chloropropane	1.0													U
1,2,4-Trichlorobenzene	1.0													U
1,2,3-Trichlorobenzene	1.0													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH6DL
Location:	GW-0008
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	10.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	5.0													U
Chloromethane	5.0													U
Vinyl chloride	5.0													U
Bromomethane	5.0													U
Chloroethane	5.0													U
Trichlorofluoromethane	5.0													U
1,1-Dichloroethene	5.0													U
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0													U
Acetone	50													U
Carbon disulfide	5.0													U
Methyl acetate	5.0													U
Methylene chloride	5.0	U			J									
trans-1,2-Dichloroethene	5.0													U
Methyl tert-butyl ether	5.0													U
1,1-Dichloroethane	5.0													U
cis-1,2-Dichloroethene	5.0													U
2-Butanone	50													U
Bromochloromethane	5.0													U
Chloroform	5.0													U
1,1,1-Trichloroethane	5.0													U
Cyclohexane	5.0													U
Carbon tetrachloride	5.0													U
Benzene	5.0													U
1,2-Dichloroethane	5.0													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH6DL
Location:	GW-0008
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	10.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	70													
Methylcyclohexane	5.0													U
1,2-Dichloropropane	5.0													U
Bromodichloromethane	5.0													U
cis-1,3-Dichloropropene	5.0													U
4-Methyl-2-pentanone	50													U
Toluene	5.0													U
trans-1,3-Dichloropropene	5.0													U
1,1,2-Trichloroethane	5.0													U
Tetrachloroethene	5.0													U
2-Hexanone	50													U
Dibromochloromethane	5.0													U
1,2-Dibromoethane	5.0													U
Chlorobenzene	5.0													U
Ethylbenzene	5.0													U
o-Xylene	5.0													U
m,p-Xylene	5.0													U
Styrene	5.0													U
Bromoform	5.0													U
Isopropylbenzene	5.0													U
1,1,2,2-Tetrachloroethane	5.0													U
1,3-Dichlorobenzene	5.0													U
1,4-Dichlorobenzene	5.0													U
1,2-Dichlorobenzene	5.0													U
1,2-Dibromo-3-chloropropane	5.0													U
1,2,4-Trichlorobenzene	5.0													U
1,2,3-Trichlorobenzene	5.0													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
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LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
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TU=TUNE
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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH8
Location:	GW-0009
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50	U			J		J							
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.2													
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50													U
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH8
Location:	GW-0009
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.42				J									
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

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TU=TUNE
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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH9
Location:	GW-0010
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50	U			J		J							
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50	U			J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	4.2													
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH9
Location:	GW-0010
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.46				J									
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SJ2
Location:	GW-0011
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.32		J		J		J							
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50													U
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	1.2													
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SJ2
Location:	GW-0011
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	2.4													
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SJ4
Location:	GW-0012
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.32		J		J		J							
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50	U			J									
trans-1,2-Dichloroethene	0.62													
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	5.4													
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SJ4
Location:	GW-0012
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	3.0													
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.33				J									
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SJ6
Location:	GW-0013
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.35		J		J		J							
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50													U
trans-1,2-Dichloroethene	0.23				J									
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	1.7													
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SJ6
Location:	GW-0013
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	51													
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.40				J									
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SJ6DL
Location:	GW-0013
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	10.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	5.0													U
Chloromethane	5.0													U
Vinyl chloride	5.0													U
Bromomethane	5.0		UJ											U
Chloroethane	5.0													U
Trichlorofluoromethane	5.0													U
1,1-Dichloroethene	5.0													U
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0													U
Acetone	50													U
Carbon disulfide	5.0													U
Methyl acetate	5.0													U
Methylene chloride	5.0	U			J									
trans-1,2-Dichloroethene	5.0													U
Methyl tert-butyl ether	5.0													U
1,1-Dichloroethane	5.0													U
cis-1,2-Dichloroethene	5.0													U
2-Butanone	50													U
Bromochloromethane	5.0													U
Chloroform	5.0													U
1,1,1-Trichloroethane	5.0													U
Cyclohexane	5.0													U
Carbon tetrachloride	5.0													U
Benzene	5.0													U
1,2-Dichloroethane	5.0													U

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MS=Matrix Spikes
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NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SJ6DL
Location:	GW-0013
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	10.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	35													
Methylcyclohexane	5.0													U
1,2-Dichloropropane	5.0													U
Bromodichloromethane	5.0													U
cis-1,3-Dichloropropene	5.0													U
4-Methyl-2-pentanone	50													U
Toluene	5.0													U
trans-1,3-Dichloropropene	5.0													U
1,1,2-Trichloroethane	5.0													U
Tetrachloroethene	5.0													U
2-Hexanone	50													U
Dibromochloromethane	5.0													U
1,2-Dibromoethane	5.0													U
Chlorobenzene	5.0													U
Ethylbenzene	5.0													U
o-Xylene	5.0													U
m,p-Xylene	5.0													U
Styrene	5.0													U
Bromoform	5.0													U
Isopropylbenzene	5.0													U
1,1,2,2-Tetrachloroethane	5.0													U
1,3-Dichlorobenzene	5.0													U
1,4-Dichlorobenzene	5.0													U
1,2-Dichlorobenzene	5.0													U
1,2-Dibromo-3-chloropropane	5.0													U
1,2,4-Trichlorobenzene	5.0													U
1,2,3-Trichlorobenzene	5.0													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SJ7
Location:	GW-0015
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.53		J				J					J		
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50	U			J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SJ7
Location:	GW-0015
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

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SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SK1
Location:	GW-0014
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.28		J		J		J							
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50	U			J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	13													
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SK1
Location:	GW-0014
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	3.9													
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.67													
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK72
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50													U
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.46				J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK72
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50		UJ											U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.11				J									

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK74
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50													U
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.26				J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK74
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.13				J									
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.092				J									
1,2,3-Trichlorobenzene	0.11				J									

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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK4Y
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.40				J		J							
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.60													
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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SU=DMC/Surrogate
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK4Y
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK5A
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.39				J		J							
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.55													
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK5A
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK5C
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50		UJ											U
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50													U
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK5C
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK5E
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.36				J		J							
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.24				J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK5E
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

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DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VHBLK01
Location:	
Type:	Storage_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50													U
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.29				J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VHBLK01
Location:	
Type:	Storage_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #06

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Analytical Sample Listing

VOA_Trace

						Extraction		Analysis		
Sample Number	**Sample Type**	**Matrix**	**Level**	**Sampling Date**	**Date Received**	**Type**	**Date/Time**	**Date/Time**	**GC Column**	**Instrument**
E2SG1	Field_Sample	Water	TRACE	10/30/2012 12:30:00	10/31/2012 09:50:00			11/09/2012 18:24:00	RTX-VMS	B-5973
E2SG5	Field_Sample	Water	TRACE	10/30/2012 14:30:00	10/31/2012 09:50:00			11/09/2012 18:56:00	RTX-VMS	B-5973
E2SG5MS	Matrix_Spike	Water	TRACE	10/30/2012 14:30:00	10/31/2012 09:50:00			11/09/2012 19:28:00	RTX-VMS	B-5973
E2SG5MSD	Matrix_Spike_Duplicate	Water	TRACE	10/30/2012 14:30:00	10/31/2012 09:50:00			11/09/2012 20:01:00	RTX-VMS	B-5973
E2SG6	Field_Sample	Water	TRACE	11/01/2012 15:15:00	11/02/2012 10:00:00			11/12/2012 12:42:00	RTX-VMS	G-5973
E2SH0	Field_Sample	Water	TRACE	10/30/2012 15:30:00	10/31/2012 09:50:00			11/09/2012 17:52:00	RTX-VMS	B-5973
E2SH2	Field_Sample	Water	TRACE	10/31/2012 10:35:00	11/01/2012 10:10:00			11/10/2012 11:42:00	RTX-VMS	B-5973
E2SH2DL	Field_Sample	Water	TRACE	10/31/2012 10:35:00	11/01/2012 10:10:00			11/08/2012 18:00:00	RTX-VMS	G-5973
E2SH4	Field_Sample	Water	TRACE	10/31/2012 11:45:00	11/01/2012 10:10:00			11/08/2012 18:56:00	RTX-VMS	G-5973
E2SH4DL	Field_Sample	Water	TRACE	10/31/2012 11:45:00	11/01/2012 10:10:00			11/09/2012 16:08:00	RTX-VMS	G-5973
E2SH6	Field_Sample	Water	TRACE	10/31/2012 13:00:00	11/01/2012 10:10:00			11/08/2012 19:52:00	RTX-VMS	G-5973
E2SH6DL	Field_Sample	Water	TRACE	10/31/2012 13:00:00	11/01/2012 10:10:00			11/09/2012 16:36:00	RTX-VMS	G-5973
E2SH8	Field_Sample	Water	TRACE	10/31/2012 14:20:00	11/01/2012 10:10:00			11/08/2012 17:32:00	RTX-VMS	G-5973
E2SH9	Field_Sample	Water	TRACE	10/31/2012 15:15:00	11/01/2012 10:10:00			11/09/2012 15:30:00	RTX-VMS	G-5973
E2SJ2	Field_Sample	Water	TRACE	11/01/2012 10:15:00	11/02/2012 10:00:00			11/12/2012 13:10:00	RTX-VMS	G-5973
E2SJ4	Field_Sample	Water	TRACE	11/01/2012 10:15:00	11/02/2012 10:00:00			11/12/2012 13:38:00	RTX-VMS	G-5973
E2SJ6	Field_Sample	Water	TRACE	11/01/2012 12:15:00	11/02/2012 10:00:00			11/12/2012 14:34:00	RTX-VMS	G-5973
E2SJ6DL	Field_Sample	Water	TRACE	11/01/2012 12:15:00	11/02/2012 10:00:00			11/12/2012 18:20:00	RTX-VMS	G-5973
E2SJ7	Field_Sample	Water	TRACE	11/01/2012 13:30:00	11/02/2012 10:00:00			11/12/2012 14:06:00	RTX-VMS	G-5973
E2SK1	Field_Sample	Water	TRACE	11/01/2012 12:30:00	11/02/2012 10:00:00			11/12/2012 16:46:00	RTX-VMS	G-5973

National Functional Guidelines Report #7

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Calibration Outliers

VOA_Trace InstrumentID=B-5973 Column=RTX-VMS Run-Batch=B42008

				Outliers					MeanRRF		%RSD		%D		ASSOCIATED SAMPLES		
QC Type	**Lab File ID**	**Analysis Date/Time**	**Outliers Compound**	**RRF 0.5**	**RRF 1**	**RRF 5**	**RRF 10**	**RRF 20**	**Lab**	**NFG**	**Lab**	**NFG**	**Lab**	**NFG**	**Associated Samples**	**Associated Lab File ID**	**Associated Analysis Date/Time**
Continuing Calibration Verification	B42026	11/09/2012 09:28:00	Bromoform										-34.2	-34.2	VBLK72	B42028	11/09/2012 10:55:00
															E2SH0	B42038	11/09/2012 17:52:00
															E2SG1	B42039	11/09/2012 18:24:00
															E2SG5	B42040	11/09/2012 18:56:00
															E2SG5MS	B42041	11/09/2012 19:28:00
															E2SG5MSD	B42042	11/09/2012 20:01:00

National Functional Guidelines Report #7

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Calibration Outliers

VOA_Trace InstrumentID=G-5973 Column=RTX-VMS Run-Batch=G21548

				Outliers					MeanRRF		%RSD		%D		ASSOCIATED SAMPLES		
QC Type	**Lab File ID**	**Analysis Date/Time**	**Outliers Compound**	**RRF 0.5**	**RRF 1**	**RRF 5**	**RRF 10**	**RRF 20**	**Lab**	**NFG**	**Lab**	**NFG**	**Lab**	**NFG**	**Associated Samples**	**Associated Lab File ID**	**Associated Analysis Date/Time**
Initial Calibration	G21548	11/05/2012 20:39:00	Bromomethane								35.7	35.7			VBLK4Y	G21579	11/08/2012 09:47:00
															E2SH8	G21593	11/08/2012 17:32:00
															E2SH2DL	G21594	11/08/2012 18:00:00
															E2SH4	G21596	11/08/2012 18:56:00
															E2SH6	G21598	11/08/2012 19:52:00
															VBLK5A	G21602	11/09/2012 14:34:00
															E2SH9	G21604	11/09/2012 15:30:00
															E2SH4DL	G21605	11/09/2012 16:08:00
															E2SH6DL	G21606	11/09/2012 16:36:00
															VBLK5C	G21619	11/12/2012 12:00:00
															E2SG6	G21620	11/12/2012 12:42:00
															E2SJ2	G21621	11/12/2012 13:10:00
															E2SJ4	G21622	11/12/2012 13:38:00
															E2SJ7	G21623	11/12/2012 14:06:00
															E2SJ6	G21624	11/12/2012 14:34:00
															E2SK1	G21627	11/12/2012 16:46:00
															E2SJ6DL	G21630	11/12/2012 18:20:00
															VBLK5E	G21638	11/12/2012 23:09:00
															VHBLK01	G21639	11/12/2012 23:40:00
Continuing Calibration	G21617	11/12/2012 09:56:00	Bromomethane										-38.6	-38.6	VBLK5C	G21619	11/12/2012 12:00:00

National Functional Guidelines Report #7

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Calibration Outliers

VOA_Trace InstrumentID=G-5973 Column=RTX-VMS Run-Batch=G21548

				Outliers					MeanRRF		%RSD		%D		ASSOCIATED SAMPLES		
QC Type	**Lab File ID**	**Analysis Date/Time**	**Outliers Compound**	**RRF 0.5**	**RRF 1**	**RRF 5**	**RRF 10**	**RRF 20**	**Lab**	**NFG**	**Lab**	**NFG**	**Lab**	**NFG**	**Associated Samples**	**Associated Lab File ID**	**Associated Analysis Date/Time**
Verification																	
															E2SG6	G21620	11/12/2012 12:42:00
															E2SJ2	G21621	11/12/2012 13:10:00
															E2SJ4	G21622	11/12/2012 13:38:00
															E2SJ7	G21623	11/12/2012 14:06:00
															E2SJ6	G21624	11/12/2012 14:34:00
															E2SK1	G21627	11/12/2012 16:46:00
															E2SJ6DL	G21630	11/12/2012 18:20:00

National Functional Guidelines Report #8

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Analytical Sequence

VOA_Trace

QC	Analysis	Date/Time	Matrix	Level	Dilution Factor	File ID	Instrument ID	Column ID	Run Batch	Analysis Batch	Analysis Batch End	Preparation Batch	Clean Up Batch	Storage Batch
IPC	BFB4T	11/05/2012 17:50:00				G21543	G-5973	RTX-VMS	G21548	G21543				
ICAL	VSTD0204T	11/05/2012 18:16:00				G21544	G-5973	RTX-VMS	G21548	G21543				
ICAL	VSTD0104T	11/05/2012 19:13:00				G21545	G-5973	RTX-VMS	G21548	G21543				
ICAL	VSTD0054T	11/05/2012 19:41:00				G21546	G-5973	RTX-VMS	G21548	G21543				
ICAL	VSTD0014T	11/05/2012 20:11:00				G21547	G-5973	RTX-VMS	G21548	G21543				
ICAL	VSTD0.54T	11/05/2012 20:39:00				G21548	G-5973	RTX-VMS	G21548	G21543				
IPC	BFB4Y	11/08/2012 09:02:00				G21577	G-5973	RTX-VMS	G21548	G21577				
CCV	VSTD0054Y	11/08/2012 09:18:00				G21578	G-5973	RTX-VMS	G21548	G21577	G21578			
MB	VBLK4Y	11/08/2012 09:47:00	Water	TRACE	1.0	G21579	G-5973	RTX-VMS	G21548	G21577	G21599	G21579		G21639
IPC	BFB70	11/08/2012 10:02:00				B42003	B-5973	RTX-VMS	B42008	B42003				
ICAL	VSTD02070	11/08/2012 10:14:00				B42004	B-5973	RTX-VMS	B42008	B42003				
ICAL	VSTD01070	11/08/2012 10:46:00				B42005	B-5973	RTX-VMS	B42008	B42003				
ICAL	VSTD00570	11/08/2012 11:19:00				B42006	B-5973	RTX-VMS	B42008	B42003				
ICAL	VSTD00170	11/08/2012 11:53:00				B42007	B-5973	RTX-VMS	B42008	B42003				
ICAL	VSTD0.570	11/08/2012 12:26:00				B42008	B-5973	RTX-VMS	B42008	B42003				
FS	E2SH8	11/08/2012 17:32:00	Water	TRACE	1.0	G21593	G-5973	RTX-VMS	G21548	G21577	G21599	G21579		G21639
FS	E2SH2DL	11/08/2012 18:00:00	Water	TRACE	5.0	G21594	G-5973	RTX-VMS	G21548	G21577	G21599	G21579		G21639
FS	E2SH4	11/08/2012 18:56:00	Water	TRACE	4.0	G21596	G-5973	RTX-VMS	G21548	G21577	G21599	G21579		G21639
MIB	VIBLK04	11/08/2012 19:24:00	Water	TRACE	1.0	G21597	G-5973	RTX-VMS	G21548	G21577	G21599	G21579		G21639
FS	E2SH6	11/08/2012 19:52:00	Water	TRACE	2.0	G21598	G-5973	RTX-VMS	G21548	G21577	G21599	G21579		G21639
CCV	VSTD0054Z	11/08/2012 20:20:00				G21599	G-5973	RTX-VMS	G21548	G21599	G21599			
IPC	BFB5A	11/09/2012 09:14:00				G21600	G-5973	RTX-VMS	G21548	G21600				
IPC	BFB72	11/09/2012 09:15:00				B42025	B-5973	RTX-VMS	B42008	B42025				
CCV	VSTD00572	11/09/2012 09:28:00				B42026	B-5973	RTX-VMS	B42008	B42025	B42026			
CCV	VSTD0055A	11/09/2012 09:30:00				G21601	G-5973	RTX-VMS	G21548	G21600	G21601			

National Functional Guidelines Report #8

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Analytical Sequence

VOA_Trace

QC	Analysis	Date/Time	Matrix	Level	Dilution Factor	File ID	Instrument ID	Column ID	Run Batch	Analysis Batch	Analysis Batch End	Preparation Batch	Clean Up Batch	Storage Batch
MB	VBLK72	11/09/2012 10:55:00	Water	TRACE	1.0	B42028	B-5973	RTX-VMS	B42008	B42025	B42043	B42028		G21639
MB	VBLK5A	11/09/2012 14:34:00	Water	TRACE	1.0	G21602	G-5973	RTX-VMS	G21548	G21600	G21614	G21602		G21639
FS	E2SH9	11/09/2012 15:30:00	Water	TRACE	1.0	G21604	G-5973	RTX-VMS	G21548	G21600	G21614	G21602		G21639
FS	E2SH4DL	11/09/2012 16:08:00	Water	TRACE	10.0	G21605	G-5973	RTX-VMS	G21548	G21600	G21614	G21602		G21639
FS	E2SH6DL	11/09/2012 16:36:00	Water	TRACE	10.0	G21606	G-5973	RTX-VMS	G21548	G21600	G21614	G21602		G21639
FS	E2SH0	11/09/2012 17:52:00	Water	TRACE	1.0	B42038	B-5973	RTX-VMS	B42008	B42025	B42043	B42028		G21639
FS	E2SG1	11/09/2012 18:24:00	Water	TRACE	1.0	B42039	B-5973	RTX-VMS	B42008	B42025	B42043	B42028		G21639
FS	E2SG5	11/09/2012 18:56:00	Water	TRACE	1.0	B42040	B-5973	RTX-VMS	B42008	B42025	B42043	B42028		G21639
MS	E2SG5MS	11/09/2012 19:28:00	Water	TRACE	1.0	B42041	B-5973	RTX-VMS	B42008	B42025	B42043	B42028		G21639
MSD	E2SG5MSD	11/09/2012 20:01:00	Water	TRACE	1.0	B42042	B-5973	RTX-VMS	B42008	B42025	B42043	B42028		G21639
CCV	VSTD0055B	11/09/2012 20:25:00				G21614	G-5973	RTX-VMS	G21548	G21614	G21614			
CCV	VSTD00573	11/09/2012 20:34:00				B42043	B-5973	RTX-VMS	B42008	B42043	B42043			
IPC	BFB74	11/10/2012 09:35:00				B42044	B-5973	RTX-VMS	B42008	B42044				
CCV	VSTD00574	11/10/2012 09:46:00				B42045	B-5973	RTX-VMS	B42008	B42044	B42045			
MB	VBLK74	11/10/2012 11:09:00	Water	TRACE	1.0	B42047	B-5973	RTX-VMS	B42008	B42044	B42063	B42047		G21639
FS	E2SH2	11/10/2012 11:42:00	Water	TRACE	4.0	B42048	B-5973	RTX-VMS	B42008	B42044	B42063	B42047		G21639
CCV	VSTD00575	11/10/2012 19:50:00				B42063	B-5973	RTX-VMS	B42008	B42063	B42063			
IPC	BFB5C	11/12/2012 09:41:00				G21616	G-5973	RTX-VMS	G21548	G21616				
CCV	VSTD0055C	11/12/2012 09:56:00				G21617	G-5973	RTX-VMS	G21548	G21616	G21617			
MB	VBLK5C	11/12/2012 12:00:00	Water	TRACE	1.0	G21619	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
FS	E2SG6	11/12/2012 12:42:00	Water	TRACE	1.0	G21620	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
FS	E2SJ2	11/12/2012 13:10:00	Water	TRACE	1.0	G21621	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
FS	E2SJ4	11/12/2012 13:38:00	Water	TRACE	1.0	G21622	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639

National Functional Guidelines Report #8

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Analytical Sequence

VOA_Trace

QC	Analysis	Date/Time	Matrix	Level	Dilution Factor	File ID	Instrument ID	Column ID	Run Batch	Analysis Batch	Analysis Batch End	Preparation Batch	Clean Up Batch	Storage Batch
FS	E2SJ7	11/12/2012 14:06:00	Water	TRACE	1.0	G21623	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
FS	E2SJ6	11/12/2012 14:34:00	Water	TRACE	1.0	G21624	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
MIB	VIBLK30	11/12/2012 16:07:00	Water	TRACE	1.0	G21626	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
FS	E2SK1	11/12/2012 16:46:00	Water	TRACE	1.0	G21627	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
FS	E2SJ6DL	11/12/2012 18:20:00	Water	TRACE	10.0	G21630	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
CCV	VSTD0055D	11/12/2012 20:42:00				G21635	G-5973	RTX-VMS	G21548	G21635	G21635			
IPC	BFB5E	11/12/2012 22:16:00				G21636	G-5973	RTX-VMS	G21548	G21636				
CCV	VSTD0055E	11/12/2012 22:31:00				G21637	G-5973	RTX-VMS	G21548	G21636	G21637			
MB	VBLK5E	11/12/2012 23:09:00	Water	TRACE	1.0	G21638	G-5973	RTX-VMS	G21548	G21636	G21657	G21638		G21639
SB	VHBLK01	11/12/2012 23:40:00	Water	TRACE	1.0	G21639	G-5973	RTX-VMS	G21548	G21636	G21657	G21638		G21639
CCV	VSTD0055F	11/13/2012 08:25:00				G21657	G-5973	RTX-VMS	G21548	G21657	G21657			

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SG1 Location=GW-0001 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.16	1.4	UG/L	J
	Unknown-02	2.70	1.4	UG/L	J
	Unknown-03	2.97	1.5	UG/L	J
	Unknown-04	4.28	1.1	UG/L	J
	Unknown-05	5.04	1.0	UG/L	J
	Unknown-06	5.95	0.59	UG/L	J
	Unknown-07	7.31	0.39	UG/L	J
	Unknown-08	7.80	0.35	UG/L	J
	Unknown-09	10.71	11	UG/L	J
	Unknown-10	10.91	0.36	UG/L	J
	Unknown-11	11.62	0.33	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SG5 Location=GW-0003 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.71	11	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SG6 Location=GW-0016 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.90	0.59	UG/L	J
	Unknown-02	2.95	0.61	UG/L	J
	Unknown-03	10.75	8.3	UG/L	J
	Unknown-04	10.95	0.50	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SH0 Location=GW-0002 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.58	2.4	UG/L	J
	Unknown-02	2.71	0.36	UG/L	J
	Unknown-03	2.91	0.91	UG/L	J
	Unknown-04	4.73	0.29	UG/L	J
	Unknown-05	5.05	0.32	UG/L	J
	Unknown-06	10.71	11	UG/L	J
	Unknown-07	11.62	0.27	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SH2 Location=GW-0006 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.16	8.6	UG/L	J
000078-78-4	Butane, 2-methyl-	2.69	5.3	UG/L	NJ
	Unknown-02	2.95	5.6	UG/L	J
	Unknown-03	4.26	3.5	UG/L	J
	Unknown-04	10.71	38	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SH2DL Location=GW-0006 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.79	28	UG/L	DJ

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SH4 Location=GW-0007 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.78	27	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SH4DL Location=GW-0007 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.78	70	UG/L	DJB

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SH6 Location=GW-0008 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.78	13	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SH6DL Location=GW-0008 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.79	73	UG/L	DJ

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SH8 Location=GW-0009 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.78	6.6	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SH9 Location=GW-0010 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.79	7.7	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SJ2 Location=GW-0011 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.75	7.8	UG/L	JB

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SJ4 Location=GW-0012 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.05	0.99	UG/L	J
	Unknown-02	2.19	0.52	UG/L	J
	Unknown-03	3.00	1.1	UG/L	J
	Unknown-04	4.32	0.55	UG/L	J
	Unknown-05	10.76	7.5	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SJ6 Location=GW-0013 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.05	1.1	UG/L	J
	Unknown-02	10.75	7.4	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SJ6DL Location=GW-0013 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	5.38	20	UG/L	DJ
	Unknown-02	10.75	59	UG/L	DJ

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SJ7 Location=GW-0015 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.05	0.83	UG/L	J
	Unknown-02	10.76	7.8	UG/L	J
	Unknown-03	11.16	0.80	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SK1 Location=GW-0014 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.11	0.52	UG/L	J
	Unknown-02	2.91	1.1	UG/L	J
	Unknown-03	10.76	6.1	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=VBLK4Y Location= Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.77	6.5	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=VBLK5A Location= Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.78	8.4	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=VBLK5C Location= Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.04	1.1	UG/L	J
	Unknown-02	10.75	6.3	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=VBLK5E Location= Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.91	0.58	UG/L	J
	Unknown-02	5.37	1.3	UG/L	J
	Unknown-03	10.74	6.7	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=VBLK72 Location= Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.70	9.2	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=VBLK74 Location= Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.71	9.1	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=VHBLK01 Location= Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.74	6.5	UG/L	JB

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=VIBLK04 Location= Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.78	7.8	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=VIBLK30 Location= Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.05	0.87	UG/L	J
	Unknown-02	2.91	1.2	UG/L	J
	Unknown-03	10.75	8.3	UG/L	J

National Functional Guidelines Report #11

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Identification Summary for Single & Multi Component Analytes

NONE FOUND

National Functional Guidelines Report #12

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Blank Contaminant Results

VOA_Trace QC=Method_Blank Matrix=Water Level=TRACE Instrument=B-5973 Column=RTX-VMS

Compound		Sample	Conc.	Unit	CRQL	Unit	Lab Flag		Blank	Conc.	Unit	CRQL	Unit	Lab Flag
1,2,3-Trichlorobenzene		E2SG1	0.10	ug/L	0.50	UG/L	JB		VBLK72	0.10	UG/L	0.50	UG/L	J
Methylene chloride			0.20		0.50		JB			0.50		1.0		J
1,2,3-Trichlorobenzene		E2SG5		ug/L	0.50	UG/L	U		VBLK72	0.10	UG/L	0.50	UG/L	J
Methylene chloride			0.20		0.50		JB			0.50		1.0		J
1,2,3-Trichlorobenzene		E2SG5MS		ug/L	0.50	UG/L	U		VBLK72	0.10	UG/L	0.50	UG/L	J
Methylene chloride			0.30		0.50		JB			0.50		1.0		J
1,2,3-Trichlorobenzene		E2SG5MSD		ug/L	0.50	UG/L	U		VBLK72	0.10	UG/L	0.50	UG/L	J
Methylene chloride			0.30		0.50		JB			0.50		1.0		J
1,2,3-Trichlorobenzene		E2SH0	0.40	ug/L	0.50	UG/L	JB		VBLK72	0.10	UG/L	0.50	UG/L	J
Methylene chloride			0.30		0.50		JB			0.50		1.0		J
1,2,3-Trichlorobenzene		E2SH2		ug/L	2.0	UG/L	U		VBLK74	0.10	UG/L	0.50	UG/L	J
1,2,4-Trichlorobenzene			0.40		2.0		JB			0.10		0.50		J
Chlorobenzene					2.0		U			0.10		0.50		J
Methylene chloride			1.5		2.0		JB			0.30		1.0		J

National Functional Guidelines Report #12

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Blank Contaminant Results

VOA_Trace QC=Method_Blank Matrix=Water Level=TRACE Instrument=G-5973 Column=RTX-VMS

Compound		Sample	Conc.	Unit	CRQL	Unit	Lab Flag		Blank	Conc.	Unit	CRQL	Unit	Lab Flag
Bromomethane		E2SH2DL		ug/L	2.5	UG/L	U		VBLK4Y	0.40	UG/L	0.50	UG/L	J
Methylene chloride					2.5		U			0.60		1.0		
Bromomethane		E2SH4		ug/L	2.0	UG/L	U		VBLK4Y	0.40	UG/L	0.50	UG/L	J
Methylene chloride					2.0		U			0.60		1.0		
Bromomethane		E2SH6	0.60	ug/L	1.0	UG/L	JB		VBLK4Y	0.40	UG/L	0.50	UG/L	J
Methylene chloride					1.0		U			0.60		1.0		
Bromomethane		E2SH8	0.40	ug/L	0.50	UG/L	JB		VBLK4Y	0.40	UG/L	0.50	UG/L	J
Methylene chloride					0.50		U			0.60		1.0		
Bromomethane		E2SH4DL		ug/L	5.0	UG/L	U		VBLK5A	0.40	UG/L	0.50	UG/L	J
Methylene chloride			4.6		5.0		DJB			0.50		1.0		
Bromomethane		E2SH6DL		ug/L	5.0	UG/L	U		VBLK5A	0.40	UG/L	0.50	UG/L	J
Methylene chloride			5.0		5.0		DJB			0.50		1.0		
Bromomethane		E2SH9	0.30	ug/L	0.50	UG/L	JB		VBLK5A	0.40	UG/L	0.50	UG/L	J
Methylene chloride			0.40		0.50		JB			0.50		1.0		

National Functional Guidelines Report #12

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Blank Contaminant Results

VOA_Trace QC=Method_Instrument_Blank Matrix=Water Level=TRACE Instrument=G-5973 Column=RTX-VMS

Compound		Sample	Conc.	Unit	CRQL	Unit	Lab Flag		Blank	Conc.	Unit	CRQL	Unit	Lab Flag
Bromomethane		E2SH2DL		ug/L	2.5	UG/L	U		VIBLK04	0.40	UG/L	0.50	UG/L	JB
Bromomethane		E2SH4		ug/L	2.0	UG/L	U		VIBLK04	0.40	UG/L	0.50	UG/L	JB
Bromomethane		E2SH6	0.60	ug/L	1.0	UG/L	JB		VIBLK04	0.40	UG/L	0.50	UG/L	JB
Bromomethane		E2SH8	0.40	ug/L	0.50	UG/L	JB		VIBLK04	0.40	UG/L	0.50	UG/L	JB
Bromomethane		E2SG6	0.40	ug/L	0.50	UG/L	J		VIBLK30	0.40	UG/L	0.50	UG/L	J
Methylene chloride					0.50		U			0.50		1.0		J
Bromomethane		E2SJ2	0.30	ug/L	0.50	UG/L	J		VIBLK30	0.40	UG/L	0.50	UG/L	J
Methylene chloride					0.50		U			0.50		1.0		J
Bromomethane		E2SJ4	0.30	ug/L	0.50	UG/L	J		VIBLK30	0.40	UG/L	0.50	UG/L	J
Methylene chloride			0.20		0.50		J			0.50		1.0		J
Bromomethane		E2SJ6	0.30	ug/L	0.50	UG/L	J		VIBLK30	0.40	UG/L	0.50	UG/L	J
Methylene chloride					0.50		U			0.50		1.0		J
Bromomethane		E2SJ6DL		ug/L	5.0	UG/L	U		VIBLK30	0.40	UG/L	0.50	UG/L	J
Methylene chloride			2.6		5.0		DJ			0.50		1.0		J
Bromomethane		E2SJ7	0.50	ug/L	0.50	UG/L			VIBLK30	0.40	UG/L	0.50	UG/L	J
Methylene chloride			0.20		0.50		J			0.50		1.0		J

National Functional Guidelines Report #12

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Blank Contaminant Results

VOA_Trace QC=Method_Instrument_Blank Matrix=Water Level=TRACE Instrument=G-5973 Column=RTX-VMS

Compound		Sample	Conc.	Unit	CRQL	Unit	Lab Flag		Blank	Conc.	Unit	CRQL	Unit	Lab Flag
Bromomethane		E2SK1	0.30	ug/L	0.50	UG/L	J		VIBLK30	0.40	UG/L	0.50	UG/L	J
Methylene chloride			0.40		0.50		J			0.50		1.0		J

National Functional Guidelines Report #12

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Blank Contaminant Results

VOA_Trace QC=Storage_Blank Matrix=Water Level=TRACE Instrument=G-5973 Column=RTX-VMS

Compound		Sample	Conc.	Unit	CRQL	Unit	Lab Flag		Blank	Conc.	Unit	CRQL	Unit	Lab Flag
Methylene chloride		E2SG1	0.20	ug/L	0.50	UG/L	JB		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SG5	0.20	ug/L	0.50	UG/L	JB		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SG5MS	0.30	ug/L	0.50	UG/L	JB		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SG5MSD	0.30	ug/L	0.50	UG/L	JB		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SG6		ug/L	0.50	UG/L	U		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SH0	0.30	ug/L	0.50	UG/L	JB		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SH2	1.5	ug/L	2.0	UG/L	JB		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SH2DL		ug/L	2.5	UG/L	U		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SH4		ug/L	2.0	UG/L	U		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SH4DL	4.6	ug/L	5.0	UG/L	DJB		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SH6		ug/L	1.0	UG/L	U		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SH6DL	5.0	ug/L	5.0	UG/L	DJB		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SH8		ug/L	0.50	UG/L	U		VHBLK01	0.30	UG/L	1.0	UG/L	JB

National Functional Guidelines Report #12

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Blank Contaminant Results

VOA_Trace QC=Storage_Blank Matrix=Water Level=TRACE Instrument=G-5973 Column=RTX-VMS

Compound		Sample	Conc.	Unit	CRQL	Unit	Lab Flag		Blank	Conc.	Unit	CRQL	Unit	Lab Flag
Methylene chloride		E2SH9	0.40	ug/L	0.50	UG/L	JB		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SJ2		ug/L	0.50	UG/L	U		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SJ4	0.20	ug/L	0.50	UG/L	J		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SJ6		ug/L	0.50	UG/L	U		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SJ6DL	2.6	ug/L	5.0	UG/L	DJ		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SJ7	0.20	ug/L	0.50	UG/L	J		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SK1	0.40	ug/L	0.50	UG/L	J		VHBLK01	0.30	UG/L	1.0	UG/L	JB

National Functional Guidelines Report #13

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

MS/ MSD Recoveries

VOA_Trace OriginalSample=E2SG5 Level=TRACE Matrix=Water GC Column=RTX-VMS

Sample	Analysis Date/Time	Compound Name	Spike Added		Original Sample Conc		MS/MSD Conc		Lab %R	Lab RPD	NFG Calculated %R	NFG Calculated RPD
E2SG5MS	11/09/2012 19:28:00	1,1-Dichloroethene	5	UG/L		UG/L	3.4	UG/L	67	13	67	
		Benzene	5				4.5		89	1	89	
		Chlorobenzene	5				4.8		96	7	96	
		Toluene	5				5.7		114	12	114	
		Trichloroethene	5				4.3		87	2	87	
E2SG5MSD	11/09/2012 20:01:00	1,1-Dichloroethene	5				3.8		76	13	76	13
		Benzene	5				4.4		89	1	89	1
		Chlorobenzene	5				5.2		103	7	103	7
		Toluene	5				5.1		101	12	101	12
		Trichloroethene	5				4.4		89	2	89	2

National Functional Guidelines Report #14

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

LCS Recoveries

NONE FOUND

National Functional Guidelines Report #15

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

System Performance
Resolution Check Mixture Data Summary

NONE FOUND

National Functional Guidelines Report #16

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Initial Calibration Data Summary

VOA_Trace 1A Initial_Calibration InstrumentID=B-5973 Column=RTX-VMS HeatedPurge=N/A RRF-20.0

		RRF-0.5 VSTD0.570 B42008 11/08/2012 12:26:00	RRF-1 VSTD00170 B42007 11/08/2012 11:53:00	RRF-5 VSTD00570 B42006 11/08/2012 11:19:00	RRF-10 VSTD01070 B42005 11/08/2012 10:46:00	RRF-20 VSTD02070 B42004 11/08/2012 10:14:00	Lab Reported		NFG Calculated	
Compound	**Peak ID**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**Avg RRF/CF**	**%RSD**	**Avg RRF/CF**	**%RSD**
Dichlorodifluoromethane	85	0.426	0.432	0.434	0.440	0.444	0.435	1.6	0.435	1.6
Chloromethane	50	1.004	0.894	0.867	0.843	0.839	0.889	7.6	0.889	7.6
Vinyl chloride	62	0.816	0.789	0.782	0.761	0.764	0.782	2.8	0.782	2.8
Bromomethane	94	0.455	0.390	0.461	0.444	0.399	0.430	7.7	0.430	7.7
Chloroethane	64	0.183	0.143	0.139	0.141	0.124	0.146	15.0	0.146	15.0
Trichlorofluoromethane	101	0.683	0.676	0.634	0.616	0.581	0.638	6.7	0.638	6.7
1,1-Dichloroethene	96	0.692	0.584	0.639	0.616	0.626	0.631	6.3	0.631	6.3
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.681	0.629	0.633	0.619	0.622	0.637	4.0	0.637	4.0
Acetone	43	0.142	0.132	0.120	0.118	0.111	0.125	9.8	0.125	9.8
Carbon disulfide	76	2.543	2.482	2.427	2.334	2.339	2.425	3.7	2.425	3.7
Methyl acetate	43	0.701	0.473	0.466	0.445	0.409	0.499	23.2	0.499	23.2
Methylene chloride	84	1.084	0.980	1.273	1.207	1.157	1.140	9.9	1.140	9.9
trans-1,2-Dichloroethene	96	0.659	0.657	0.687	0.668	0.697	0.673	2.6	0.673	2.6
Methyl tert-butyl ether	73	1.033	0.951	1.170	1.141	1.174	1.094	9.0	1.094	9.0
1,1-Dichloroethane	63	1.404	1.245	1.308	1.252	1.287	1.299	4.9	1.299	4.9
cis-1,2-Dichloroethene	96	0.674	0.655	0.690	0.682	0.717	0.684	3.3	0.684	3.3
2-Butanone	43	0.241	0.210	0.219	0.209	0.196	0.215	7.7	0.215	7.7
Bromochloromethane	128	0.290	0.287	0.278	0.273	0.270	0.280	3.1	0.280	3.1
Chloroform	83	1.225	1.098	1.071	1.010	1.027	1.086	7.9	1.086	7.9
1,1,1-Trichloroethane	97	0.859	0.817	0.832	0.779	0.785	0.814	4.1	0.814	4.1
Cyclohexane	56	1.118	1.138	1.239	1.235	1.237	1.193	5.1	1.193	5.1
Carbon tetrachloride	117	0.623	0.598	0.635	0.601	0.619	0.615	2.6	0.615	2.6
Benzene	78	3.050	2.728	2.807	2.661	2.637	2.777	6.0	2.777	6.0
1,2-Dichloroethane	62	0.658	0.655	0.682	0.656	0.672	0.664	1.8	0.664	1.8

National Functional Guidelines Report #16

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Initial Calibration Data Summary

VOA_Trace 1A Initial_Calibration InstrumentID=G-5973 Column=RTX-VMS HeatedPurge=N/A RRF-20.0

		RRF-0.5 VSTD0.54T G21548 11/05/2012 20:39:00	RRF-1 VSTD0014T G21547 11/05/2012 20:11:00	RRF-5 VSTD0054T G21546 11/05/2012 19:41:00	RRF-10 VSTD0104T G21545 11/05/2012 19:13:00	RRF-20 VSTD0204T G21544 11/05/2012 18:16:00	Lab Reported		NFG Calculated	
Compound	**Peak ID**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**Avg RRF/CF**	**%RSD**	**Avg RRF/CF**	**%RSD**
Dichlorodifluoromethane	85	0.540	0.574	0.558	0.578	0.561	0.562	2.7	0.562	2.7
Chloromethane	50	0.659	0.660	0.551	0.540	0.533	0.588	11.0	0.588	11.0
Vinyl chloride	62	0.430	0.465	0.464	0.478	0.440	0.455	4.3	0.455	4.3
Bromomethane	94	0.492	0.354	0.260	0.242	0.221	0.314	35.7	0.314	35.7
Chloroethane	64	0.163	0.142	0.130	0.122	0.127	0.137	12.2	0.137	12.2
Trichlorofluoromethane	101	0.636	0.699	0.673	0.667	0.601	0.655	5.7	0.655	5.7
1,1-Dichloroethene	96	0.361	0.398	0.409	0.430	0.415	0.402	6.5	0.402	6.5
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.381	0.437	0.430	0.454	0.446	0.430	6.6	0.430	6.6
Acetone	43	0.125	0.094	0.080	0.087	0.079	0.093	20.1	0.093	20.1
Carbon disulfide	76	1.053	1.156	1.233	1.350	1.332	1.225	10.1	1.225	10.1
Methyl acetate	43	0.500	0.323	0.282	0.292	0.260	0.331	29.2	0.331	29.2
Methylene chloride	84	0.855	0.596	0.638	0.659	0.788	0.707	15.5	0.707	15.5
trans-1,2-Dichloroethene	96	0.425	0.434	0.432	0.456	0.442	0.438	2.7	0.438	2.7
Methyl tert-butyl ether	73	0.802	0.840	0.911	1.031	0.992	0.915	10.6	0.915	10.6
1,1-Dichloroethane	63	0.786	0.853	0.819	0.866	0.841	0.833	3.8	0.833	3.8
cis-1,2-Dichloroethene	96	0.408	0.421	0.431	0.463	0.451	0.435	5.1	0.435	5.1
2-Butanone	43	0.176	0.142	0.136	0.153	0.136	0.149	11.4	0.149	11.4
Bromochloromethane	128	0.179	0.194	0.198	0.211	0.199	0.196	5.9	0.196	5.9
Chloroform	83	0.736	0.792	0.789	0.833	0.816	0.793	4.7	0.793	4.7
1,1,1-Trichloroethane	97	0.648	0.698	0.767	0.800	0.802	0.743	9.1	0.743	9.1
Cyclohexane	56	0.645	0.742	0.877	0.927	0.924	0.823	15.1	0.823	15.1
Carbon tetrachloride	117	0.543	0.605	0.643	0.688	0.695	0.635	10.0	0.635	10.0
Benzene	78	1.666	1.785	1.872	1.936	1.880	1.828	5.8	1.828	5.8
1,2-Dichloroethane	62	0.534	0.580	0.571	0.614	0.590	0.578	5.1	0.578	5.1

National Functional Guidelines Report #16

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Initial Calibration Data Summary

VOA_Trace 1B Initial_Calibration InstrumentID=B-5973 Column=RTX-VMS HeatedPurge=N/A RRF-20.0

		RRF-0.5 VSTD0.570 B42008 11/08/2012 12:26:00	RRF-1 VSTD00170 B42007 11/08/2012 11:53:00	RRF-5 VSTD00570 B42006 11/08/2012 11:19:00	RRF-10 VSTD01070 B42005 11/08/2012 10:46:00	RRF-20 VSTD02070 B42004 11/08/2012 10:14:00	Lab Reported		NFG Calculated	
Compound	**Peak ID**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**Avg RRF/CF**	**%RSD**	**Avg RRF/CF**	**%RSD**
Trichloroethene	95	0.700	0.686	0.682	0.657	0.656	0.676	2.8	0.676	2.8
Methylcyclohexane	83	0.863	0.881	1.075	1.090	1.138	1.009	12.7	1.009	12.7
1,2-Dichloropropane	63	0.734	0.755	0.754	0.722	0.736	0.740	1.9	0.740	1.9
Bromodichloromethane	83	0.749	0.747	0.758	0.730	0.751	0.747	1.4	0.747	1.4
cis-1,3-Dichloropropene	75	0.807	0.878	0.972	0.971	0.991	0.924	8.5	0.924	8.5
4-Methyl-2-pentanone	43	0.405	0.424	0.462	0.437	0.380	0.422	7.3	0.422	7.3
Toluene	91	2.593	2.656	2.726	2.609	2.654	2.647	2.0	2.647	2.0
trans-1,3-Dichloropropene	75	0.691	0.654	0.746	0.747	0.768	0.721	6.6	0.721	6.6
1,1,2-Trichloroethane	97	0.540	0.535	0.523	0.502	0.503	0.521	3.4	0.521	3.4
Tetrachloroethene	164	0.538	0.492	0.501	0.490	0.495	0.503	4.0	0.503	4.0
2-Hexanone	43	0.411	0.416	0.379	0.349	0.301	0.371	12.8	0.371	12.8
Dibromochloromethane	129	0.424	0.408	0.481	0.456	0.482	0.450	7.4	0.450	7.4
1,2-Dibromoethane	107	0.444	0.431	0.486	0.478	0.483	0.464	5.4	0.464	5.4
Chlorobenzene	112	1.767	1.667	1.720	1.694	1.746	1.719	2.3	1.719	2.3
Ethylbenzene	91	2.571	2.660	3.015	2.950	3.010	2.841	7.4	2.841	7.4
o-Xylene	106	0.829	0.858	1.138	1.165	1.221	1.042	17.7	1.042	17.7
m,p-Xylene	106	0.943	0.968	1.215	1.213	1.269	1.121	13.7	1.121	13.7
Styrene	104	1.336	1.443	1.910	1.896	1.978	1.713	17.5	1.713	17.5
Bromoform	173	0.615	0.629	0.684	0.613	0.626	0.633	4.6	0.633	4.6
Isopropylbenzene	105	2.073	2.325	2.868	3.118	3.275	2.732	18.9	2.732	18.9
1,1,2,2-Tetrachloroethane	83	0.638	0.582	0.642	0.616	0.593	0.614	4.3	0.614	4.3
1,3-Dichlorobenzene	146	2.811	3.042	2.973	2.795	2.734	2.871	4.5	2.871	4.5
1,4-Dichlorobenzene	146	3.188	3.230	2.966	2.764	2.697	2.969	8.1	2.969	8.1
1,2-Dichlorobenzene	146	2.788	2.915	2.717	2.490	2.345	2.651	8.7	2.651	8.7

National Functional Guidelines Report #16

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Initial Calibration Data Summary

VOA_Trace 1B Initial_Calibration InstrumentID=B-5973 Column=RTX-VMS HeatedPurge=N/A RRF-20.0

		RRF-0.5 VSTD0.570 B42008 11/08/2012 12:26:00	RRF-1 VSTD00170 B42007 11/08/2012 11:53:00	RRF-5 VSTD00570 B42006 11/08/2012 11:19:00	RRF-10 VSTD01070 B42005 11/08/2012 10:46:00	RRF-20 VSTD02070 B42004 11/08/2012 10:14:00	Lab Reported		NFG Calculated	
Compound	**Peak ID**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**Avg RRF/CF**	**%RSD**	**Avg RRF/CF**	**%RSD**
1,2-Dibromo-3-chloropropane	75	0.188	0.174	0.181	0.169	0.157	0.174	6.7	0.174	6.7
1,2,4-Trichlorobenzene	180	1.122	1.402	1.235	1.176	1.176	1.222	8.9	1.222	8.9
1,2,3-Trichlorobenzene	180	1.047	1.205	1.024	0.943	0.941	1.032	10.4	1.032	10.4

National Functional Guidelines Report #16

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Initial Calibration Data Summary

VOA_Trace 1B Initial_Calibration InstrumentID=G-5973 Column=RTX-VMS HeatedPurge=N/A RRF-20.0

		RRF-0.5 VSTD0.54T G21548 11/05/2012 20:39:00	RRF-1 VSTD0014T G21547 11/05/2012 20:11:00	RRF-5 VSTD0054T G21546 11/05/2012 19:41:00	RRF-10 VSTD0104T G21545 11/05/2012 19:13:00	RRF-20 VSTD0204T G21544 11/05/2012 18:16:00	Lab Reported		NFG Calculated	
Compound	**Peak ID**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**Avg RRF/CF**	**%RSD**	**Avg RRF/CF**	**%RSD**
Trichloroethene	95	0.420	0.469	0.502	0.516	0.501	0.482	8.0	0.482	8.0
Methylcyclohexane	83	0.531	0.637	0.762	0.819	0.822	0.714	17.8	0.714	17.8
1,2-Dichloropropane	63	0.432	0.472	0.496	0.516	0.515	0.486	7.2	0.486	7.2
Bromodichloromethane	83	0.442	0.495	0.570	0.603	0.611	0.544	13.4	0.544	13.4
cis-1,3-Dichloropropene	75	0.514	0.630	0.757	0.818	0.813	0.706	18.6	0.706	18.6
4-Methyl-2-pentanone	43	0.313	0.266	0.323	0.355	0.331	0.318	10.3	0.318	10.3
Toluene	91	1.537	1.805	2.069	2.158	2.132	1.940	13.7	1.940	13.7
trans-1,3-Dichloropropene	75	0.513	0.588	0.672	0.724	0.700	0.639	13.7	0.639	13.7
1,1,2-Trichloroethane	97	0.332	0.320	0.357	0.380	0.363	0.351	6.8	0.351	6.8
Tetrachloroethene	164	0.328	0.360	0.389	0.408	0.394	0.376	8.5	0.376	8.5
2-Hexanone	43	0.264	0.244	0.261	0.262	0.262	0.258	3.2	0.258	3.2
Dibromochloromethane	129	0.295	0.326	0.373	0.410	0.414	0.364	14.3	0.364	14.3
1,2-Dibromoethane	107	0.285	0.305	0.330	0.353	0.341	0.323	8.5	0.323	8.5
Chlorobenzene	112	1.190	1.299	1.366	1.392	1.365	1.322	6.2	1.322	6.2
Ethylbenzene	91	1.772	2.037	2.381	2.477	2.468	2.227	14.0	2.227	14.0
o-Xylene	106	0.513	0.647	0.841	0.902	0.898	0.760	22.7	0.760	22.7
m,p-Xylene	106	0.594	0.721	0.891	0.944	0.935	0.817	18.8	0.817	18.8
Styrene	104	0.777	1.052	1.386	1.487	1.487	1.238	25.3	1.238	25.3
Bromoform	173	0.346	0.366	0.431	0.470	0.446	0.412	13.0	0.412	13.0
Isopropylbenzene	105	1.332	1.780	2.249	2.370	2.406	2.027	22.8	2.027	22.8
1,1,2,2-Tetrachloroethane	83	0.356	0.385	0.409	0.432	0.411	0.398	7.2	0.398	7.2
1,3-Dichlorobenzene	146	1.827	1.992	2.129	2.140	2.027	2.023	6.3	2.023	6.3
1,4-Dichlorobenzene	146	2.092	2.224	2.207	2.226	2.100	2.170	3.1	2.170	3.1
1,2-Dichlorobenzene	146	1.746	1.950	2.056	2.064	1.925	1.948	6.6	1.948	6.6

National Functional Guidelines Report #16

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Initial Calibration Data Summary

VOA_Trace 1B Initial_Calibration InstrumentID=G-5973 Column=RTX-VMS HeatedPurge=N/A RRF-20.0

		RRF-0.5 VSTD0.54T G21548 11/05/2012 20:39:00	RRF-1 VSTD0014T G21547 11/05/2012 20:11:00	RRF-5 VSTD0054T G21546 11/05/2012 19:41:00	RRF-10 VSTD0104T G21545 11/05/2012 19:13:00	RRF-20 VSTD0204T G21544 11/05/2012 18:16:00	Lab Reported		NFG Calculated	
Compound	**Peak ID**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**Avg RRF/CF**	**%RSD**	**Avg RRF/CF**	**%RSD**
1,2-Dibromo-3-chloropropane	75	0.123	0.133	0.126	0.134	0.125	0.128	3.7	0.128	3.7
1,2,4-Trichlorobenzene	180	0.702	0.884	0.956	1.044	1.054	0.928	15.5	0.928	15.5
1,2,3-Trichlorobenzene	180	0.542	0.705	0.777	0.891	0.893	0.761	19.2	0.761	19.2

National Functional Guidelines Report #16

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Initial Calibration Data Summary

VOA_Trace 6C Initial_Calibration InstrumentID=B-5973 Column=RTX-VMS HeatedPurge=N/A RRF-20.0

		RRF-0.5 VSTD0.570 B42008 11/08/2012 12:26:00	RRF-1 VSTD00170 B42007 11/08/2012 11:53:00	RRF-5 VSTD00570 B42006 11/08/2012 11:19:00	RRF-10 VSTD01070 B42005 11/08/2012 10:46:00	RRF-20 VSTD02070 B42004 11/08/2012 10:14:00	Lab Reported		NFG Calculated	
Compound	**Peak ID**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**Avg RRF/CF**	**%RSD**	**Avg RRF/CF**	**%RSD**
Vinyl chloride-d3	65	0.940	0.923	0.911	0.934	0.914	0.925	1.4	0.925	1.4
Chloroethane-d5	69	0.210	0.201	0.179	0.188	0.177	0.191	7.5	0.191	7.5
1,1-Dichloroethene-d2	63	1.590	1.614	1.535	1.578	1.543	1.572	2.1	1.572	2.1
2-Butanone-d5	46	0.212	0.214	0.242	0.243	0.232	0.228	6.5	0.228	6.5
Chloroform-d	84	1.400	1.467	1.383	1.353	1.367	1.394	3.2	1.394	3.2
1,2-Dichloroethane-d4	65	0.686	0.700	0.723	0.683	0.688	0.696	2.4	0.696	2.4
Benzene-d6	84	3.472	3.448	3.464	3.388	3.363	3.427	1.4	3.427	1.4
1,2-Dichloropropane-d6	67	1.161	1.116	1.110	1.091	1.105	1.117	2.4	1.117	2.4
Toluene-d8	98	2.476	2.729	2.825	2.818	2.789	2.727	5.3	2.727	5.3
trans-1,3-Dichloropropene-d4	79	0.914	0.802	0.892	0.904	0.925	0.887	5.6	0.887	5.6
2-Hexanone-d5	63	0.140	0.147	0.161	0.168	0.159	0.155	7.2	0.155	7.2
1,1,2,2-Tetrachloroethane-d2	84	0.794	0.831	0.871	0.828	0.799	0.825	3.8	0.825	3.8
1,2-Dichlorobenzene-d4	152	2.174	2.306	2.176	1.993	1.944	2.119	7.0	2.119	7.0

National Functional Guidelines Report #16

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Initial Calibration Data Summary

VOA_Trace 6C Initial_Calibration InstrumentID=G-5973 Column=RTX-VMS HeatedPurge=N/A RRF-20.0

		RRF-0.5 VSTD0.54T G21548 11/05/2012 20:39:00	RRF-1 VSTD0014T G21547 11/05/2012 20:11:00	RRF-5 VSTD0054T G21546 11/05/2012 19:41:00	RRF-10 VSTD0104T G21545 11/05/2012 19:13:00	RRF-20 VSTD0204T G21544 11/05/2012 18:16:00	Lab Reported		NFG Calculated	
Compound	**Peak ID**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**Avg RRF/CF**	**%RSD**	**Avg RRF/CF**	**%RSD**
Vinyl chloride-d3	65	0.423	0.398	0.383	0.406	0.389	0.399	4.0	0.399	4.0
Chloroethane-d5	69	0.197	0.170	0.155	0.167	0.170	0.172	9.0	0.172	9.0
1,1-Dichloroethene-d2	63	0.998	0.994	0.992	1.093	1.077	1.031	4.9	1.031	4.9
2-Butanone-d5	46	0.198	0.196	0.200	0.228	0.207	0.206	6.4	0.206	6.4
Chloroform-d	84	0.908	0.874	0.872	0.979	0.966	0.920	5.5	0.920	5.5
1,2-Dichloroethane-d4	65	0.549	0.523	0.517	0.580	0.571	0.548	5.1	0.548	5.1
Benzene-d6	84	1.908	1.939	2.026	2.152	2.147	2.034	5.6	2.034	5.6
1,2-Dichloropropane-d6	67	0.588	0.571	0.606	0.645	0.643	0.611	5.4	0.611	5.4
Toluene-d8	98	1.546	1.645	1.872	2.068	2.089	1.844	13.3	1.844	13.3
trans-1,3-Dichloropropene-d4	79	0.596	0.623	0.694	0.767	0.761	0.688	11.3	0.688	11.3
2-Hexanone-d5	63	0.196	0.225	0.268	0.302	0.272	0.253	16.5	0.253	16.5
1,1,2,2-Tetrachloroethane-d2	84	0.452	0.441	0.464	0.513	0.494	0.473	6.3	0.473	6.3
1,2-Dichlorobenzene-d4	152	1.393	1.351	1.421	1.483	1.406	1.411	3.4	1.411	3.4

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00572 B42026 11/09/2012 09:28:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.337	0.435	-22.6	0.337	0.435	-22.6
Chloromethane	50	0.678	0.889	-23.8	0.678	0.889	-23.8
Vinyl chloride	62	0.605	0.782	-22.6	0.605	0.782	-22.6
Bromomethane	94	0.316	0.430	-26.5	0.316	0.430	-26.5
Chloroethane	64	0.104	0.146	-28.3	0.104	0.146	-28.3
Trichlorofluoromethane	101	0.477	0.638	-25.2	0.477	0.638	-25.2
1,1-Dichloroethene	96	0.498	0.631	-21.1	0.498	0.631	-21.1
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.513	0.637	-19.5	0.513	0.637	-19.5
Acetone	43	0.090	0.125	-27.7	0.090	0.125	-27.7
Carbon disulfide	76	1.929	2.425	-20.5	1.929	2.425	-20.5
Methyl acetate	43	0.318	0.499	-36.3	0.318	0.499	-36.3
Methylene chloride	84	1.081	1.140	-5.2	1.081	1.140	-5.2
trans-1,2-Dichloroethene	96	0.546	0.673	-18.9	0.546	0.673	-18.9
Methyl tert-butyl ether	73	0.775	1.094	-29.1	0.775	1.094	-29.1
1,1-Dichloroethane	63	1.041	1.299	-19.9	1.041	1.299	-19.9
cis-1,2-Dichloroethene	96	0.562	0.684	-17.8	0.562	0.684	-17.8
2-Butanone	43	0.149	0.215	-30.5	0.149	0.215	-30.5
Bromochloromethane	128	0.220	0.280	-21.4	0.220	0.280	-21.4
Chloroform	83	0.851	1.086	-21.7	0.851	1.086	-21.7
1,1,1-Trichloroethane	97	0.674	0.814	-17.2	0.674	0.814	-17.2
Cyclohexane	56	1.022	1.193	-14.4	1.022	1.193	-14.4
Carbon tetrachloride	117	0.502	0.615	-18.4	0.502	0.615	-18.4
Benzene	78	2.233	2.777	-19.6	2.233	2.777	-19.6

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00572 B42026 11/09/2012 09:28:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.507	0.664	-23.7	0.507	0.664	-23.7

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00572 B42026 11/09/2012 09:28:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.607	0.676	-10.2	0.607	0.676	-10.2
Methylcyclohexane	83	0.866	1.009	-14.2	0.866	1.009	-14.2
1,2-Dichloropropane	63	0.596	0.740	-19.5	0.596	0.740	-19.5
Bromodichloromethane	83	0.595	0.747	-20.3	0.595	0.747	-20.3
cis-1,3-Dichloropropene	75	0.765	0.924	-17.2	0.765	0.924	-17.2
4-Methyl-2-pentanone	43	0.304	0.422	-27.9	0.304	0.422	-27.9
Toluene	91	2.255	2.647	-14.8	2.255	2.647	-14.8
trans-1,3-Dichloropropene	75	0.559	0.721	-22.5	0.559	0.721	-22.5
1,1,2-Trichloroethane	97	0.389	0.521	-25.3	0.389	0.521	-25.3
Tetrachloroethene	164	0.407	0.503	-19.1	0.407	0.503	-19.1
2-Hexanone	43	0.249	0.371	-33.0	0.249	0.371	-33.0
Dibromochloromethane	129	0.341	0.450	-24.1	0.341	0.450	-24.1
1,2-Dibromoethane	107	0.360	0.464	-22.5	0.360	0.464	-22.5
Chlorobenzene	112	1.375	1.719	-20.0	1.375	1.719	-20.0
Ethylbenzene	91	2.406	2.841	-15.3	2.406	2.841	-15.3
o-Xylene	106	0.913	1.042	-12.4	0.913	1.042	-12.4
m,p-Xylene	106	0.955	1.121	-14.8	0.955	1.121	-14.8
Styrene	104	1.478	1.713	-13.7	1.478	1.713	-13.7
Bromoform	173	0.417	0.633	-34.2	0.417	0.633	-34.2
Isopropylbenzene	105	2.259	2.732	-17.3	2.259	2.732	-17.3
1,1,2,2-Tetrachloroethane	83	0.447	0.614	-27.2	0.447	0.614	-27.2
1,3-Dichlorobenzene	146	2.225	2.871	-22.5	2.225	2.871	-22.5
1,4-Dichlorobenzene	146	2.212	2.969	-25.5	2.212	2.969	-25.5

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00572 B42026 11/09/2012 09:28:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	1.990	2.651	-24.9	1.990	2.651	-24.9
1,2-Dibromo-3-chloropropane	75	0.128	0.174	-26.5	0.128	0.174	-26.5
1,2,4-Trichlorobenzene	180	1.030	1.222	-15.7	1.030	1.222	-15.7
1,2,3-Trichlorobenzene	180	1.000	1.032	-3.1	1.000	1.032	-3.1

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00572 B42026 11/09/2012 09:28:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.703	0.925	-24.0	0.703	0.925	-24.0
Chloroethane-d5	69	0.157	0.191	-17.6	0.157	0.191	-17.6
1,1-Dichloroethene-d2	63	1.249	1.572	-20.5	1.249	1.572	-20.5
2-Butanone-d5	46	0.161	0.228	-29.4	0.161	0.228	-29.4
Chloroform-d	84	1.125	1.394	-19.3	1.125	1.394	-19.3
1,2-Dichloroethane-d4	65	0.533	0.696	-23.3	0.533	0.696	-23.3
Benzene-d6	84	2.830	3.427	-17.4	2.830	3.427	-17.4
1,2-Dichloropropane-d6	67	0.879	1.117	-21.3	0.879	1.117	-21.3
Toluene-d8	98	2.334	2.727	-14.4	2.334	2.727	-14.4
trans-1,3-Dichloropropene-d4	79	0.678	0.887	-23.6	0.678	0.887	-23.6
2-Hexanone-d5	63	0.109	0.155	-29.5	0.109	0.155	-29.5
1,1,2,2-Tetrachloroethane-d2	84	0.598	0.825	-27.5	0.598	0.825	-27.5
1,2-Dichlorobenzene-d4	152	1.628	2.119	-23.2	1.628	2.119	-23.2

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00573 B42043 11/09/2012 20:34:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.312	0.435	-28.3	0.312	0.435	-28.3
Chloromethane	50	0.725	0.889	-18.5	0.725	0.889	-18.5
Vinyl chloride	62	0.561	0.782	-28.3	0.561	0.782	-28.3
Bromomethane	94	0.344	0.430	-19.9	0.344	0.430	-19.9
Chloroethane	64	0.111	0.146	-23.7	0.111	0.146	-23.7
Trichlorofluoromethane	101	0.515	0.638	-19.2	0.515	0.638	-19.2
1,1-Dichloroethene	96	0.477	0.631	-24.5	0.477	0.631	-24.5
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.475	0.637	-25.4	0.475	0.637	-25.4
Acetone	43	0.099	0.125	-20.9	0.099	0.125	-20.9
Carbon disulfide	76	1.824	2.425	-24.8	1.824	2.425	-24.8
Methyl acetate	43	0.361	0.499	-27.5	0.361	0.499	-27.5
Methylene chloride	84	1.094	1.140	-4.0	1.094	1.140	-4.0
trans-1,2-Dichloroethene	96	0.525	0.673	-22.0	0.525	0.673	-22.0
Methyl tert-butyl ether	73	0.830	1.094	-24.2	0.830	1.094	-24.2
1,1-Dichloroethane	63	1.067	1.299	-17.9	1.067	1.299	-17.9
cis-1,2-Dichloroethene	96	0.543	0.684	-20.5	0.543	0.684	-20.5
2-Butanone	43	0.166	0.215	-23.0	0.166	0.215	-23.0
Bromochloromethane	128	0.245	0.280	-12.3	0.245	0.280	-12.3
Chloroform	83	0.904	1.086	-16.7	0.904	1.086	-16.7
1,1,1-Trichloroethane	97	0.626	0.814	-23.1	0.626	0.814	-23.1
Cyclohexane	56	0.899	1.193	-24.6	0.899	1.193	-24.6
Carbon tetrachloride	117	0.455	0.615	-26.1	0.455	0.615	-26.1
Benzene	78	2.380	2.777	-14.3	2.380	2.777	-14.3

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00573 B42043 11/09/2012 20:34:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.579	0.664	-12.9	0.579	0.664	-12.9

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00573 B42043 11/09/2012 20:34:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.583	0.676	-13.7	0.583	0.676	-13.7
Methylcyclohexane	83	0.772	1.009	-23.6	0.772	1.009	-23.6
1,2-Dichloropropane	63	0.635	0.740	-14.2	0.635	0.740	-14.2
Bromodichloromethane	83	0.629	0.747	-15.8	0.629	0.747	-15.8
cis-1,3-Dichloropropene	75	0.817	0.924	-11.5	0.817	0.924	-11.5
4-Methyl-2-pentanone	43	0.346	0.422	-17.9	0.346	0.422	-17.9
Toluene	91	2.241	2.647	-15.3	2.241	2.647	-15.3
trans-1,3-Dichloropropene	75	0.617	0.721	-14.5	0.617	0.721	-14.5
1,1,2-Trichloroethane	97	0.430	0.521	-17.4	0.430	0.521	-17.4
Tetrachloroethene	164	0.385	0.503	-23.6	0.385	0.503	-23.6
2-Hexanone	43	0.273	0.371	-26.5	0.273	0.371	-26.5
Dibromochloromethane	129	0.365	0.450	-18.9	0.365	0.450	-18.9
1,2-Dibromoethane	107	0.379	0.464	-18.3	0.379	0.464	-18.3
Chlorobenzene	112	1.437	1.719	-16.4	1.437	1.719	-16.4
Ethylbenzene	91	2.364	2.841	-16.8	2.364	2.841	-16.8
o-Xylene	106	0.872	1.042	-16.4	0.872	1.042	-16.4
m,p-Xylene	106	0.904	1.121	-19.4	0.904	1.121	-19.4
Styrene	104	1.472	1.713	-14.1	1.472	1.713	-14.1
Bromoform	173	0.490	0.633	-22.6	0.490	0.633	-22.6
Isopropylbenzene	105	2.100	2.732	-23.1	2.100	2.732	-23.1
1,1,2,2-Tetrachloroethane	83	0.499	0.614	-18.8	0.499	0.614	-18.8
1,3-Dichlorobenzene	146	2.200	2.871	-23.4	2.200	2.871	-23.4
1,4-Dichlorobenzene	146	2.261	2.969	-23.9	2.261	2.969	-23.9

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00573 B42043 11/09/2012 20:34:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	2.146	2.651	-19.1	2.146	2.651	-19.1
1,2-Dibromo-3-chloropropane	75	0.123	0.174	-29.4	0.123	0.174	-29.4
1,2,4-Trichlorobenzene	180	0.785	1.222	-35.8	0.785	1.222	-35.8
1,2,3-Trichlorobenzene	180	0.755	1.032	-26.8	0.755	1.032	-26.8

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00573 B42043 11/09/2012 20:34:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.667	0.925	-27.8	0.667	0.925	-27.8
Chloroethane-d5	69	0.172	0.191	-9.7	0.172	0.191	-9.7
1,1-Dichloroethene-d2	63	1.220	1.572	-22.4	1.220	1.572	-22.4
2-Butanone-d5	46	0.186	0.228	-18.3	0.186	0.228	-18.3
Chloroform-d	84	1.206	1.394	-13.5	1.206	1.394	-13.5
1,2-Dichloroethane-d4	65	0.616	0.696	-11.5	0.616	0.696	-11.5
Benzene-d6	84	2.963	3.427	-13.5	2.963	3.427	-13.5
1,2-Dichloropropane-d6	67	0.983	1.117	-11.9	0.983	1.117	-11.9
Toluene-d8	98	2.341	2.727	-14.2	2.341	2.727	-14.2
trans-1,3-Dichloropropene-d4	79	0.753	0.887	-15.1	0.753	0.887	-15.1
2-Hexanone-d5	63	0.127	0.155	-18.4	0.127	0.155	-18.4
1,1,2,2-Tetrachloroethane-d2	84	0.735	0.825	-10.8	0.735	0.825	-10.8
1,2-Dichlorobenzene-d4	152	1.726	2.119	-18.5	1.726	2.119	-18.5

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00574 B42045 11/10/2012 09:46:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.357	0.435	-18.1	0.357	0.435	-18.1
Chloromethane	50	0.741	0.889	-16.7	0.741	0.889	-16.7
Vinyl chloride	62	0.636	0.782	-18.7	0.636	0.782	-18.7
Bromomethane	94	0.369	0.430	-14.1	0.369	0.430	-14.1
Chloroethane	64	0.140	0.146	-3.9	0.140	0.146	-3.9
Trichlorofluoromethane	101	0.680	0.638	6.5	0.680	0.638	6.5
1,1-Dichloroethene	96	0.511	0.631	-19.1	0.511	0.631	-19.1
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.553	0.637	-13.2	0.553	0.637	-13.2
Acetone	43	0.083	0.125	-33.8	0.083	0.125	-33.8
Carbon disulfide	76	2.120	2.425	-12.6	2.120	2.425	-12.6
Methyl acetate	43	0.324	0.499	-35.0	0.324	0.499	-35.0
Methylene chloride	84	0.857	1.140	-24.8	0.857	1.140	-24.8
trans-1,2-Dichloroethene	96	0.586	0.673	-12.9	0.586	0.673	-12.9
Methyl tert-butyl ether	73	0.742	1.094	-32.1	0.742	1.094	-32.1
1,1-Dichloroethane	63	1.095	1.299	-15.7	1.095	1.299	-15.7
cis-1,2-Dichloroethene	96	0.543	0.684	-20.5	0.543	0.684	-20.5
2-Butanone	43	0.138	0.215	-35.8	0.138	0.215	-35.8
Bromochloromethane	128	0.234	0.280	-16.4	0.234	0.280	-16.4
Chloroform	83	0.914	1.086	-15.9	0.914	1.086	-15.9
1,1,1-Trichloroethane	97	0.702	0.814	-13.8	0.702	0.814	-13.8
Cyclohexane	56	1.043	1.193	-12.6	1.043	1.193	-12.6
Carbon tetrachloride	117	0.546	0.615	-11.3	0.546	0.615	-11.3
Benzene	78	2.457	2.777	-11.5	2.457	2.777	-11.5

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00574 B42045 11/10/2012 09:46:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.550	0.664	-17.2	0.550	0.664	-17.2

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00574 B42045 11/10/2012 09:46:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.677	0.676	0.1	0.677	0.676	0.1
Methylcyclohexane	83	0.904	1.009	-10.4	0.904	1.009	-10.4
1,2-Dichloropropane	63	0.612	0.740	-17.3	0.612	0.740	-17.3
Bromodichloromethane	83	0.659	0.747	-11.7	0.659	0.747	-11.7
cis-1,3-Dichloropropene	75	0.807	0.924	-12.7	0.807	0.924	-12.7
4-Methyl-2-pentanone	43	0.296	0.422	-29.9	0.296	0.422	-29.9
Toluene	91	2.444	2.647	-7.7	2.444	2.647	-7.7
trans-1,3-Dichloropropene	75	0.594	0.721	-17.7	0.594	0.721	-17.7
1,1,2-Trichloroethane	97	0.418	0.521	-19.7	0.418	0.521	-19.7
Tetrachloroethene	164	0.433	0.503	-13.9	0.433	0.503	-13.9
2-Hexanone	43	0.230	0.371	-37.9	0.230	0.371	-37.9
Dibromochloromethane	129	0.369	0.450	-17.9	0.369	0.450	-17.9
1,2-Dibromoethane	107	0.360	0.464	-22.4	0.360	0.464	-22.4
Chlorobenzene	112	1.691	1.719	-1.6	1.691	1.719	-1.6
Ethylbenzene	91	2.590	2.841	-8.9	2.590	2.841	-8.9
o-Xylene	106	0.934	1.042	-10.4	0.934	1.042	-10.4
m,p-Xylene	106	1.010	1.121	-9.9	1.010	1.121	-9.9
Styrene	104	1.572	1.713	-8.2	1.572	1.713	-8.2
Bromoform	173	0.507	0.633	-19.9	0.507	0.633	-19.9
Isopropylbenzene	105	2.358	2.732	-13.7	2.358	2.732	-13.7
1,1,2,2-Tetrachloroethane	83	0.459	0.614	-25.3	0.459	0.614	-25.3
1,3-Dichlorobenzene	146	2.302	2.871	-19.8	2.302	2.871	-19.8
1,4-Dichlorobenzene	146	2.516	2.969	-15.3	2.516	2.969	-15.3

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00574 B42045 11/10/2012 09:46:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	2.519	2.651	-5.0	2.519	2.651	-5.0
1,2-Dibromo-3-chloropropane	75	0.124	0.174	-28.6	0.124	0.174	-28.6
1,2,4-Trichlorobenzene	180	0.860	1.222	-29.6	0.860	1.222	-29.6
1,2,3-Trichlorobenzene	180	0.843	1.032	-18.3	0.843	1.032	-18.3

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00574 B42045 11/10/2012 09:46:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.725	0.925	-21.6	0.725	0.925	-21.6
Chloroethane-d5	69	0.176	0.191	-7.9	0.176	0.191	-7.9
1,1-Dichloroethene-d2	63	1.354	1.572	-13.9	1.354	1.572	-13.9
2-Butanone-d5	46	0.153	0.228	-32.9	0.153	0.228	-32.9
Chloroform-d	84	1.184	1.394	-15.1	1.184	1.394	-15.1
1,2-Dichloroethane-d4	65	0.555	0.696	-20.2	0.555	0.696	-20.2
Benzene-d6	84	3.036	3.427	-11.4	3.036	3.427	-11.4
1,2-Dichloropropane-d6	67	0.952	1.117	-14.8	0.952	1.117	-14.8
Toluene-d8	98	2.454	2.727	-10.0	2.454	2.727	-10.0
trans-1,3-Dichloropropene-d4	79	0.708	0.887	-20.2	0.708	0.887	-20.2
2-Hexanone-d5	63	0.104	0.155	-33.1	0.104	0.155	-33.1
1,1,2,2-Tetrachloroethane-d2	84	0.669	0.825	-18.9	0.669	0.825	-18.9
1,2-Dichlorobenzene-d4	152	1.619	2.119	-23.6	1.619	2.119	-23.6

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00575 B42063 11/10/2012 19:50:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.350	0.435	-19.6	0.350	0.435	-19.6
Chloromethane	50	0.795	0.889	-10.6	0.795	0.889	-10.6
Vinyl chloride	62	0.617	0.782	-21.2	0.617	0.782	-21.2
Bromomethane	94	0.353	0.430	-17.9	0.353	0.430	-17.9
Chloroethane	64	0.123	0.146	-15.7	0.123	0.146	-15.7
Trichlorofluoromethane	101	0.552	0.638	-13.5	0.552	0.638	-13.5
1,1-Dichloroethene	96	0.544	0.631	-13.8	0.544	0.631	-13.8
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.523	0.637	-17.8	0.523	0.637	-17.8
Acetone	43	0.132	0.125	5.5	0.132	0.125	5.5
Carbon disulfide	76	2.039	2.425	-15.9	2.039	2.425	-15.9
Methyl acetate	43	0.429	0.499	-14.1	0.429	0.499	-14.1
Methylene chloride	84	0.945	1.140	-17.1	0.945	1.140	-17.1
trans-1,2-Dichloroethene	96	0.576	0.673	-14.5	0.576	0.673	-14.5
Methyl tert-butyl ether	73	0.825	1.094	-24.5	0.825	1.094	-24.5
1,1-Dichloroethane	63	1.096	1.299	-15.7	1.096	1.299	-15.7
cis-1,2-Dichloroethene	96	0.536	0.684	-21.6	0.536	0.684	-21.6
2-Butanone	43	0.225	0.215	4.5	0.225	0.215	4.5
Bromochloromethane	128	0.239	0.280	-14.5	0.239	0.280	-14.5
Chloroform	83	0.904	1.086	-16.8	0.904	1.086	-16.8
1,1,1-Trichloroethane	97	0.678	0.814	-16.7	0.678	0.814	-16.7
Cyclohexane	56	0.997	1.193	-16.4	0.997	1.193	-16.4
Carbon tetrachloride	117	0.503	0.615	-18.2	0.503	0.615	-18.2
Benzene	78	2.451	2.777	-11.7	2.451	2.777	-11.7

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00575 B42063 11/10/2012 19:50:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.591	0.664	-11.1	0.591	0.664	-11.1

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00575 B42063 11/10/2012 19:50:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.603	0.676	-10.8	0.603	0.676	-10.8
Methylcyclohexane	83	0.811	1.009	-19.7	0.811	1.009	-19.7
1,2-Dichloropropane	63	0.632	0.740	-14.6	0.632	0.740	-14.6
Bromodichloromethane	83	0.606	0.747	-18.9	0.606	0.747	-18.9
cis-1,3-Dichloropropene	75	0.784	0.924	-15.1	0.784	0.924	-15.1
4-Methyl-2-pentanone	43	0.455	0.422	7.9	0.455	0.422	7.9
Toluene	91	2.310	2.647	-12.7	2.310	2.647	-12.7
trans-1,3-Dichloropropene	75	0.581	0.721	-19.4	0.581	0.721	-19.4
1,1,2-Trichloroethane	97	0.446	0.521	-14.3	0.446	0.521	-14.3
Tetrachloroethene	164	0.423	0.503	-16.0	0.423	0.503	-16.0
2-Hexanone	43	0.360	0.371	-3.1	0.360	0.371	-3.1
Dibromochloromethane	129	0.352	0.450	-21.8	0.352	0.450	-21.8
1,2-Dibromoethane	107	0.381	0.464	-17.9	0.381	0.464	-17.9
Chlorobenzene	112	1.445	1.719	-15.9	1.445	1.719	-15.9
Ethylbenzene	91	2.484	2.841	-12.6	2.484	2.841	-12.6
o-Xylene	106	0.864	1.042	-17.1	0.864	1.042	-17.1
m,p-Xylene	106	0.954	1.121	-14.9	0.954	1.121	-14.9
Styrene	104	1.503	1.713	-12.2	1.503	1.713	-12.2
Bromoform	173	0.470	0.633	-25.8	0.470	0.633	-25.8
Isopropylbenzene	105	2.217	2.732	-18.8	2.217	2.732	-18.8
1,1,2,2-Tetrachloroethane	83	0.497	0.614	-19.1	0.497	0.614	-19.1
1,3-Dichlorobenzene	146	2.229	2.871	-22.4	2.229	2.871	-22.4
1,4-Dichlorobenzene	146	2.372	2.969	-20.1	2.372	2.969	-20.1

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00575 B42063 11/10/2012 19:50:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	2.249	2.651	-15.2	2.249	2.651	-15.2
1,2-Dibromo-3-chloropropane	75	0.150	0.174	-13.4	0.150	0.174	-13.4
1,2,4-Trichlorobenzene	180	0.730	1.222	-40.2	0.730	1.222	-40.2
1,2,3-Trichlorobenzene	180	0.872	1.032	-15.5	0.872	1.032	-15.5

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00575 B42063 11/10/2012 19:50:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.798	0.925	-13.6	0.798	0.925	-13.6
Chloroethane-d5	69	0.185	0.191	-3.4	0.185	0.191	-3.4
1,1-Dichloroethene-d2	63	1.483	1.572	-5.7	1.483	1.572	-5.7
2-Butanone-d5	46	0.222	0.228	-3.0	0.222	0.228	-3.0
Chloroform-d	84	1.363	1.394	-2.2	1.363	1.394	-2.2
1,2-Dichloroethane-d4	65	0.674	0.696	-3.1	0.674	0.696	-3.1
Benzene-d6	84	3.368	3.427	-1.7	3.368	3.427	-1.7
1,2-Dichloropropane-d6	67	1.077	1.117	-3.5	1.077	1.117	-3.5
Toluene-d8	98	2.667	2.727	-2.2	2.667	2.727	-2.2
trans-1,3-Dichloropropene-d4	79	0.810	0.887	-8.7	0.810	0.887	-8.7
2-Hexanone-d5	63	0.148	0.155	-4.6	0.148	0.155	-4.6
1,1,2,2-Tetrachloroethane-d2	84	0.795	0.825	-3.5	0.795	0.825	-3.5
1,2-Dichlorobenzene-d4	152	1.978	2.119	-6.6	1.978	2.119	-6.6

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0054Y G21578 11/08/2012 09:18:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.587	0.562	4.4	0.587	0.562	4.4
Chloromethane	50	0.564	0.588	-4.1	0.564	0.588	-4.1
Vinyl chloride	62	0.456	0.455	0.2	0.456	0.455	0.2
Bromomethane	94	0.263	0.314	-16.1	0.263	0.314	-16.1
Chloroethane	64	0.143	0.137	4.8	0.143	0.137	4.8
Trichlorofluoromethane	101	0.662	0.655	1.0	0.662	0.655	1.0
1,1-Dichloroethene	96	0.421	0.402	4.7	0.421	0.402	4.7
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.461	0.430	7.3	0.461	0.430	7.3
Acetone	43	0.082	0.093	-12.1	0.082	0.093	-12.1
Carbon disulfide	76	1.240	1.225	1.3	1.240	1.225	1.3
Methyl acetate	43	0.271	0.331	-18.1	0.271	0.331	-18.1
Methylene chloride	84	0.748	0.707	5.8	0.748	0.707	5.8
trans-1,2-Dichloroethene	96	0.430	0.438	-1.8	0.430	0.438	-1.8
Methyl tert-butyl ether	73	0.860	0.915	-6.0	0.860	0.915	-6.0
1,1-Dichloroethane	63	0.841	0.833	1.0	0.841	0.833	1.0
cis-1,2-Dichloroethene	96	0.419	0.435	-3.7	0.419	0.435	-3.7
2-Butanone	43	0.122	0.149	-17.8	0.122	0.149	-17.8
Bromochloromethane	128	0.195	0.196	-0.5	0.195	0.196	-0.5
Chloroform	83	0.831	0.793	4.8	0.831	0.793	4.8
1,1,1-Trichloroethane	97	0.768	0.743	3.4	0.768	0.743	3.4
Cyclohexane	56	0.824	0.823	0.1	0.824	0.823	0.1
Carbon tetrachloride	117	0.646	0.635	1.7	0.646	0.635	1.7
Benzene	78	1.900	1.828	4.0	1.900	1.828	4.0

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0054Y G21578 11/08/2012 09:18:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.589	0.578	2.0	0.589	0.578	2.0

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0054Y G21578 11/08/2012 09:18:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.503	0.482	4.5	0.503	0.482	4.5
Methylcyclohexane	83	0.711	0.714	-0.4	0.711	0.714	-0.4
1,2-Dichloropropane	63	0.497	0.486	2.2	0.497	0.486	2.2
Bromodichloromethane	83	0.549	0.544	0.9	0.549	0.544	0.9
cis-1,3-Dichloropropene	75	0.721	0.706	2.1	0.721	0.706	2.1
4-Methyl-2-pentanone	43	0.284	0.318	-10.6	0.284	0.318	-10.6
Toluene	91	2.064	1.940	6.4	2.064	1.940	6.4
trans-1,3-Dichloropropene	75	0.658	0.639	2.8	0.658	0.639	2.8
1,1,2-Trichloroethane	97	0.346	0.351	-1.4	0.346	0.351	-1.4
Tetrachloroethene	164	0.371	0.376	-1.2	0.371	0.376	-1.2
2-Hexanone	43	0.212	0.258	-18.1	0.212	0.258	-18.1
Dibromochloromethane	129	0.348	0.364	-4.3	0.348	0.364	-4.3
1,2-Dibromoethane	107	0.306	0.323	-5.1	0.306	0.323	-5.1
Chlorobenzene	112	1.336	1.322	1.0	1.336	1.322	1.0
Ethylbenzene	91	2.331	2.227	4.7	2.331	2.227	4.7
o-Xylene	106	0.789	0.760	3.9	0.789	0.760	3.9
m,p-Xylene	106	0.862	0.817	5.5	0.862	0.817	5.5
Styrene	104	1.375	1.238	11.1	1.375	1.238	11.1
Bromoform	173	0.390	0.412	-5.3	0.390	0.412	-5.3
Isopropylbenzene	105	2.167	2.027	6.9	2.167	2.027	6.9
1,1,2,2-Tetrachloroethane	83	0.381	0.398	-4.3	0.381	0.398	-4.3
1,3-Dichlorobenzene	146	1.930	2.023	-4.6	1.930	2.023	-4.6
1,4-Dichlorobenzene	146	2.127	2.170	-2.0	2.127	2.170	-2.0

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0054Y G21578 11/08/2012 09:18:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	1.950	1.948	0.1	1.950	1.948	0.1
1,2-Dibromo-3-chloropropane	75	0.105	0.128	-18.1	0.105	0.128	-18.1
1,2,4-Trichlorobenzene	180	0.881	0.928	-5.1	0.881	0.928	-5.1
1,2,3-Trichlorobenzene	180	0.746	0.761	-2.1	0.746	0.761	-2.1

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0054Y G21578 11/08/2012 09:18:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.373	0.399	-6.5	0.373	0.399	-6.5
Chloroethane-d5	69	0.179	0.172	4.3	0.179	0.172	4.3
1,1-Dichloroethene-d2	63	1.054	1.031	2.3	1.054	1.031	2.3
2-Butanone-d5	46	0.174	0.206	-15.7	0.174	0.206	-15.7
Chloroform-d	84	0.912	0.920	-0.8	0.912	0.920	-0.8
1,2-Dichloroethane-d4	65	0.531	0.548	-3.1	0.531	0.548	-3.1
Benzene-d6	84	1.989	2.034	-2.2	1.989	2.034	-2.2
1,2-Dichloropropane-d6	67	0.584	0.611	-4.3	0.584	0.611	-4.3
Toluene-d8	98	1.791	1.844	-2.9	1.791	1.844	-2.9
trans-1,3-Dichloropropene-d4	79	0.665	0.688	-3.3	0.665	0.688	-3.3
2-Hexanone-d5	63	0.235	0.253	-7.1	0.235	0.253	-7.1
1,1,2,2-Tetrachloroethane-d2	84	0.442	0.473	-6.5	0.442	0.473	-6.5
1,2-Dichlorobenzene-d4	152	1.337	1.411	-5.2	1.337	1.411	-5.2

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0054Z G21599 11/08/2012 20:20:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.443	0.562	-21.3	0.443	0.562	-21.3
Chloromethane	50	0.449	0.588	-23.7	0.449	0.588	-23.7
Vinyl chloride	62	0.364	0.455	-20.1	0.364	0.455	-20.1
Bromomethane	94	0.214	0.314	-31.7	0.214	0.314	-31.7
Chloroethane	64	0.117	0.137	-14.8	0.117	0.137	-14.8
Trichlorofluoromethane	101	0.439	0.655	-32.9	0.439	0.655	-32.9
1,1-Dichloroethene	96	0.335	0.402	-16.7	0.335	0.402	-16.7
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.360	0.430	-16.2	0.360	0.430	-16.2
Acetone	43	0.072	0.093	-22.6	0.072	0.093	-22.6
Carbon disulfide	76	0.900	1.225	-26.5	0.900	1.225	-26.5
Methyl acetate	43	0.295	0.331	-11.1	0.295	0.331	-11.1
Methylene chloride	84	0.565	0.707	-20.1	0.565	0.707	-20.1
trans-1,2-Dichloroethene	96	0.369	0.438	-15.7	0.369	0.438	-15.7
Methyl tert-butyl ether	73	0.877	0.915	-4.2	0.877	0.915	-4.2
1,1-Dichloroethane	63	0.749	0.833	-10.1	0.749	0.833	-10.1
cis-1,2-Dichloroethene	96	0.372	0.435	-14.4	0.372	0.435	-14.4
2-Butanone	43	0.126	0.149	-15.3	0.126	0.149	-15.3
Bromochloromethane	128	0.196	0.196	0.0	0.196	0.196	0.0
Chloroform	83	0.763	0.793	-3.8	0.763	0.793	-3.8
1,1,1-Trichloroethane	97	0.595	0.743	-19.9	0.595	0.743	-19.9
Cyclohexane	56	0.623	0.823	-24.4	0.623	0.823	-24.4
Carbon tetrachloride	117	0.476	0.635	-25.0	0.476	0.635	-25.0
Benzene	78	1.625	1.828	-11.1	1.625	1.828	-11.1

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0054Z G21599 11/08/2012 20:20:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.564	0.578	-2.4	0.564	0.578	-2.4

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0054Z G21599 11/08/2012 20:20:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.421	0.482	-12.6	0.421	0.482	-12.6
Methylcyclohexane	83	0.523	0.714	-26.8	0.523	0.714	-26.8
1,2-Dichloropropane	63	0.436	0.486	-10.2	0.436	0.486	-10.2
Bromodichloromethane	83	0.485	0.544	-10.9	0.485	0.544	-10.9
cis-1,3-Dichloropropene	75	0.658	0.706	-6.8	0.658	0.706	-6.8
4-Methyl-2-pentanone	43	0.298	0.318	-6.0	0.298	0.318	-6.0
Toluene	91	1.732	1.940	-10.7	1.732	1.940	-10.7
trans-1,3-Dichloropropene	75	0.605	0.639	-5.4	0.605	0.639	-5.4
1,1,2-Trichloroethane	97	0.336	0.351	-4.3	0.336	0.351	-4.3
Tetrachloroethene	164	0.295	0.376	-21.6	0.295	0.376	-21.6
2-Hexanone	43	0.241	0.258	-7.0	0.241	0.258	-7.0
Dibromochloromethane	129	0.317	0.364	-12.9	0.317	0.364	-12.9
1,2-Dibromoethane	107	0.288	0.323	-10.7	0.288	0.323	-10.7
Chlorobenzene	112	1.164	1.322	-12.0	1.164	1.322	-12.0
Ethylbenzene	91	1.921	2.227	-13.7	1.921	2.227	-13.7
o-Xylene	106	0.661	0.760	-13.0	0.661	0.760	-13.0
m,p-Xylene	106	0.703	0.817	-13.9	0.703	0.817	-13.9
Styrene	104	1.176	1.238	-5.0	1.176	1.238	-5.0
Bromoform	173	0.352	0.412	-14.4	0.352	0.412	-14.4
Isopropylbenzene	105	1.710	2.027	-15.6	1.710	2.027	-15.6
1,1,2,2-Tetrachloroethane	83	0.377	0.398	-5.4	0.377	0.398	-5.4
1,3-Dichlorobenzene	146	1.639	2.023	-19.0	1.639	2.023	-19.0
1,4-Dichlorobenzene	146	1.818	2.170	-16.2	1.818	2.170	-16.2

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0054Z G21599 11/08/2012 20:20:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	1.730	1.948	-11.2	1.730	1.948	-11.2
1,2-Dibromo-3-chloropropane	75	0.105	0.128	-18.2	0.105	0.128	-18.2
1,2,4-Trichlorobenzene	180	0.590	0.928	-36.4	0.590	0.928	-36.4
1,2,3-Trichlorobenzene	180	0.575	0.761	-24.5	0.575	0.761	-24.5

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0054Z G21599 11/08/2012 20:20:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.310	0.399	-22.4	0.310	0.399	-22.4
Chloroethane-d5	69	0.155	0.172	-9.7	0.155	0.172	-9.7
1,1-Dichloroethene-d2	63	0.834	1.031	-19.1	0.834	1.031	-19.1
2-Butanone-d5	46	0.185	0.206	-10.3	0.185	0.206	-10.3
Chloroform-d	84	0.828	0.920	-10.0	0.828	0.920	-10.0
1,2-Dichloroethane-d4	65	0.532	0.548	-3.0	0.532	0.548	-3.0
Benzene-d6	84	1.735	2.034	-14.7	1.735	2.034	-14.7
1,2-Dichloropropane-d6	67	0.534	0.611	-12.6	0.534	0.611	-12.6
Toluene-d8	98	1.535	1.844	-16.8	1.535	1.844	-16.8
trans-1,3-Dichloropropene-d4	79	0.635	0.688	-7.7	0.635	0.688	-7.7
2-Hexanone-d5	63	0.245	0.253	-2.9	0.245	0.253	-2.9
1,1,2,2-Tetrachloroethane-d2	84	0.431	0.473	-8.9	0.431	0.473	-8.9
1,2-Dichlorobenzene-d4	152	1.218	1.411	-13.7	1.218	1.411	-13.7

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055A G21601 11/09/2012 09:30:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.592	0.562	5.2	0.592	0.562	5.2
Chloromethane	50	0.563	0.588	-4.3	0.563	0.588	-4.3
Vinyl chloride	62	0.483	0.455	6.1	0.483	0.455	6.1
Bromomethane	94	0.284	0.314	-9.5	0.284	0.314	-9.5
Chloroethane	64	0.142	0.137	4.0	0.142	0.137	4.0
Trichlorofluoromethane	101	0.681	0.655	4.0	0.681	0.655	4.0
1,1-Dichloroethene	96	0.435	0.402	8.2	0.435	0.402	8.2
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.470	0.430	9.3	0.470	0.430	9.3
Acetone	43	0.083	0.093	-11.2	0.083	0.093	-11.2
Carbon disulfide	76	1.267	1.225	3.4	1.267	1.225	3.4
Methyl acetate	43	0.288	0.331	-13.2	0.288	0.331	-13.2
Methylene chloride	84	0.801	0.707	13.3	0.801	0.707	13.3
trans-1,2-Dichloroethene	96	0.457	0.438	4.4	0.457	0.438	4.4
Methyl tert-butyl ether	73	0.877	0.915	-4.2	0.877	0.915	-4.2
1,1-Dichloroethane	63	0.863	0.833	3.6	0.863	0.833	3.6
cis-1,2-Dichloroethene	96	0.431	0.435	-0.9	0.431	0.435	-0.9
2-Butanone	43	0.127	0.149	-14.8	0.127	0.149	-14.8
Bromochloromethane	128	0.201	0.196	2.6	0.201	0.196	2.6
Chloroform	83	0.841	0.793	6.0	0.841	0.793	6.0
1,1,1-Trichloroethane	97	0.777	0.743	4.6	0.777	0.743	4.6
Cyclohexane	56	0.868	0.823	5.4	0.868	0.823	5.4
Carbon tetrachloride	117	0.658	0.635	3.7	0.658	0.635	3.7
Benzene	78	1.933	1.828	5.8	1.933	1.828	5.8

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055A G21601 11/09/2012 09:30:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.591	0.578	2.3	0.591	0.578	2.3

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055A G21601 11/09/2012 09:30:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.519	0.482	7.7	0.519	0.482	7.7
Methylcyclohexane	83	0.746	0.714	4.5	0.746	0.714	4.5
1,2-Dichloropropane	63	0.497	0.486	2.2	0.497	0.486	2.2
Bromodichloromethane	83	0.556	0.544	2.1	0.556	0.544	2.1
cis-1,3-Dichloropropene	75	0.737	0.706	4.4	0.737	0.706	4.4
4-Methyl-2-pentanone	43	0.300	0.318	-5.5	0.300	0.318	-5.5
Toluene	91	2.100	1.940	8.3	2.100	1.940	8.3
trans-1,3-Dichloropropene	75	0.658	0.639	2.8	0.658	0.639	2.8
1,1,2-Trichloroethane	97	0.347	0.351	-1.1	0.347	0.351	-1.1
Tetrachloroethene	164	0.384	0.376	2.1	0.384	0.376	2.1
2-Hexanone	43	0.218	0.258	-15.5	0.218	0.258	-15.5
Dibromochloromethane	129	0.354	0.364	-2.6	0.354	0.364	-2.6
1,2-Dibromoethane	107	0.307	0.323	-4.8	0.307	0.323	-4.8
Chlorobenzene	112	1.361	1.322	2.9	1.361	1.322	2.9
Ethylbenzene	91	2.339	2.227	5.0	2.339	2.227	5.0
o-Xylene	106	0.813	0.760	7.0	0.813	0.760	7.0
m,p-Xylene	106	0.866	0.817	6.0	0.866	0.817	6.0
Styrene	104	1.370	1.238	10.7	1.370	1.238	10.7
Bromoform	173	0.393	0.412	-4.5	0.393	0.412	-4.5
Isopropylbenzene	105	2.167	2.027	6.9	2.167	2.027	6.9
1,1,2,2-Tetrachloroethane	83	0.380	0.398	-4.7	0.380	0.398	-4.7
1,3-Dichlorobenzene	146	1.938	2.023	-4.2	1.938	2.023	-4.2
1,4-Dichlorobenzene	146	2.129	2.170	-1.9	2.129	2.170	-1.9

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055A G21601 11/09/2012 09:30:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	1.939	1.948	-0.5	1.939	1.948	-0.5
1,2-Dibromo-3-chloropropane	75	0.108	0.128	-15.8	0.108	0.128	-15.8
1,2,4-Trichlorobenzene	180	0.831	0.928	-10.4	0.831	0.928	-10.4
1,2,3-Trichlorobenzene	180	0.721	0.761	-5.3	0.721	0.761	-5.3

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055A G21601 11/09/2012 09:30:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.399	0.399	-0.1	0.399	0.399	-0.1
Chloroethane-d5	69	0.190	0.172	10.7	0.190	0.172	10.7
1,1-Dichloroethene-d2	63	1.069	1.031	3.7	1.069	1.031	3.7
2-Butanone-d5	46	0.181	0.206	-12.2	0.181	0.206	-12.2
Chloroform-d	84	0.930	0.920	1.1	0.930	0.920	1.1
1,2-Dichloroethane-d4	65	0.536	0.548	-2.2	0.536	0.548	-2.2
Benzene-d6	84	2.047	2.034	0.6	2.047	2.034	0.6
1,2-Dichloropropane-d6	67	0.597	0.611	-2.3	0.597	0.611	-2.3
Toluene-d8	98	1.850	1.844	0.3	1.850	1.844	0.3
trans-1,3-Dichloropropene-d4	79	0.694	0.688	0.9	0.694	0.688	0.9
2-Hexanone-d5	63	0.243	0.253	-4.0	0.243	0.253	-4.0
1,1,2,2-Tetrachloroethane-d2	84	0.443	0.473	-6.2	0.443	0.473	-6.2
1,2-Dichlorobenzene-d4	152	1.333	1.411	-5.5	1.333	1.411	-5.5

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055B G21614 11/09/2012 20:25:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.627	0.562	11.5	0.627	0.562	11.5
Chloromethane	50	0.584	0.588	-0.7	0.584	0.588	-0.7
Vinyl chloride	62	0.508	0.455	11.5	0.508	0.455	11.5
Bromomethane	94	0.273	0.314	-13.1	0.273	0.314	-13.1
Chloroethane	64	0.147	0.137	7.1	0.147	0.137	7.1
Trichlorofluoromethane	101	0.695	0.655	6.1	0.695	0.655	6.1
1,1-Dichloroethene	96	0.462	0.402	14.7	0.462	0.402	14.7
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.503	0.430	17.0	0.503	0.430	17.0
Acetone	43	0.080	0.093	-14.4	0.080	0.093	-14.4
Carbon disulfide	76	1.251	1.225	2.1	1.251	1.225	2.1
Methyl acetate	43	0.314	0.331	-5.4	0.314	0.331	-5.4
Methylene chloride	84	0.700	0.707	-1.0	0.700	0.707	-1.0
trans-1,2-Dichloroethene	96	0.463	0.438	5.7	0.463	0.438	5.7
Methyl tert-butyl ether	73	0.942	0.915	2.9	0.942	0.915	2.9
1,1-Dichloroethane	63	0.916	0.833	10.0	0.916	0.833	10.0
cis-1,2-Dichloroethene	96	0.449	0.435	3.2	0.449	0.435	3.2
2-Butanone	43	0.138	0.149	-7.4	0.138	0.149	-7.4
Bromochloromethane	128	0.216	0.196	10.0	0.216	0.196	10.0
Chloroform	83	0.888	0.793	12.0	0.888	0.793	12.0
1,1,1-Trichloroethane	97	0.801	0.743	7.8	0.801	0.743	7.8
Cyclohexane	56	0.880	0.823	6.9	0.880	0.823	6.9
Carbon tetrachloride	117	0.662	0.635	4.3	0.662	0.635	4.3
Benzene	78	2.036	1.828	11.4	2.036	1.828	11.4

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055B G21614 11/09/2012 20:25:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.651	0.578	12.7	0.651	0.578	12.7

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055B G21614 11/09/2012 20:25:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.538	0.482	11.7	0.538	0.482	11.7
Methylcyclohexane	83	0.743	0.714	4.0	0.743	0.714	4.0
1,2-Dichloropropane	63	0.528	0.486	8.6	0.528	0.486	8.6
Bromodichloromethane	83	0.578	0.544	6.2	0.578	0.544	6.2
cis-1,3-Dichloropropene	75	0.761	0.706	7.8	0.761	0.706	7.8
4-Methyl-2-pentanone	43	0.328	0.318	3.3	0.328	0.318	3.3
Toluene	91	2.188	1.940	12.8	2.188	1.940	12.8
trans-1,3-Dichloropropene	75	0.698	0.639	9.2	0.698	0.639	9.2
1,1,2-Trichloroethane	97	0.389	0.351	11.0	0.389	0.351	11.0
Tetrachloroethene	164	0.391	0.376	4.0	0.391	0.376	4.0
2-Hexanone	43	0.262	0.258	1.4	0.262	0.258	1.4
Dibromochloromethane	129	0.367	0.364	1.0	0.367	0.364	1.0
1,2-Dibromoethane	107	0.318	0.323	-1.5	0.318	0.323	-1.5
Chlorobenzene	112	1.428	1.322	8.0	1.428	1.322	8.0
Ethylbenzene	91	2.499	2.227	12.2	2.499	2.227	12.2
o-Xylene	106	0.829	0.760	9.1	0.829	0.760	9.1
m,p-Xylene	106	0.899	0.817	10.1	0.899	0.817	10.1
Styrene	104	1.424	1.238	15.1	1.424	1.238	15.1
Bromoform	173	0.413	0.412	0.3	0.413	0.412	0.3
Isopropylbenzene	105	2.268	2.027	11.9	2.268	2.027	11.9
1,1,2,2-Tetrachloroethane	83	0.424	0.398	6.3	0.424	0.398	6.3
1,3-Dichlorobenzene	146	1.978	2.023	-2.2	1.978	2.023	-2.2
1,4-Dichlorobenzene	146	2.225	2.170	2.6	2.225	2.170	2.6

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055B G21614 11/09/2012 20:25:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	2.016	1.948	3.5	2.016	1.948	3.5
1,2-Dibromo-3-chloropropane	75	0.113	0.128	-11.7	0.113	0.128	-11.7
1,2,4-Trichlorobenzene	180	0.767	0.928	-17.3	0.767	0.928	-17.3
1,2,3-Trichlorobenzene	180	0.664	0.761	-12.8	0.664	0.761	-12.8

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055B G21614 11/09/2012 20:25:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.389	0.399	-2.6	0.389	0.399	-2.6
Chloroethane-d5	69	0.176	0.172	2.6	0.176	0.172	2.6
1,1-Dichloroethene-d2	63	1.064	1.031	3.2	1.064	1.031	3.2
2-Butanone-d5	46	0.183	0.206	-11.3	0.183	0.206	-11.3
Chloroform-d	84	0.931	0.920	1.2	0.931	0.920	1.2
1,2-Dichloroethane-d4	65	0.540	0.548	-1.4	0.540	0.548	-1.4
Benzene-d6	84	1.997	2.034	-1.8	1.997	2.034	-1.8
1,2-Dichloropropane-d6	67	0.591	0.611	-3.2	0.591	0.611	-3.2
Toluene-d8	98	1.804	1.844	-2.2	1.804	1.844	-2.2
trans-1,3-Dichloropropene-d4	79	0.684	0.688	-0.6	0.684	0.688	-0.6
2-Hexanone-d5	63	0.249	0.253	-1.5	0.249	0.253	-1.5
1,1,2,2-Tetrachloroethane-d2	84	0.516	0.473	9.1	0.516	0.473	9.1
1,2-Dichlorobenzene-d4	152	1.333	1.411	-5.5	1.333	1.411	-5.5

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055C G21617 11/12/2012 09:56:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.516	0.562	-8.3	0.516	0.562	-8.3
Chloromethane	50	0.458	0.588	-22.2	0.458	0.588	-22.2
Vinyl chloride	62	0.388	0.455	-14.9	0.388	0.455	-14.9
Bromomethane	94	0.193	0.314	-38.6	0.193	0.314	-38.6
Chloroethane	64	0.138	0.137	1.2	0.138	0.137	1.2
Trichlorofluoromethane	101	0.679	0.655	3.6	0.679	0.655	3.6
1,1-Dichloroethene	96	0.361	0.402	-10.3	0.361	0.402	-10.3
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.402	0.430	-6.5	0.402	0.430	-6.5
Acetone	43	0.102	0.093	9.2	0.102	0.093	9.2
Carbon disulfide	76	1.169	1.225	-4.5	1.169	1.225	-4.5
Methyl acetate	43	0.279	0.331	-15.9	0.279	0.331	-15.9
Methylene chloride	84	0.911	0.707	28.7	0.911	0.707	28.7
trans-1,2-Dichloroethene	96	0.374	0.438	-14.7	0.374	0.438	-14.7
Methyl tert-butyl ether	73	0.749	0.915	-18.2	0.749	0.915	-18.2
1,1-Dichloroethane	63	0.728	0.833	-12.5	0.728	0.833	-12.5
cis-1,2-Dichloroethene	96	0.345	0.435	-20.6	0.345	0.435	-20.6
2-Butanone	43	0.115	0.149	-22.6	0.115	0.149	-22.6
Bromochloromethane	128	0.180	0.196	-8.3	0.180	0.196	-8.3
Chloroform	83	0.737	0.793	-7.1	0.737	0.793	-7.1
1,1,1-Trichloroethane	97	0.661	0.743	-11.0	0.661	0.743	-11.0
Cyclohexane	56	0.671	0.823	-18.5	0.671	0.823	-18.5
Carbon tetrachloride	117	0.568	0.635	-10.5	0.568	0.635	-10.5
Benzene	78	1.570	1.828	-14.1	1.570	1.828	-14.1

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055C G21617 11/12/2012 09:56:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.529	0.578	-8.3	0.529	0.578	-8.3

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055C G21617 11/12/2012 09:56:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.431	0.482	-10.5	0.431	0.482	-10.5
Methylcyclohexane	83	0.581	0.714	-18.7	0.581	0.714	-18.7
1,2-Dichloropropane	63	0.414	0.486	-14.9	0.414	0.486	-14.9
Bromodichloromethane	83	0.496	0.544	-8.9	0.496	0.544	-8.9
cis-1,3-Dichloropropene	75	0.621	0.706	-12.0	0.621	0.706	-12.0
4-Methyl-2-pentanone	43	0.262	0.318	-17.4	0.262	0.318	-17.4
Toluene	91	1.753	1.940	-9.6	1.753	1.940	-9.6
trans-1,3-Dichloropropene	75	0.588	0.639	-8.1	0.588	0.639	-8.1
1,1,2-Trichloroethane	97	0.299	0.351	-14.8	0.299	0.351	-14.8
Tetrachloroethene	164	0.307	0.376	-18.4	0.307	0.376	-18.4
2-Hexanone	43	0.196	0.258	-24.3	0.196	0.258	-24.3
Dibromochloromethane	129	0.321	0.364	-11.7	0.321	0.364	-11.7
1,2-Dibromoethane	107	0.265	0.323	-18.1	0.265	0.323	-18.1
Chlorobenzene	112	1.158	1.322	-12.5	1.158	1.322	-12.5
Ethylbenzene	91	1.971	2.227	-11.5	1.971	2.227	-11.5
o-Xylene	106	0.663	0.760	-12.8	0.663	0.760	-12.8
m,p-Xylene	106	0.727	0.817	-11.0	0.727	0.817	-11.0
Styrene	104	1.157	1.238	-6.5	1.157	1.238	-6.5
Bromoform	173	0.396	0.412	-3.8	0.396	0.412	-3.8
Isopropylbenzene	105	1.813	2.027	-10.5	1.813	2.027	-10.5
1,1,2,2-Tetrachloroethane	83	0.340	0.398	-14.6	0.340	0.398	-14.6
1,3-Dichlorobenzene	146	1.600	2.023	-20.9	1.600	2.023	-20.9
1,4-Dichlorobenzene	146	1.849	2.170	-14.8	1.849	2.170	-14.8

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055C G21617 11/12/2012 09:56:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	1.676	1.948	-14.0	1.676	1.948	-14.0
1,2-Dibromo-3-chloropropane	75	0.100	0.128	-21.5	0.100	0.128	-21.5
1,2,4-Trichlorobenzene	180	0.674	0.928	-27.4	0.674	0.928	-27.4
1,2,3-Trichlorobenzene	180	0.591	0.761	-22.4	0.591	0.761	-22.4

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055C G21617 11/12/2012 09:56:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.322	0.399	-19.4	0.322	0.399	-19.4
Chloroethane-d5	69	0.177	0.172	2.9	0.177	0.172	2.9
1,1-Dichloroethene-d2	63	0.896	1.031	-13.0	0.896	1.031	-13.0
2-Butanone-d5	46	0.159	0.206	-22.9	0.159	0.206	-22.9
Chloroform-d	84	0.804	0.920	-12.6	0.804	0.920	-12.6
1,2-Dichloroethane-d4	65	0.481	0.548	-12.1	0.481	0.548	-12.1
Benzene-d6	84	1.669	2.034	-17.9	1.669	2.034	-17.9
1,2-Dichloropropane-d6	67	0.489	0.611	-19.8	0.489	0.611	-19.8
Toluene-d8	98	1.516	1.844	-17.8	1.516	1.844	-17.8
trans-1,3-Dichloropropene-d4	79	0.599	0.688	-12.9	0.599	0.688	-12.9
2-Hexanone-d5	63	0.209	0.253	-17.3	0.209	0.253	-17.3
1,1,2,2-Tetrachloroethane-d2	84	0.397	0.473	-16.0	0.397	0.473	-16.0
1,2-Dichlorobenzene-d4	152	1.109	1.411	-21.4	1.109	1.411	-21.4

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055D G21635 11/12/2012 20:42:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.517	0.562	-8.0	0.517	0.562	-8.0
Chloromethane	50	0.475	0.588	-19.2	0.475	0.588	-19.2
Vinyl chloride	62	0.422	0.455	-7.2	0.422	0.455	-7.2
Bromomethane	94	0.224	0.314	-28.7	0.224	0.314	-28.7
Chloroethane	64	0.121	0.137	-11.2	0.121	0.137	-11.2
Trichlorofluoromethane	101	0.432	0.655	-34.0	0.432	0.655	-34.0
1,1-Dichloroethene	96	0.385	0.402	-4.4	0.385	0.402	-4.4
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.435	0.430	1.1	0.435	0.430	1.1
Acetone	43	0.067	0.093	-28.1	0.067	0.093	-28.1
Carbon disulfide	76	1.053	1.225	-14.0	1.053	1.225	-14.0
Methyl acetate	43	0.296	0.331	-10.7	0.296	0.331	-10.7
Methylene chloride	84	0.552	0.707	-22.0	0.552	0.707	-22.0
trans-1,2-Dichloroethene	96	0.386	0.438	-11.9	0.386	0.438	-11.9
Methyl tert-butyl ether	73	0.821	0.915	-10.3	0.821	0.915	-10.3
1,1-Dichloroethane	63	0.768	0.833	-7.8	0.768	0.833	-7.8
cis-1,2-Dichloroethene	96	0.380	0.435	-12.6	0.380	0.435	-12.6
2-Butanone	43	0.116	0.149	-21.7	0.116	0.149	-21.7
Bromochloromethane	128	0.183	0.196	-6.5	0.183	0.196	-6.5
Chloroform	83	0.752	0.793	-5.2	0.752	0.793	-5.2
1,1,1-Trichloroethane	97	0.676	0.743	-9.0	0.676	0.743	-9.0
Cyclohexane	56	0.736	0.823	-10.6	0.736	0.823	-10.6
Carbon tetrachloride	117	0.558	0.635	-12.0	0.558	0.635	-12.0
Benzene	78	1.704	1.828	-6.8	1.704	1.828	-6.8

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055D G21635 11/12/2012 20:42:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.537	0.578	-7.0	0.537	0.578	-7.0

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055D G21635 11/12/2012 20:42:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.452	0.482	-6.2	0.452	0.482	-6.2
Methylcyclohexane	83	0.631	0.714	-11.7	0.631	0.714	-11.7
1,2-Dichloropropane	63	0.435	0.486	-10.4	0.435	0.486	-10.4
Bromodichloromethane	83	0.491	0.544	-9.8	0.491	0.544	-9.8
cis-1,3-Dichloropropene	75	0.645	0.706	-8.6	0.645	0.706	-8.6
4-Methyl-2-pentanone	43	0.289	0.318	-9.0	0.289	0.318	-9.0
Toluene	91	1.843	1.940	-5.0	1.843	1.940	-5.0
trans-1,3-Dichloropropene	75	0.590	0.639	-7.7	0.590	0.639	-7.7
1,1,2-Trichloroethane	97	0.328	0.351	-6.4	0.328	0.351	-6.4
Tetrachloroethene	164	0.324	0.376	-13.7	0.324	0.376	-13.7
2-Hexanone	43	0.209	0.258	-19.1	0.209	0.258	-19.1
Dibromochloromethane	129	0.309	0.364	-15.2	0.309	0.364	-15.2
1,2-Dibromoethane	107	0.278	0.323	-14.0	0.278	0.323	-14.0
Chlorobenzene	112	1.194	1.322	-9.7	1.194	1.322	-9.7
Ethylbenzene	91	2.069	2.227	-7.1	2.069	2.227	-7.1
o-Xylene	106	0.697	0.760	-8.3	0.697	0.760	-8.3
m,p-Xylene	106	0.748	0.817	-8.4	0.748	0.817	-8.4
Styrene	104	1.203	1.238	-2.8	1.203	1.238	-2.8
Bromoform	173	0.346	0.412	-15.8	0.346	0.412	-15.8
Isopropylbenzene	105	1.906	2.027	-6.0	1.906	2.027	-6.0
1,1,2,2-Tetrachloroethane	83	0.361	0.398	-9.3	0.361	0.398	-9.3
1,3-Dichlorobenzene	146	1.660	2.023	-17.9	1.660	2.023	-17.9
1,4-Dichlorobenzene	146	1.835	2.170	-15.4	1.835	2.170	-15.4

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055D G21635 11/12/2012 20:42:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	1.704	1.948	-12.5	1.704	1.948	-12.5
1,2-Dibromo-3-chloropropane	75	0.096	0.128	-25.0	0.096	0.128	-25.0
1,2,4-Trichlorobenzene	180	0.668	0.928	-28.0	0.668	0.928	-28.0
1,2,3-Trichlorobenzene	180	0.569	0.761	-25.2	0.569	0.761	-25.2

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055D G21635 11/12/2012 20:42:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.324	0.399	-18.8	0.324	0.399	-18.8
Chloroethane-d5	69	0.151	0.172	-12.0	0.151	0.172	-12.0
1,1-Dichloroethene-d2	63	0.919	1.031	-10.8	0.919	1.031	-10.8
2-Butanone-d5	46	0.168	0.206	-18.6	0.168	0.206	-18.6
Chloroform-d	84	0.795	0.920	-13.6	0.795	0.920	-13.6
1,2-Dichloroethane-d4	65	0.480	0.548	-12.4	0.480	0.548	-12.4
Benzene-d6	84	1.753	2.034	-13.8	1.753	2.034	-13.8
1,2-Dichloropropane-d6	67	0.514	0.611	-15.8	0.514	0.611	-15.8
Toluene-d8	98	1.578	1.844	-14.4	1.578	1.844	-14.4
trans-1,3-Dichloropropene-d4	79	0.611	0.688	-11.1	0.611	0.688	-11.1
2-Hexanone-d5	63	0.230	0.253	-8.9	0.230	0.253	-8.9
1,1,2,2-Tetrachloroethane-d2	84	0.407	0.473	-13.9	0.407	0.473	-13.9
1,2-Dichlorobenzene-d4	152	1.153	1.411	-18.3	1.153	1.411	-18.3

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055E G21637 11/12/2012 22:31:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.518	0.562	-7.8	0.518	0.562	-7.8
Chloromethane	50	0.481	0.588	-18.2	0.481	0.588	-18.2
Vinyl chloride	62	0.409	0.455	-10.3	0.409	0.455	-10.3
Bromomethane	94	0.235	0.314	-24.9	0.235	0.314	-24.9
Chloroethane	64	0.123	0.137	-10.2	0.123	0.137	-10.2
Trichlorofluoromethane	101	0.604	0.655	-7.8	0.604	0.655	-7.8
1,1-Dichloroethene	96	0.375	0.402	-6.7	0.375	0.402	-6.7
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.413	0.430	-3.8	0.413	0.430	-3.8
Acetone	43	0.057	0.093	-38.3	0.057	0.093	-38.3
Carbon disulfide	76	1.065	1.225	-13.0	1.065	1.225	-13.0
Methyl acetate	43	0.207	0.331	-37.6	0.207	0.331	-37.6
Methylene chloride	84	0.507	0.707	-28.3	0.507	0.707	-28.3
trans-1,2-Dichloroethene	96	0.376	0.438	-14.2	0.376	0.438	-14.2
Methyl tert-butyl ether	73	0.695	0.915	-24.0	0.695	0.915	-24.0
1,1-Dichloroethane	63	0.730	0.833	-12.3	0.730	0.833	-12.3
cis-1,2-Dichloroethene	96	0.359	0.435	-17.4	0.359	0.435	-17.4
2-Butanone	43	0.096	0.149	-35.6	0.096	0.149	-35.6
Bromochloromethane	128	0.170	0.196	-13.2	0.170	0.196	-13.2
Chloroform	83	0.716	0.793	-9.8	0.716	0.793	-9.8
1,1,1-Trichloroethane	97	0.649	0.743	-12.6	0.649	0.743	-12.6
Cyclohexane	56	0.714	0.823	-13.3	0.714	0.823	-13.3
Carbon tetrachloride	117	0.551	0.635	-13.2	0.551	0.635	-13.2
Benzene	78	1.665	1.828	-8.9	1.665	1.828	-8.9

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055E G21637 11/12/2012 22:31:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.493	0.578	-14.7	0.493	0.578	-14.7

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055E G21637 11/12/2012 22:31:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.438	0.482	-9.0	0.438	0.482	-9.0
Methylcyclohexane	83	0.608	0.714	-14.8	0.608	0.714	-14.8
1,2-Dichloropropane	63	0.422	0.486	-13.2	0.422	0.486	-13.2
Bromodichloromethane	83	0.469	0.544	-13.8	0.469	0.544	-13.8
cis-1,3-Dichloropropene	75	0.614	0.706	-13.0	0.614	0.706	-13.0
4-Methyl-2-pentanone	43	0.229	0.318	-27.8	0.229	0.318	-27.8
Toluene	91	1.742	1.940	-10.2	1.742	1.940	-10.2
trans-1,3-Dichloropropene	75	0.542	0.639	-15.2	0.542	0.639	-15.2
1,1,2-Trichloroethane	97	0.293	0.351	-16.3	0.293	0.351	-16.3
Tetrachloroethene	164	0.313	0.376	-16.7	0.313	0.376	-16.7
2-Hexanone	43	0.171	0.258	-33.7	0.171	0.258	-33.7
Dibromochloromethane	129	0.292	0.364	-19.8	0.292	0.364	-19.8
1,2-Dibromoethane	107	0.248	0.323	-23.2	0.248	0.323	-23.2
Chlorobenzene	112	1.147	1.322	-13.3	1.147	1.322	-13.3
Ethylbenzene	91	1.980	2.227	-11.1	1.980	2.227	-11.1
o-Xylene	106	0.670	0.760	-11.8	0.670	0.760	-11.8
m,p-Xylene	106	0.713	0.817	-12.7	0.713	0.817	-12.7
Styrene	104	1.146	1.238	-7.4	1.146	1.238	-7.4
Bromoform	173	0.328	0.412	-20.3	0.328	0.412	-20.3
Isopropylbenzene	105	1.801	2.027	-11.2	1.801	2.027	-11.2
1,1,2,2-Tetrachloroethane	83	0.314	0.398	-21.2	0.314	0.398	-21.2
1,3-Dichlorobenzene	146	1.664	2.023	-17.7	1.664	2.023	-17.7
1,4-Dichlorobenzene	146	1.828	2.170	-15.7	1.828	2.170	-15.7

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055E G21637 11/12/2012 22:31:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	1.719	1.948	-11.8	1.719	1.948	-11.8
1,2-Dibromo-3-chloropropane	75	0.088	0.128	-31.1	0.088	0.128	-31.1
1,2,4-Trichlorobenzene	180	0.687	0.928	-26.0	0.687	0.928	-26.0
1,2,3-Trichlorobenzene	180	0.587	0.761	-22.9	0.587	0.761	-22.9

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055E G21637 11/12/2012 22:31:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.340	0.399	-15.0	0.340	0.399	-15.0
Chloroethane-d5	69	0.163	0.172	-5.5	0.163	0.172	-5.5
1,1-Dichloroethene-d2	63	0.929	1.031	-9.9	0.929	1.031	-9.9
2-Butanone-d5	46	0.143	0.206	-30.7	0.143	0.206	-30.7
Chloroform-d	84	0.832	0.920	-9.6	0.832	0.920	-9.6
1,2-Dichloroethane-d4	65	0.470	0.548	-14.3	0.470	0.548	-14.3
Benzene-d6	84	1.796	2.034	-11.7	1.796	2.034	-11.7
1,2-Dichloropropane-d6	67	0.517	0.611	-15.3	0.517	0.611	-15.3
Toluene-d8	98	1.596	1.844	-13.4	1.596	1.844	-13.4
trans-1,3-Dichloropropene-d4	79	0.579	0.688	-15.8	0.579	0.688	-15.8
2-Hexanone-d5	63	0.193	0.253	-23.8	0.193	0.253	-23.8
1,1,2,2-Tetrachloroethane-d2	84	0.379	0.473	-19.8	0.379	0.473	-19.8
1,2-Dichlorobenzene-d4	152	1.192	1.411	-15.5	1.192	1.411	-15.5

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055F G21657 11/13/2012 08:25:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.630	0.562	12.0	0.630	0.562	12.0
Chloromethane	50	0.583	0.588	-1.0	0.583	0.588	-1.0
Vinyl chloride	62	0.504	0.455	10.7	0.504	0.455	10.7
Bromomethane	94	0.269	0.314	-14.2	0.269	0.314	-14.2
Chloroethane	64	0.150	0.137	10.0	0.150	0.137	10.0
Trichlorofluoromethane	101	0.468	0.655	-28.6	0.468	0.655	-28.6
1,1-Dichloroethene	96	0.467	0.402	16.1	0.467	0.402	16.1
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.511	0.430	19.0	0.511	0.430	19.0
Acetone	43	0.085	0.093	-8.6	0.085	0.093	-8.6
Carbon disulfide	76	1.310	1.225	7.0	1.310	1.225	7.0
Methyl acetate	43	0.330	0.331	-0.6	0.330	0.331	-0.6
Methylene chloride	84	0.694	0.707	-1.9	0.694	0.707	-1.9
trans-1,2-Dichloroethene	96	0.468	0.438	6.9	0.468	0.438	6.9
Methyl tert-butyl ether	73	0.941	0.915	2.8	0.941	0.915	2.8
1,1-Dichloroethane	63	0.931	0.833	11.8	0.931	0.833	11.8
cis-1,2-Dichloroethene	96	0.456	0.435	4.9	0.456	0.435	4.9
2-Butanone	43	0.142	0.149	-4.4	0.142	0.149	-4.4
Bromochloromethane	128	0.216	0.196	10.4	0.216	0.196	10.4
Chloroform	83	0.913	0.793	15.1	0.913	0.793	15.1
1,1,1-Trichloroethane	97	0.798	0.743	7.4	0.798	0.743	7.4
Cyclohexane	56	0.860	0.823	4.4	0.860	0.823	4.4
Carbon tetrachloride	117	0.666	0.635	4.9	0.666	0.635	4.9
Benzene	78	2.010	1.828	10.0	2.010	1.828	10.0

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055F G21657 11/13/2012 08:25:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.643	0.578	11.3	0.643	0.578	11.3

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055F G21657 11/13/2012 08:25:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.539	0.482	12.0	0.539	0.482	12.0
Methylcyclohexane	83	0.735	0.714	2.9	0.735	0.714	2.9
1,2-Dichloropropane	63	0.523	0.486	7.5	0.523	0.486	7.5
Bromodichloromethane	83	0.569	0.544	4.6	0.569	0.544	4.6
cis-1,3-Dichloropropene	75	0.736	0.706	4.2	0.736	0.706	4.2
4-Methyl-2-pentanone	43	0.327	0.318	3.0	0.327	0.318	3.0
Toluene	91	2.177	1.940	12.2	2.177	1.940	12.2
trans-1,3-Dichloropropene	75	0.666	0.639	4.2	0.666	0.639	4.2
1,1,2-Trichloroethane	97	0.365	0.351	4.1	0.365	0.351	4.1
Tetrachloroethene	164	0.382	0.376	1.6	0.382	0.376	1.6
2-Hexanone	43	0.240	0.258	-7.1	0.240	0.258	-7.1
Dibromochloromethane	129	0.352	0.364	-3.3	0.352	0.364	-3.3
1,2-Dibromoethane	107	0.324	0.323	0.4	0.324	0.323	0.4
Chlorobenzene	112	1.413	1.322	6.9	1.413	1.322	6.9
Ethylbenzene	91	2.430	2.227	9.1	2.430	2.227	9.1
o-Xylene	106	0.820	0.760	7.9	0.820	0.760	7.9
m,p-Xylene	106	0.891	0.817	9.1	0.891	0.817	9.1
Styrene	104	1.388	1.238	12.2	1.388	1.238	12.2
Bromoform	173	0.416	0.412	1.2	0.416	0.412	1.2
Isopropylbenzene	105	2.206	2.027	8.8	2.206	2.027	8.8
1,1,2,2-Tetrachloroethane	83	0.400	0.398	0.4	0.400	0.398	0.4
1,3-Dichlorobenzene	146	2.015	2.023	-0.4	2.015	2.023	-0.4
1,4-Dichlorobenzene	146	2.182	2.170	0.6	2.182	2.170	0.6

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055F G21657 11/13/2012 08:25:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	2.068	1.948	6.2	2.068	1.948	6.2
1,2-Dibromo-3-chloropropane	75	0.106	0.128	-17.4	0.106	0.128	-17.4
1,2,4-Trichlorobenzene	180	0.753	0.928	-18.9	0.753	0.928	-18.9
1,2,3-Trichlorobenzene	180	0.701	0.761	-8.0	0.701	0.761	-8.0

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055F G21657 11/13/2012 08:25:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.397	0.399	-0.6	0.397	0.399	-0.6
Chloroethane-d5	69	0.184	0.172	7.3	0.184	0.172	7.3
1,1-Dichloroethene-d2	63	1.117	1.031	8.4	1.117	1.031	8.4
2-Butanone-d5	46	0.192	0.206	-6.9	0.192	0.206	-6.9
Chloroform-d	84	0.991	0.920	7.7	0.991	0.920	7.7
1,2-Dichloroethane-d4	65	0.573	0.548	4.6	0.573	0.548	4.6
Benzene-d6	84	2.078	2.034	2.1	2.078	2.034	2.1
1,2-Dichloropropane-d6	67	0.616	0.611	0.8	0.616	0.611	0.8
Toluene-d8	98	1.875	1.844	1.7	1.875	1.844	1.7
trans-1,3-Dichloropropene-d4	79	0.670	0.688	-2.6	0.670	0.688	-2.6
2-Hexanone-d5	63	0.251	0.253	-0.5	0.251	0.253	-0.5
1,1,2,2-Tetrachloroethane-d2	84	0.461	0.473	-2.4	0.461	0.473	-2.4
1,2-Dichlorobenzene-d4	152	1.373	1.411	-2.7	1.373	1.411	-2.7

National Functional Guidelines Report #15

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

System Performance
Performance Evaluation Mixture Data Summary

NONE FOUND

SYS_SAMPLE_CODE	SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_TYPE_CODE
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample
GW-0001	E2SG1	W	Field_Sample

GW-0001	E2SG1	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample
GW-0003	E2SG5	W	Field_Sample

GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0016	E2SG6	W	Field_Sample
GW-0002	E2SH0	W	Field_Sample

GW-0002	E2SH0	W	Field_Sample
GW-0002	E2SH0	W	Field_Sample
GW-0002	E2SH0	W	Field_Sample
GW-0002	E2SH0	W	Field_Sample
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GW-0015	E2SJ7	W	Field_Sample
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GW-0015	E2SJ7	W	Field_Sample
GW-0015	E2SJ7	W	Field_Sample
GW-0015	E2SJ7	W	Field_Sample
GW-0015	E2SJ7	W	Field_Sample
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GW-0013	E2SJ6DL	W	Field_Sample
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GW-0003	E2SG5MS	W	Matrix_Spike
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	25.0	mL	
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	25.0	mL	
	25.0	mL	

FINAL_VOLUME	FINAL_VOLUME_UNIT	CAS_RN	CHEMICAL_NAME
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene

		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene

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		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
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		156-60-5	trans-1,2-Dichloroethene
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		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
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		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
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		79-20-9	Methyl acetate
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		156-60-5	trans-1,2-Dichloroethene
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		75-34-3	1,1-Dichloroethane
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		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
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		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
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		10061-02-6	trans-1,3-Dichloropropene
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		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
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		75-71-8	Dichlorodifluoromethane
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		75-69-4	Trichlorofluoromethane
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		156-60-5	trans-1,2-Dichloroethene
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		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
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		79-20-9	Methyl acetate
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		156-60-5	trans-1,2-Dichloroethene
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		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
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		71-55-6	1,1,1-Trichloroethane
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		107-06-2	1,2-Dichloroethane
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		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
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		100-42-5	Styrene
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		541-73-1	1,3-Dichlorobenzene
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		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
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		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
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		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
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		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
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		79-00-5	1,1,2-Trichloroethane
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		95-50-1	1,2-Dichlorobenzene
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		120-82-1	1,2,4-Trichlorobenzene
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		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
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		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
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		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
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		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
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		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene

		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth

		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone

		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide

		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate

		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride

		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene

		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether

		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane

		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
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		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene

		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone

		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane

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		71-55-6	1,1,1-Trichloroethane
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		107-06-2	1,2-Dichloroethane
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		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
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		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
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		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
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		95-50-1	1,2-Dichlorobenzene
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		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
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		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
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		78-87-5	1,2-Dichloropropane
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		10061-01-5	cis-1,3-Dichloropropene
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		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
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		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
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		95-50-1	1,2-Dichlorobenzene
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		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane

		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
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		541-73-1	1,3-Dichlorobenzene
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		95-50-1	1,2-Dichlorobenzene
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		120-82-1	1,2,4-Trichlorobenzene
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		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
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		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
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		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
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		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
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		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
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		95-50-1	1,2-Dichlorobenzene
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		100-41-4	Ethylbenzene
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		179601-23-1	m,p-Xylene
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		75-25-2	Bromoform
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		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene

RESULT_VALUE	RESULT_ERROR_DELTA	RESULT_TYPE_CODE	REPORTABLE_RESULT
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0.50		TRG	YES
0.50		TRG	YES
5.0		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
1.0		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
5.0		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.14		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.26		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
5.0		TRG	YES
0.96		TRG	YES
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0.50		TRG	YES
0.50		TRG	YES
5.0		TRG	YES
0.50		TRG	YES
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0.50		TRG	YES
0.20		TRG	YES
0.12		TRG	YES
0.28		TRG	YES
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0.50		TRG	YES
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0.50		TRG	YES
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0.50		TRG	YES

0.50		TRG	YES
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0.50		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
5.0		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
1.0		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
5.0		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
0.50		TRG	YES
5.0		TRG	YES
0.50		TRG	YES
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DETECT_FLAG	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	ORGANIC_YN
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Edit History Report

Case No: 43075 Contract: EPW11031 SDG No: E2SG1 Lab Code: KAP

Method: VOA_Trace

Sample	Matrix	Analyte Name	Data Field	Old Value	New Value	User	Edit Date Time	Global
E2SG1	Water	Methylene chloride	Validated Result	0.50	1.0	Steffanie Tobin	12/11/12 11:26 AM	
E2SG5	Water	Methylene chloride	Validated Result	0.50	1.0	Steffanie Tobin	12/11/12 11:28 AM	
E2SG5MS	Water	Methylene chloride	Validated Result	0.50	1.0	Steffanie Tobin	12/11/12 11:28 AM	
E2SG5MSD	Water	Methylene chloride	Validated Result	0.50	1.0	Steffanie Tobin	12/11/12 11:29 AM	
E2SH0	Water	Methylene chloride	Validated Result	0.50	1.0	Steffanie Tobin	12/11/12 11:29 AM	
E2SH2	Water	Methylene chloride	Validated Result	2.0	4.0	Steffanie Tobin	12/11/12 11:30 AM	
E2SH2	Water	Trichloroethene	Validation Flag		J	Steffanie Tobin	12/11/12 11:34 AM	
E2SH4	Water	Trichloroethene	Validation Flag		J	Steffanie Tobin	12/11/12 11:35 AM	
E2SH4DL	Water	Methylene chloride	Validated Result	5.0	10	Steffanie Tobin	12/11/12 11:31 AM	
E2SH6	Water	Bromomethane	Validation Flag	UJ	U	Steffanie Tobin	12/17/12 8:12 AM	
E2SH6	Water	Trichloroethene	Validation Flag		J	Steffanie Tobin	12/11/12 11:36 AM	
E2SH6DL	Water	Methylene chloride	Validated Result	5.0	10	Steffanie Tobin	12/11/12 11:31 AM	
E2SH8	Water	Bromomethane	Validation Flag	UJ	U	Steffanie Tobin	12/17/12 8:13 AM	
E2SH9	Water	Bromomethane	Validation Flag	UJ	U	Steffanie Tobin	12/17/12 8:13 AM	
E2SH9	Water	Methylene chloride	Validated Result	0.50	1.0	Steffanie Tobin	12/11/12 11:32 AM	
E2SJ4	Water	Methylene chloride	Validated Result	0.50	0.21	Steffanie Tobin	12/15/12 9:21 PM	
E2SJ4	Water	Methylene chloride	Validation Flag	U	J	Steffanie Tobin	12/15/12 9:21 PM	
E2SJ6	Water	Trichloroethene	Validation Flag		J	Steffanie Tobin	12/11/12 11:36 AM	
E2SJ6DL	Water	Methylene chloride	Validated Result	5.0	2.6	Steffanie Tobin	12/15/12 9:22 PM	
E2SJ6DL	Water	Methylene chloride	Validation Flag	U	J	Steffanie Tobin	12/15/12 9:22 PM	
E2SJ7	Water	Methylene chloride	Validated Result	0.50	0.24	Steffanie Tobin	12/15/12 9:22 PM	
E2SJ7	Water	Methylene chloride	Validation Flag	U	J	Steffanie Tobin	12/15/12 9:22 PM	
E2SK1	Water	Methylene chloride	Validated Result	0.50	0.37	Steffanie Tobin	12/15/12 9:23 PM	
E2SK1	Water	Methylene chloride	Validation Flag	U	J	Steffanie Tobin	12/15/12 9:23 PM	
VHBLK01	Water	Methylene chloride	Validated Result	0.29	1.0	Steffanie Tobin	12/11/12 11:33 AM	
VHBLK01	Water	Methylene chloride	Validation Flag	J	U	Steffanie Tobin	12/11/12 11:33 AM	

Sample Summary Report

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SG1	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0001	pH:	2	Sample Date:	10/30/2012	Sample Time:	12:30:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.50	UG/L	1.0	U	U	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluorom ethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	1.0	UG/L	1.0	JB	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromet hane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.14	UG/L	1.0	J	J	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexa ne	0.26	UG/L	1.0	J	J	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.96	UG/L	1.0			Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.20	UG/L	1.0	J	J	Yes	
o-Xylene	0.12	UG/L	1.0	J	J	Yes	
m,p-Xylene	0.28	UG/L	1.0	J	J	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	UJ	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	JB	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SG5	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0003	pH:	2	Sample Date:	10/30/2012	Sample Time:	14:30:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.50	UG/L	1.0	U	U	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	1.0	UG/L	1.0	JB	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	UJ	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP
Sample Number: E2SG5MS	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location: GW-0003	pH: 2	Sample Date: 10/30/2012	Sample Time: 14:30:00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1-Dichloroethene	3.4	UG/L	1.0			Yes	
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Benzene	4.5	UG/L	1.0			Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	4.3	UG/L	1.0			Yes	
Bromomethane	0.50	UG/L	1.0	U	U	Yes	
Toluene	5.7	UG/L	1.0			Yes	
Chlorobenzene	4.8	UG/L	1.0			Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	1.0	UG/L	1.0	JB	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	UJ	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SG5MSD	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0003	pH:	2	Sample Date:	10/30/2012	Sample Time:	14:30:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1-Dichloroethene	3.8	UG/L	1.0			Yes	
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Benzene	4.4	UG/L	1.0			Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	4.4	UG/L	1.0			Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.50	UG/L	1.0	U	U	Yes	
Toluene	5.1	UG/L	1.0			Yes	
Chlorobenzene	5.2	UG/L	1.0			Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	1.0	UG/L	1.0	JB	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	UJ	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP

Sample Number:	E2SG6	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0016	pH:	2	Sample Date:	11/01/2012	Sample Time:	15:15:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.42	UG/L	1.0	J	J	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.50	UG/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SH0	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0002	pH:	2	Sample Date:	10/30/2012	Sample Time:	15:30:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.50	UG/L	1.0	U	U	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	1.0	UG/L	1.0	JB	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	3.8	UG/L	1.0			Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.48	UG/L	1.0	J	J	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	UJ	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.18	UG/L	1.0	J	J	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	JB	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SH2	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0006	pH:	2	Sample Date:	10/31/2012	Sample Time:	10:35:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	2.0	UG/L	4.0	U	U	Yes	
Chloromethane	2.0	UG/L	4.0	U	U	Yes	
Vinyl chloride	2.0	UG/L	4.0	U	U	Yes	
Bromomethane	2.0	UG/L	4.0	U	U	Yes	
Chloroethane	2.0	UG/L	4.0	U	U	Yes	
Trichlorofluoromethane	2.0	UG/L	4.0	U	U	Yes	
1,1-Dichloroethene	2.0	UG/L	4.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	UG/L	4.0	U	U	Yes	
Acetone	20	UG/L	4.0	U	U	Yes	
Carbon disulfide	2.0	UG/L	4.0	U	U	Yes	
Methyl acetate	2.0	UG/L	4.0	U	U	Yes	
Methylene chloride	4.0	UG/L	4.0	JB	U	Yes	
trans-1,2-Dichloroethene	2.0	UG/L	4.0	U	U	Yes	
Methyl tert-butyl ether	2.0	UG/L	4.0	U	U	Yes	
1,1-Dichloroethane	2.0	UG/L	4.0	U	U	Yes	
cis-1,2-Dichloroethene	2.8	UG/L	4.0			Yes	
2-Butanone	20	UG/L	4.0	U	U	Yes	
Bromochloromethane	2.0	UG/L	4.0	U	U	Yes	
Chloroform	2.0	UG/L	4.0	U	U	Yes	
1,1,1-Trichloroethane	2.0	UG/L	4.0	U	U	Yes	
Cyclohexane	0.80	UG/L	4.0	J	J	Yes	
Carbon tetrachloride	2.0	UG/L	4.0	U	U	Yes	
Benzene	2.0	UG/L	4.0	U	U	Yes	
1,2-Dichloroethane	2.0	UG/L	4.0	U	U	Yes	
Trichloroethene	92	UG/L	4.0	E	J	Yes	
Methylcyclohexane	2.0	UG/L	4.0	U	U	Yes	
1,2-Dichloropropane	2.0	UG/L	4.0	U	U	Yes	
Bromodichloromethane	2.0	UG/L	4.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	2.0	UG/L	4.0	U	U	Yes	
4-Methyl-2-pentanone	20	UG/L	4.0	U	U	Yes	
Toluene	2.3	UG/L	4.0			Yes	
trans-1,3-Dichloropropene	2.0	UG/L	4.0	U	U	Yes	
1,1,2-Trichloroethane	2.0	UG/L	4.0	U	U	Yes	
Tetrachloroethene	73	UG/L	4.0			Yes	
2-Hexanone	20	UG/L	4.0	U	U	Yes	
Dibromochloromethane	2.0	UG/L	4.0	U	U	Yes	
1,2-Dibromoethane	2.0	UG/L	4.0	U	U	Yes	
Chlorobenzene	2.0	UG/L	4.0	U	U	Yes	
Ethylbenzene	0.47	UG/L	4.0	J	J	Yes	
o-Xylene	2.0	UG/L	4.0	U	U	Yes	
m,p-Xylene	0.70	UG/L	4.0	J	J	Yes	
Styrene	2.0	UG/L	4.0	U	U	Yes	
Bromoform	2.0	UG/L	4.0	U	U	Yes	
Isopropylbenzene	2.0	UG/L	4.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	2.0	UG/L	4.0	U	U	Yes	
1,3-Dichlorobenzene	2.0	UG/L	4.0	U	U	Yes	
1,4-Dichlorobenzene	2.0	UG/L	4.0	U	U	Yes	
1,2-Dichlorobenzene	2.0	UG/L	4.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	2.0	UG/L	4.0	U	U	Yes	
1,2,4-Trichlorobenzene	2.0	UG/L	4.0	JB	U	Yes	
1,2,3-Trichlorobenzene	2.0	UG/L	4.0	U	U	Yes	
Butane, 2-methyl-			4.0	NJ		Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SH2DL	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0006	pH:	2	Sample Date:	10/31/2012	Sample Time:	10:35:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	2.5	UG/L	5.0	U	U	Yes	
Chloromethane	2.5	UG/L	5.0	U	U	Yes	
Vinyl chloride	2.5	UG/L	5.0	U	U	Yes	
Bromomethane	2.5	UG/L	5.0	U	U	Yes	
Chloroethane	2.5	UG/L	5.0	U	U	Yes	
Trichlorofluoromethane	2.5	UG/L	5.0	U	U	Yes	
1,1-Dichloroethene	2.5	UG/L	5.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	2.5	UG/L	5.0	U	U	Yes	
Acetone	25	UG/L	5.0	U	U	Yes	
Carbon disulfide	2.5	UG/L	5.0	U	U	Yes	
Methyl acetate	2.5	UG/L	5.0	U	U	Yes	
Methylene chloride	2.5	UG/L	5.0	U	U	Yes	
trans-1,2-Dichloroethene	2.5	UG/L	5.0	U	U	Yes	
Methyl tert-butyl ether	2.5	UG/L	5.0	U	U	Yes	
1,1-Dichloroethane	2.5	UG/L	5.0	U	UJ	Yes	
cis-1,2-Dichloroethene	2.3	UG/L	5.0	DJ	J	Yes	
2-Butanone	25	UG/L	5.0	U	U	Yes	
Bromochloromethane	2.5	UG/L	5.0	U	UJ	Yes	
Chloroform	2.5	UG/L	5.0	U	UJ	Yes	
1,1,1-Trichloroethane	2.5	UG/L	5.0	U	U	Yes	
Cyclohexane	2.5	UG/L	5.0	U	U	Yes	
Carbon tetrachloride	2.5	UG/L	5.0	U	U	Yes	
Benzene	2.5	UG/L	5.0	U	U	Yes	
1,2-Dichloroethane	2.5	UG/L	5.0	U	U	Yes	
Trichloroethene	87	UG/L	5.0	D		Yes	
Methylcyclohexane	2.5	UG/L	5.0	U	U	Yes	
1,2-Dichloropropane	2.5	UG/L	5.0	U	U	Yes	
Bromodichloromethane	2.5	UG/L	5.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	2.5	UG/L	5.0	U	U	Yes	
4-Methyl-2-pentanone	25	UG/L	5.0	U	U	Yes	
Toluene	2.5	UG/L	5.0	U	U	Yes	
trans-1,3-Dichloropropene	2.5	UG/L	5.0	U	U	Yes	
1,1,2-Trichloroethane	2.5	UG/L	5.0	U	U	Yes	
Tetrachloroethene	55	UG/L	5.0	D		Yes	
2-Hexanone	25	UG/L	5.0	U	U	Yes	
Dibromochloromethane	2.5	UG/L	5.0	U	UJ	Yes	
1,2-Dibromoethane	2.5	UG/L	5.0	U	U	Yes	
Chlorobenzene	2.5	UG/L	5.0	U	U	Yes	
Ethylbenzene	2.5	UG/L	5.0	U	U	Yes	
o-Xylene	2.5	UG/L	5.0	U	U	Yes	
m,p-Xylene	2.5	UG/L	5.0	U	U	Yes	
Styrene	2.5	UG/L	5.0	U	U	Yes	
Bromoform	2.5	UG/L	5.0	U	UJ	Yes	
Isopropylbenzene	2.5	UG/L	5.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	2.5	UG/L	5.0	U	U	Yes	
1,3-Dichlorobenzene	2.5	UG/L	5.0	U	U	Yes	
1,4-Dichlorobenzene	2.5	UG/L	5.0	U	U	Yes	
1,2-Dichlorobenzene	2.5	UG/L	5.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	2.5	UG/L	5.0	U	U	Yes	
1,2,4-Trichlorobenzene	2.5	UG/L	5.0	U	U	Yes	
1,2,3-Trichlorobenzene	2.5	UG/L	5.0	U	U	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP

Sample Number:	E2SH4	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0007	pH:	2	Sample Date:	10/31/2012	Sample Time:	11:45:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	2.0	UG/L	4.0	U	U	Yes	
Chloromethane	2.0	UG/L	4.0	U	U	Yes	
Vinyl chloride	2.0	UG/L	4.0	U	U	Yes	
Bromomethane	2.0	UG/L	4.0	U	U	Yes	
Chloroethane	2.0	UG/L	4.0	U	U	Yes	
Trichlorofluoromethane	2.0	UG/L	4.0	U	U	Yes	
1,1-Dichloroethene	2.0	UG/L	4.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	UG/L	4.0	U	U	Yes	
Acetone	20	UG/L	4.0	U	U	Yes	
Carbon disulfide	2.0	UG/L	4.0	U	U	Yes	
Methyl acetate	2.0	UG/L	4.0	U	U	Yes	
Methylene chloride	2.0	UG/L	4.0	U	U	Yes	
trans-1,2-Dichloroethene	2.0	UG/L	4.0	U	U	Yes	
Methyl tert-butyl ether	2.0	UG/L	4.0	U	U	Yes	
1,1-Dichloroethane	2.0	UG/L	4.0	U	U	Yes	
cis-1,2-Dichloroethene	2.0	UG/L	4.0	U	U	Yes	
2-Butanone	20	UG/L	4.0	U	U	Yes	
Bromochloromethane	2.0	UG/L	4.0	U	U	Yes	
Chloroform	2.0	UG/L	4.0	U	U	Yes	
1,1,1-Trichloroethane	2.0	UG/L	4.0	U	U	Yes	
Cyclohexane	2.0	UG/L	4.0	U	U	Yes	
Carbon tetrachloride	2.0	UG/L	4.0	U	U	Yes	
Benzene	2.0	UG/L	4.0	U	U	Yes	
1,2-Dichloroethane	2.0	UG/L	4.0	U	U	Yes	
Trichloroethene	82	UG/L	4.0	E	J	Yes	
Methylcyclohexane	2.0	UG/L	4.0	U	U	Yes	
1,2-Dichloropropane	2.0	UG/L	4.0	U	U	Yes	
Bromodichloromethane	2.0	UG/L	4.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	2.0	UG/L	4.0	U	U	Yes	
4-Methyl-2-pentanone	20	UG/L	4.0	U	U	Yes	
Toluene	2.0	UG/L	4.0	U	U	Yes	
trans-1,3-Dichloropropene	2.0	UG/L	4.0	U	U	Yes	
1,1,2-Trichloroethane	2.0	UG/L	4.0	U	U	Yes	
Tetrachloroethene	2.0	UG/L	4.0	U	U	Yes	
2-Hexanone	20	UG/L	4.0	U	U	Yes	
Dibromochloromethane	2.0	UG/L	4.0	U	U	Yes	
1,2-Dibromoethane	2.0	UG/L	4.0	U	U	Yes	
Chlorobenzene	2.0	UG/L	4.0	U	U	Yes	
Ethylbenzene	2.0	UG/L	4.0	U	U	Yes	
o-Xylene	2.0	UG/L	4.0	U	U	Yes	
m,p-Xylene	2.0	UG/L	4.0	U	U	Yes	
Styrene	2.0	UG/L	4.0	U	U	Yes	
Bromoform	2.0	UG/L	4.0	U	U	Yes	
Isopropylbenzene	2.0	UG/L	4.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	2.0	UG/L	4.0	U	U	Yes	
1,3-Dichlorobenzene	2.0	UG/L	4.0	U	U	Yes	
1,4-Dichlorobenzene	2.0	UG/L	4.0	U	U	Yes	
1,2-Dichlorobenzene	2.0	UG/L	4.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	2.0	UG/L	4.0	U	U	Yes	
1,2,4-Trichlorobenzene	2.0	UG/L	4.0	U	U	Yes	
1,2,3-Trichlorobenzene	2.0	UG/L	4.0	U	U	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP
Sample Number: E2SH4DL	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location: GW-0007	pH: 2	Sample Date: 10/31/2012	Sample Time: 11:45:00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	5.0	UG/L	10.0	U	U	Yes	
Chloromethane	5.0	UG/L	10.0	U	U	Yes	
Vinyl chloride	5.0	UG/L	10.0	U	U	Yes	
Bromomethane	5.0	UG/L	10.0	U	U	Yes	
Chloroethane	5.0	UG/L	10.0	U	U	Yes	
Trichlorofluoromethane	5.0	UG/L	10.0	U	U	Yes	
1,1-Dichloroethene	5.0	UG/L	10.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	UG/L	10.0	U	U	Yes	
Acetone	50	UG/L	10.0	U	U	Yes	
Carbon disulfide	5.0	UG/L	10.0	U	U	Yes	
Methyl acetate	5.0	UG/L	10.0	U	U	Yes	
Methylene chloride	10	UG/L	10.0	DJB	U	Yes	
trans-1,2-Dichloroethene	5.0	UG/L	10.0	U	U	Yes	
Methyl tert-butyl ether	5.0	UG/L	10.0	U	U	Yes	
1,1-Dichloroethane	5.0	UG/L	10.0	U	U	Yes	
cis-1,2-Dichloroethene	5.0	UG/L	10.0	U	U	Yes	
2-Butanone	50	UG/L	10.0	U	U	Yes	
Bromochloromethane	5.0	UG/L	10.0	U	U	Yes	
Chloroform	5.0	UG/L	10.0	U	U	Yes	
1,1,1-Trichloroethane	5.0	UG/L	10.0	U	U	Yes	
Cyclohexane	5.0	UG/L	10.0	U	U	Yes	
Carbon tetrachloride	5.0	UG/L	10.0	U	U	Yes	
Benzene	5.0	UG/L	10.0	U	U	Yes	
1,2-Dichloroethane	5.0	UG/L	10.0	U	U	Yes	
Trichloroethene	75	UG/L	10.0	D		Yes	
Methylcyclohexane	5.0	UG/L	10.0	U	U	Yes	
1,2-Dichloropropane	5.0	UG/L	10.0	U	U	Yes	
Bromodichloromethane	5.0	UG/L	10.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	5.0	UG/L	10.0	U	U	Yes	
4-Methyl-2-pentanone	50	UG/L	10.0	U	U	Yes	
Toluene	5.0	UG/L	10.0	U	U	Yes	
trans-1,3-Dichloropropene	5.0	UG/L	10.0	U	U	Yes	
1,1,2-Trichloroethane	5.0	UG/L	10.0	U	U	Yes	
Tetrachloroethene	5.0	UG/L	10.0	U	U	Yes	
2-Hexanone	50	UG/L	10.0	U	U	Yes	
Dibromochloromethane	5.0	UG/L	10.0	U	U	Yes	
1,2-Dibromoethane	5.0	UG/L	10.0	U	U	Yes	
Chlorobenzene	5.0	UG/L	10.0	U	U	Yes	
Ethylbenzene	5.0	UG/L	10.0	U	U	Yes	
o-Xylene	5.0	UG/L	10.0	U	U	Yes	
m,p-Xylene	5.0	UG/L	10.0	U	U	Yes	
Styrene	5.0	UG/L	10.0	U	U	Yes	
Bromoform	5.0	UG/L	10.0	U	U	Yes	
Isopropylbenzene	5.0	UG/L	10.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	5.0	UG/L	10.0	U	U	Yes	
1,3-Dichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,4-Dichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,2-Dichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	5.0	UG/L	10.0	U	U	Yes	
1,2,4-Trichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,2,3-Trichlorobenzene	5.0	UG/L	10.0	U	U	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP
Sample Number: E2SH6	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location: GW-0008	pH: 2	Sample Date: 10/31/2012	Sample Time: 13:00:00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	1.0	UG/L	2.0	U	U	Yes	
Chloromethane	1.0	UG/L	2.0	U	U	Yes	
Vinyl chloride	1.0	UG/L	2.0	U	U	Yes	
Bromomethane	1.0	UG/L	2.0	JB	U	Yes	
Chloroethane	1.0	UG/L	2.0	U	U	Yes	
Trichlorofluoromethane	1.0	UG/L	2.0	U	U	Yes	
1,1-Dichloroethene	1.0	UG/L	2.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	UG/L	2.0	U	U	Yes	
Acetone	10	UG/L	2.0	U	U	Yes	
Carbon disulfide	1.0	UG/L	2.0	U	U	Yes	
Methyl acetate	1.0	UG/L	2.0	U	U	Yes	
Methylene chloride	1.0	UG/L	2.0	U	U	Yes	
trans-1,2-Dichloroethene	1.0	UG/L	2.0	U	U	Yes	
Methyl tert-butyl ether	1.0	UG/L	2.0	U	U	Yes	
1,1-Dichloroethane	1.0	UG/L	2.0	U	U	Yes	
cis-1,2-Dichloroethene	1.0	UG/L	2.0	U	U	Yes	
2-Butanone	10	UG/L	2.0	U	U	Yes	
Bromochloromethane	1.0	UG/L	2.0	U	U	Yes	
Chloroform	1.0	UG/L	2.0	U	U	Yes	
1,1,1-Trichloroethane	1.0	UG/L	2.0	U	U	Yes	
Cyclohexane	1.0	UG/L	2.0	U	U	Yes	
Carbon tetrachloride	1.0	UG/L	2.0	U	U	Yes	
Benzene	1.0	UG/L	2.0	U	U	Yes	
1,2-Dichloroethane	1.0	UG/L	2.0	U	U	Yes	
Trichloroethene	60	UG/L	2.0	E	J	Yes	
Methylcyclohexane	1.0	UG/L	2.0	U	U	Yes	
1,2-Dichloropropane	1.0	UG/L	2.0	U	U	Yes	
Bromodichloromethane	1.0	UG/L	2.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	1.0	UG/L	2.0	U	U	Yes	
4-Methyl-2-pentanone	10	UG/L	2.0	U	U	Yes	
Toluene	1.0	UG/L	2.0	U	U	Yes	
trans-1,3-Dichloropropene	1.0	UG/L	2.0	U	U	Yes	
1,1,2-Trichloroethane	1.0	UG/L	2.0	U	U	Yes	
Tetrachloroethene	1.0	UG/L	2.0	U	U	Yes	
2-Hexanone	10	UG/L	2.0	U	U	Yes	
Dibromochloromethane	1.0	UG/L	2.0	U	U	Yes	
1,2-Dibromoethane	1.0	UG/L	2.0	U	U	Yes	
Chlorobenzene	1.0	UG/L	2.0	U	U	Yes	
Ethylbenzene	1.0	UG/L	2.0	U	U	Yes	
o-Xylene	1.0	UG/L	2.0	U	U	Yes	
m,p-Xylene	1.0	UG/L	2.0	U	U	Yes	
Styrene	1.0	UG/L	2.0	U	U	Yes	
Bromoform	1.0	UG/L	2.0	U	U	Yes	
Isopropylbenzene	1.0	UG/L	2.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	1.0	UG/L	2.0	U	U	Yes	
1,3-Dichlorobenzene	1.0	UG/L	2.0	U	U	Yes	
1,4-Dichlorobenzene	1.0	UG/L	2.0	U	U	Yes	
1,2-Dichlorobenzene	1.0	UG/L	2.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	1.0	UG/L	2.0	U	U	Yes	
1,2,4-Trichlorobenzene	1.0	UG/L	2.0	U	U	Yes	
1,2,3-Trichlorobenzene	1.0	UG/L	2.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SH6DL	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0008	pH:	2	Sample Date:	10/31/2012	Sample Time:	13:00:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	5.0	UG/L	10.0	U	U	Yes	
Chloromethane	5.0	UG/L	10.0	U	U	Yes	
Vinyl chloride	5.0	UG/L	10.0	U	U	Yes	
Bromomethane	5.0	UG/L	10.0	U	U	Yes	
Chloroethane	5.0	UG/L	10.0	U	U	Yes	
Trichlorofluoromethane	5.0	UG/L	10.0	U	U	Yes	
1,1-Dichloroethene	5.0	UG/L	10.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	UG/L	10.0	U	U	Yes	
Acetone	50	UG/L	10.0	U	U	Yes	
Carbon disulfide	5.0	UG/L	10.0	U	U	Yes	
Methyl acetate	5.0	UG/L	10.0	U	U	Yes	
Methylene chloride	10	UG/L	10.0	DJB	U	Yes	
trans-1,2-Dichloroethene	5.0	UG/L	10.0	U	U	Yes	
Methyl tert-butyl ether	5.0	UG/L	10.0	U	U	Yes	
1,1-Dichloroethane	5.0	UG/L	10.0	U	U	Yes	
cis-1,2-Dichloroethene	5.0	UG/L	10.0	U	U	Yes	
2-Butanone	50	UG/L	10.0	U	U	Yes	
Bromochloromethane	5.0	UG/L	10.0	U	U	Yes	
Chloroform	5.0	UG/L	10.0	U	U	Yes	
1,1,1-Trichloroethane	5.0	UG/L	10.0	U	U	Yes	
Cyclohexane	5.0	UG/L	10.0	U	U	Yes	
Carbon tetrachloride	5.0	UG/L	10.0	U	U	Yes	
Benzene	5.0	UG/L	10.0	U	U	Yes	
1,2-Dichloroethane	5.0	UG/L	10.0	U	U	Yes	
Trichloroethene	70	UG/L	10.0	D		Yes	
Methylcyclohexane	5.0	UG/L	10.0	U	U	Yes	
1,2-Dichloropropane	5.0	UG/L	10.0	U	U	Yes	
Bromodichloromethane	5.0	UG/L	10.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	5.0	UG/L	10.0	U	U	Yes	
4-Methyl-2-pentanone	50	UG/L	10.0	U	U	Yes	
Toluene	5.0	UG/L	10.0	U	U	Yes	
trans-1,3-Dichloropropene	5.0	UG/L	10.0	U	U	Yes	
1,1,2-Trichloroethane	5.0	UG/L	10.0	U	U	Yes	
Tetrachloroethene	5.0	UG/L	10.0	U	U	Yes	
2-Hexanone	50	UG/L	10.0	U	U	Yes	
Dibromochloromethane	5.0	UG/L	10.0	U	U	Yes	
1,2-Dibromoethane	5.0	UG/L	10.0	U	U	Yes	
Chlorobenzene	5.0	UG/L	10.0	U	U	Yes	
Ethylbenzene	5.0	UG/L	10.0	U	U	Yes	
o-Xylene	5.0	UG/L	10.0	U	U	Yes	
m,p-Xylene	5.0	UG/L	10.0	U	U	Yes	
Styrene	5.0	UG/L	10.0	U	U	Yes	
Bromoform	5.0	UG/L	10.0	U	U	Yes	
Isopropylbenzene	5.0	UG/L	10.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	5.0	UG/L	10.0	U	U	Yes	
1,3-Dichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,4-Dichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,2-Dichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	5.0	UG/L	10.0	U	U	Yes	
1,2,4-Trichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,2,3-Trichlorobenzene	5.0	UG/L	10.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SH8	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0009	pH:	2	Sample Date:	10/31/2012	Sample Time:	14:20:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.50	UG/L	1.0	JB	U	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.2	UG/L	1.0			Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.50	UG/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.42	UG/L	1.0	J	J	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SH9	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0010	pH:	2	Sample Date:	10/31/2012	Sample Time:	15:15:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.50	UG/L	1.0	JB	U	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	1.0	UG/L	1.0	JB	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	4.2	UG/L	1.0			Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.46	UG/L	1.0	J	J	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SJ2	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0011	pH:	2	Sample Date:	11/01/2012	Sample Time:	10:15:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.32	UG/L	1.0	J	J	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.50	UG/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	1.2	UG/L	1.0			Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	2.4	UG/L	1.0			Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SJ4	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0012	pH:	2	Sample Date:	11/01/2012	Sample Time:	10:15:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.32	UG/L	1.0	J	J	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.21	UG/L	1.0	J	J	Yes	
trans-1,2-Dichloroethene	0.62	UG/L	1.0			Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	5.4	UG/L	1.0			Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	3.0	UG/L	1.0			Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.33	UG/L	1.0	J	J	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SJ6	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0013	pH:	2	Sample Date:	11/01/2012	Sample Time:	12:15:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.35	UG/L	1.0	J	J	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.50	UG/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	0.23	UG/L	1.0	J	J	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	1.7	UG/L	1.0			Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	51	UG/L	1.0	E	J	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.40	UG/L	1.0	J	J	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SJ6DL	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0013	pH:	2	Sample Date:	11/01/2012	Sample Time:	12:15:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	5.0	UG/L	10.0	U	U	Yes	
Chloromethane	5.0	UG/L	10.0	U	U	Yes	
Vinyl chloride	5.0	UG/L	10.0	U	U	Yes	
Bromomethane	5.0	UG/L	10.0	U	UJ	Yes	
Chloroethane	5.0	UG/L	10.0	U	U	Yes	
Trichlorofluoromethane	5.0	UG/L	10.0	U	U	Yes	
1,1-Dichloroethene	5.0	UG/L	10.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	UG/L	10.0	U	U	Yes	
Acetone	50	UG/L	10.0	U	U	Yes	
Carbon disulfide	5.0	UG/L	10.0	U	U	Yes	
Methyl acetate	5.0	UG/L	10.0	U	U	Yes	
Methylene chloride	2.6	UG/L	10.0	DJ	J	Yes	
trans-1,2-Dichloroethene	5.0	UG/L	10.0	U	U	Yes	
Methyl tert-butyl ether	5.0	UG/L	10.0	U	U	Yes	
1,1-Dichloroethane	5.0	UG/L	10.0	U	U	Yes	
cis-1,2-Dichloroethene	5.0	UG/L	10.0	U	U	Yes	
2-Butanone	50	UG/L	10.0	U	U	Yes	
Bromochloromethane	5.0	UG/L	10.0	U	U	Yes	
Chloroform	5.0	UG/L	10.0	U	U	Yes	
1,1,1-Trichloroethane	5.0	UG/L	10.0	U	U	Yes	
Cyclohexane	5.0	UG/L	10.0	U	U	Yes	
Carbon tetrachloride	5.0	UG/L	10.0	U	U	Yes	
Benzene	5.0	UG/L	10.0	U	U	Yes	
1,2-Dichloroethane	5.0	UG/L	10.0	U	U	Yes	
Trichloroethene	35	UG/L	10.0	D		Yes	
Methylcyclohexane	5.0	UG/L	10.0	U	U	Yes	
1,2-Dichloropropane	5.0	UG/L	10.0	U	U	Yes	
Bromodichloromethane	5.0	UG/L	10.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	5.0	UG/L	10.0	U	U	Yes	
4-Methyl-2-pentanone	50	UG/L	10.0	U	U	Yes	
Toluene	5.0	UG/L	10.0	U	U	Yes	
trans-1,3-Dichloropropene	5.0	UG/L	10.0	U	U	Yes	
1,1,2-Trichloroethane	5.0	UG/L	10.0	U	U	Yes	
Tetrachloroethene	5.0	UG/L	10.0	U	U	Yes	
2-Hexanone	50	UG/L	10.0	U	U	Yes	
Dibromochloromethane	5.0	UG/L	10.0	U	U	Yes	
1,2-Dibromoethane	5.0	UG/L	10.0	U	U	Yes	
Chlorobenzene	5.0	UG/L	10.0	U	U	Yes	
Ethylbenzene	5.0	UG/L	10.0	U	U	Yes	
o-Xylene	5.0	UG/L	10.0	U	U	Yes	
m,p-Xylene	5.0	UG/L	10.0	U	U	Yes	
Styrene	5.0	UG/L	10.0	U	U	Yes	
Bromoform	5.0	UG/L	10.0	U	U	Yes	
Isopropylbenzene	5.0	UG/L	10.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	5.0	UG/L	10.0	U	U	Yes	
1,3-Dichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,4-Dichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,2-Dichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	5.0	UG/L	10.0	U	U	Yes	
1,2,4-Trichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,2,3-Trichlorobenzene	5.0	UG/L	10.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SJ7	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0015	pH:	2	Sample Date:	11/01/2012	Sample Time:	13:30:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.53	UG/L	1.0		J	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.24	UG/L	1.0	J	J	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SK1	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0014	pH:	2	Sample Date:	11/01/2012	Sample Time:	12:30:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.28	UG/L	1.0	J	J	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.37	UG/L	1.0	J	J	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	13	UG/L	1.0			Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	3.9	UG/L	1.0			Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.67	UG/L	1.0			Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP
Sample Number: VBLK4Y	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.40	UG/L	1.0	J	J	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.60	UG/L	1.0			Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP
Sample Number: VBLK5A	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.39	UG/L	1.0	J	J	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.55	UG/L	1.0			Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP
Sample Number: VBLK5C	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.50	UG/L	1.0	U	UJ	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.50	UG/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP
Sample Number: VBLK5E	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.36	UG/L	1.0	J	J	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.24	UG/L	1.0	J	J	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP
Sample Number: VBLK72	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.50	UG/L	1.0	U	U	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.46	UG/L	1.0	J	J	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	UJ	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.11	UG/L	1.0	J	J	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP
Sample Number: VBLK74	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.50	UG/L	1.0	U	U	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.26	UG/L	1.0	J	J	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.13	UG/L	1.0	J	J	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.092	UG/L	1.0	J	J	Yes	
1,2,3-Trichlorobenzene	0.11	UG/L	1.0	J	J	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP
Sample Number: VHBLK01	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.50	UG/L	1.0	U	U	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	1.0	UG/L	1.0	JB	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Regional CCS Defect Report

16:04 Tue, Nov 27, 2012

SDG E2SG2 **Lab** KAP **Case** 43075 **Contract** EPW11031 **Client** EPA Region 5 **SOW** SOM01.2 **Stage** 3 **Tracking ID** 165605 **Version** 8.049

DRD 11/23/2012 **LRD** 11/02/2012 **Mailed** 11/27/2012 **Submission Type** First Submission **Screening Type** Semi-Automated

Sample Summary and Lab Receipt Date

Sample/Number	VOA Trace	VOA SIM	VOA	BNA	BNA SIM	PEST	AROCLOR	Automated	Manual
E2SG2			10/31/2012						
E2SG3			10/31/2012						
E2SG4			10/31/2012						
E2SG4MS			10/31/2012						
E2SG4MSD			10/31/2012						
E2SH1			11/01/2012						
E2SH3			11/01/2012						
E2SH5			11/01/2012						
E2SH7			11/01/2012						
E2SJ1			11/02/2012						
E2SJ3			11/02/2012						
E2SJ5			11/02/2012						
Totals	**0**	**0**	**12**	**0**	**0**	**0**	**0**		

Regional CCS Defect Report

16:04 Tue, Nov 27, 2012

SDG E2SG2 **Lab** KAP **Case** 43075 **Contract** EPW11031 **Client** EPA Region 5 **SOW** SOM01.2 **Stage** 3 **Tracking ID** 165605 **Version** 8.049

DRD 11/23/2012 **LRD** 11/02/2012 **Mailed** 11/27/2012 **Submission Type** First Submission **Screening Type** Semi-Automated

Regional CCS Defect Report

16:04 Tue, Nov 27, 2012

SDG E2SG2 **Lab** KAP **Case** 43075 **Contract** EPW11031 **Client** EPA Region 5 **SOW** SOM01.2 **Stage** 3 **Tracking ID** 165605 **Version** 8.049

DRD 11/23/2012 **LRD** 11/02/2012 **Mailed** 11/27/2012 **Submission Type** First Submission **Screening Type** Semi-Automated

Regional Defect Detail

NONE FOUND

Regional CCS Defect Report

16:04 Tue, Nov 27, 2012

SDG E2SG2 **Lab** KAP **Case** 43075 **Contract** EPW11031 **Client** EPA Region 5 **SOW** SOM01.2 **Stage** 3 **Tracking ID** 165605 **Version** 8.049

DRD 11/23/2012 **LRD** 11/02/2012 **Mailed** 11/27/2012 **Submission Type** First Submission **Screening Type** Semi-Automated

General Comments

NONE FOUND

Regional CCS Defect Report

14:08 Tue, Nov 27, 2012

SDG E2SG1 **Lab** KAP **Case** 43075 **Contract** EPW11031 **Client** EPA Region 5 **SOW** SOM01.2 **Stage** 3 **Tracking ID** 165604 **Version** 8.049

DRD 11/23/2012 **LRD** 11/02/2012 **Mailed** 11/27/2012 **Submission Type** First Submission **Screening Type** Semi-Automated

Sample Summary and Lab Receipt Date

Sample/Number	VOA Trace	VOA SIM	VOA	BNA	BNA SIM	PEST	AROCLOR	Automated	Manual
E2SG1	10/31/2012								
E2SG5	10/31/2012								
E2SG5MS	10/31/2012								
E2SG5MSD	10/31/2012								
E2SG6	11/02/2012								
E2SH0	10/31/2012								
E2SH2	11/01/2012								
E2SH2DL	11/01/2012								
E2SH4	11/01/2012								
E2SH4DL	11/01/2012								
E2SH6	11/01/2012								
E2SH6DL	11/01/2012								
E2SH8	11/01/2012								
E2SH9	11/01/2012								
E2SJ2	11/02/2012								
E2SJ4	11/02/2012								
E2SJ6	11/02/2012								
E2SJ6DL	11/02/2012								
E2SJ7	11/02/2012								
E2SK1	11/02/2012								
Totals	**20**	**0**	**0**	**0**	**0**	**0**	**0**		

Regional CCS Defect Report

14:08 Tue, Nov 27, 2012

SDG E2SG1 **Lab** KAP **Case** 43075 **Contract** EPW11031 **Client** EPA Region 5 **SOW** SOM01.2 **Stage** 3 **Tracking ID** 165604 **Version** 8.049

DRD 11/23/2012 **LRD** 11/02/2012 **Mailed** 11/27/2012 **Submission Type** First Submission **Screening Type** Semi-Automated

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DRD 11/23/2012 **LRD** 11/02/2012 **Mailed** 11/27/2012 **Submission Type** First Submission **Screening Type** Semi-Automated

Regional Defect Detail

NONE FOUND

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DRD 11/23/2012 **LRD** 11/02/2012 **Mailed** 11/27/2012 **Submission Type** First Submission **Screening Type** Semi-Automated

General Comments

NONE FOUND

National Functional Guidelines Report #03

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Data Review Reports

Blanks

Blanks	**VOA_Trace**
VTLB11	The following trace volatile samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated method blank has common contaminant analyte concentration is less than 2x the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	E2SG1, E2SG5, E2SG5MS, E2SG5MSD, E2SH0, E2SH2, E2SH4DL, E2SH6DL, E2SH9
	Methylene chloride E2SG1, E2SG5, E2SG5MS, E2SG5MSD, E2SH0, E2SH2, E2SH4DL, E2SH6DL, E2SH9
Blanks	**VOA_Trace**
VTLB12	The following trace volatile samples have analyte concentrations reported below the CRQL. The associated method blank concentration is less than the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	E2SG1, E2SH0, E2SH2, E2SH6, E2SH8, E2SH9
	Bromomethane E2SH6, E2SH8, E2SH9
	1,2,3-Trichlorobenzene E2SG1, E2SH0
	1,2,4-Trichlorobenzene E2SH2
Blanks	**VOA_Trace**
VTLB44	The following trace volatile samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated storage blank has common contaminant analyte concentration is less than 2x the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	E2SG1, E2SG5, E2SG5MS, E2SG5MSD, E2SH0, E2SH2, E2SH4DL, E2SH6DL, E2SH9, E2SJ4, E2SJ6DL, E2SJ7, E2SK1
	Methylene chloride E2SG1, E2SG5, E2SG5MS, E2SG5MSD, E2SH0, E2SH2, E2SH4DL, E2SH6DL, E2SH9, E2SJ4, E2SJ6DL, E2SJ7, E2SK1

National Functional Guidelines Report #03

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Data Review Reports

Continuing Calibration Verification

Continuing Calibration Verification	VOA_Trace
VTC8	The following trace volatile samples are associated with an opening or closing CCV percent difference (%D) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	E2SG1, E2SG5, E2SG5MS, E2SG5MSD, E2SG6, E2SH0, E2SJ2, E2SJ4, E2SJ6, E2SJ6DL, E2SJ7, E2SK1, VBLK5C, VBLK72
	Bromoform VSTD00572
	Bromomethane VSTD0055C
	E2SG1, E2SG5, E2SG5MS, E2SG5MSD, E2SG6, E2SH0, E2SJ2, E2SJ4, E2SJ6, E2SJ6DL, E2SJ7, E2SK1, VBLK5C, VBLK72

National Functional Guidelines Report #03

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Data Review Reports

DMC/Surrogate

DMC/Surrogate	**VOA_Trace**
VTDSS2	The following volatile samples have DMC/SMC recoveries above the upper limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are not qualified.
	E2SG5MS, E2SG6, E2SJ7
	1,1,2,2-Tetrachloroethane-d2 E2SG5MS
	1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane
	Chloroethane-d5 E2SG6, E2SJ7
	Bromomethane, Carbon disulfide, Chloroethane, Chloromethane, Dichlorodifluoromethane
DMC/Surrogate	**VOA_Trace**
VTDSS223	The following diluted volatile samples with dilution factors greater than 5 have DMC/SMC recoveries above the upper limit of the criteria window. Detected and nondetected compounds are not qualified.
	E2SH4DL, E2SH6DL
	1,1,2,2-Tetrachloroethane-d2 E2SH4DL, E2SH6DL
	1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane
DMC/Surrogate	**VOA_Trace**
VTDSS3	The following trace volatile samples have one or more DMC/SMC recovery values is less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	E2SH2DL
	Chloroform-d E2SH2DL
	1,1-Dichloroethane, Bromochloromethane, Bromoform, Chloroform, Dibromochloromethane
DMC/Surrogate	**VOA_Trace**
VTDSS3201	The following diluted trace volatile samples with dilution factors less than or equal to 5 have one or more DMC/SMC recovery values is less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	E2SH2DL
	Chloroform-d E2SH2DL
	1,1-Dichloroethane, Bromochloromethane, Bromoform, Chloroform, Dibromochloromethane

National Functional Guidelines Report #03

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Data Review Reports

Detection Limit

Detection Limit	VOA_Trace
VTDL1	The following volatile samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.
	E2SG1, E2SG5, E2SG5MS, E2SG5MSD, E2SG6, E2SH0, E2SH2, E2SH2DL, E2SH4DL, E2SH6, E2SH6DL, E2SH8, E2SH9, E2SJ2, E2SJ4, E2SJ6, E2SJ6DL, E2SJ7, E2SK1, VBLK4Y, VBLK5A, VBLK5E, VBLK72, VBLK74, VHBLK01
	Tetrachloroethene E2SJ6
	Chlorobenzene VBLK74
	Toluene E2SH8, E2SJ4
	1,2,3-Trichlorobenzene E2SG1, E2SH0, VBLK72, VBLK74
	Bromodichloromethane E2SH0, E2SH9
	cis-1,2-Dichloroethene E2SH2DL
	m,p-Xylene E2SG1, E2SH2
	Cyclohexane E2SG1, E2SH2
	Bromomethane E2SG6, E2SH6, E2SH8, E2SH9, E2SJ2, E2SJ4, E2SJ6, E2SK1, VBLK4Y, VBLK5A, VBLK5E
	Ethylbenzene E2SG1, E2SH2
	1,2,4-Trichlorobenzene E2SH0, E2SH2, VBLK74
	o-Xylene E2SG1
	trans-1,2-Dichloroethene E2SJ6
	Methylene chloride E2SG1, E2SG5, E2SG5MS, E2SG5MSD, E2SH0, E2SH2, E2SH4DL, E2SH6DL, E2SH9, E2SJ4, E2SJ6DL, E2SJ7, E2SK1, VBLK5E, VBLK72, VBLK74, VHBLK01
	Methylcyclohexane E2SG1

National Functional Guidelines Report #03

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Data Review Reports

Initial Calibration

Initial Calibration	VOA_Trace
VTC6	The following trace volatile samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detected compounds are qualified J. Nondetected compounds are not qualified. Use professional judgement to qualify non-detected compounds.
	E2SG6, E2SH2DL, E2SH4, E2SH4DL, E2SH6, E2SH6DL, E2SH8, E2SH9, E2SJ2, E2SJ4, E2SJ6, E2SJ6DL, E2SJ7, E2SK1, VBLK4Y, VBLK5A, VBLK5C, VBLK5E, VHBLK01
	Bromomethane VSTD0.54T
	E2SG6, E2SH2DL, E2SH4, E2SH4DL, E2SH6, E2SH6DL, E2SH8, E2SH9, E2SJ2, E2SJ4, E2SJ6, E2SJ6DL, E2SJ7, E2SK1, VBLK4Y, VBLK5A, VBLK5C, VBLK5E, VHBLK01

National Functional Guidelines Report #03

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Data Review Reports

TIC

TIC	VOA_Trace
VTTIC1	A library search indicates a match at or above 85% for a TIC compound in the trace volatile sample Detected compounds are qualified NJ. Nondetected compounds are not qualified.
	E2SH2
	Butane, 2-methyl- E2SH2
TIC	**VOA_Trace**
VTTIC2	A library search indicates a match below 85% for a TIC compound in the trace volatile sample Detected compounds are qualified J. Nondetected compounds are not qualified.
	E2SG1, E2SG5, E2SG6, E2SH0, E2SH2, E2SH2DL, E2SH4, E2SH4DL, E2SH6, E2SH6DL, E2SH8, E2SH9, E2SJ2, E2SJ4, E2SJ6, E2SJ6DL, E2SJ7, E2SK1, VBLK4Y, VBLK5A, VBLK5C, VBLK5E, VBLK72, VBLK74
	Unknown-09 E2SG1
	Unknown-07 E2SG1, E2SH0
	Unknown-08 E2SG1
	Unknown-05 E2SG1, E2SH0, E2SJ4
	Unknown-06 E2SG1, E2SH0
	Unknown-03 E2SG1, E2SG6, E2SH0, E2SH2, E2SJ4, E2SJ7, E2SK1, VBLK5E
	Unknown-04 E2SG1, E2SG6, E2SH0, E2SH2, E2SJ4
	Unknown-01 E2SG1, E2SG5, E2SG6, E2SH0, E2SH2, E2SH2DL, E2SH4, E2SH4DL, E2SH6, E2SH6DL, E2SH8, E2SH9, E2SJ2, E2SJ4, E2SJ6, E2SJ6DL, E2SJ7, E2SK1, VBLK4Y, VBLK5A, VBLK5C, VBLK5E, VBLK72, VBLK74
	Unknown-02 E2SG1, E2SG6, E2SH0, E2SH2, E2SJ4, E2SJ6, E2SJ6DL, E2SJ7, E2SK1, VBLK5C, VBLK5E
	Unknown-10 E2SG1
	Unknown-11 E2SG1

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	E2SG1 GW-0001 Field_Sample Water/TRACE 1.0 ug/L		E2SG5 GW-0003 Field_Sample Water/TRACE 1.0 ug/L		E2SG5MS GW-0003 Matrix_Spike Water/TRACE 1.0 ug/L		E2SG5MSD GW-0003 Matrix_Spike_Duplicate Water/TRACE 1.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Dichlorodifluoromethane	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	0.50	U	0.50	U	0.50	U	0.50	U
Trichlorofluoromethane	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene	0.50	U	0.50	U	3.4		3.8	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	5.0	U	5.0	U	5.0	U	5.0	U
Carbon disulfide	0.50	U	0.50	U	0.50	U	0.50	U
Methyl acetate	0.50	U	0.50	U	0.50	U	0.50	U
Methylene chloride	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,2-Dichloroethene	0.50	U	0.50	U	0.50	U	0.50	U
Methyl tert-butyl ether	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	0.50	U	0.50	U	0.50	U	0.50	U
2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U
Bromochloromethane	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform	0.50	U	0.50	U	0.50	U	0.50	U
1,1,1-Trichloroethane	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	0.14	J	0.50	U	0.50	U	0.50	U
Carbon tetrachloride	0.50	U	0.50	U	0.50	U	0.50	U
Benzene	0.50	U	0.50	U	4.5		4.4	
1,2-Dichloroethane	0.50	U	0.50	U	0.50	U	0.50	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	E2SG1 GW-0001 Field_Sample Water/TRACE 1.0 ug/L		E2SG5 GW-0003 Field_Sample Water/TRACE 1.0 ug/L		E2SG5MS GW-0003 Matrix_Spike Water/TRACE 1.0 ug/L		E2SG5MSD GW-0003 Matrix_Spike_Duplicate Water/TRACE 1.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Trichloroethene	0.50	U	0.50	U	4.3		4.4	
Methylcyclohexane	0.26	J	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U	0.50	U
4-Methyl-2-pentanone	5.0	U	5.0	U	5.0	U	5.0	U
Toluene	0.96		0.50	U	5.7		5.1	
trans-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene	0.50	U	0.50	U	0.50	U	0.50	U
2-Hexanone	5.0	U	5.0	U	5.0	U	5.0	U
Dibromochloromethane	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	0.50	U	0.50	U	4.8		5.2	
Ethylbenzene	0.20	J	0.50	U	0.50	U	0.50	U
o-Xylene	0.12	J	0.50	U	0.50	U	0.50	U
m,p-Xylene	0.28	J	0.50	U	0.50	U	0.50	U
Styrene	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Isopropylbenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	E2SG6 GW-0016 Field_Sample Water/TRACE 1.0 ug/L		E2SH0 GW-0002 Field_Sample Water/TRACE 1.0 ug/L		E2SH2 GW-0006 Field_Sample Water/TRACE 4.0 ug/L		E2SH2DL GW-0006 Field_Sample Water/TRACE 5.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Dichlorodifluoromethane	0.50	U	0.50	U	2.0	U	2.5	U
Chloromethane	0.50	U	0.50	U	2.0	U	2.5	U
Vinyl chloride	0.50	U	0.50	U	2.0	U	2.5	U
Bromomethane	0.42	J	0.50	U	2.0	U	2.5	U
Chloroethane	0.50	U	0.50	U	2.0	U	2.5	U
Trichlorofluoromethane	0.50	U	0.50	U	2.0	U	2.5	U
1,1-Dichloroethene	0.50	U	0.50	U	2.0	U	2.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	U	2.0	U	2.5	U
Acetone	5.0	U	5.0	U	20	U	25	U
Carbon disulfide	0.50	U	0.50	U	2.0	U	2.5	U
Methyl acetate	0.50	U	0.50	U	2.0	U	2.5	U
Methylene chloride	0.50	U	0.50	U	2.0	U	2.5	U
trans-1,2-Dichloroethene	0.50	U	0.50	U	2.0	U	2.5	U
Methyl tert-butyl ether	0.50	U	0.50	U	2.0	U	2.5	U
1,1-Dichloroethane	0.50	U	0.50	U	2.0	U	2.5	UJ
cis-1,2-Dichloroethene	0.50	U	0.50	U	2.8		2.3	J
2-Butanone	5.0	U	5.0	U	20	U	25	U
Bromochloromethane	0.50	U	0.50	U	2.0	U	2.5	UJ
Chloroform	0.50	U	3.8		2.0	U	2.5	UJ
1,1,1-Trichloroethane	0.50	U	0.50	U	2.0	U	2.5	U
Cyclohexane	0.50	U	0.50	U	0.80	J	2.5	U
Carbon tetrachloride	0.50	U	0.50	U	2.0	U	2.5	U
Benzene	0.50	U	0.50	U	2.0	U	2.5	U
1,2-Dichloroethane	0.50	U	0.50	U	2.0	U	2.5	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	E2SG6 GW-0016 Field_Sample Water/TRACE 1.0 ug/L		E2SH0 GW-0002 Field_Sample Water/TRACE 1.0 ug/L		E2SH2 GW-0006 Field_Sample Water/TRACE 4.0 ug/L		E2SH2DL GW-0006 Field_Sample Water/TRACE 5.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Trichloroethene	0.50	U	0.50	U	92		87	
Methylcyclohexane	0.50	U	0.50	U	2.0	U	2.5	U
1,2-Dichloropropane	0.50	U	0.50	U	2.0	U	2.5	U
Bromodichloromethane	0.50	U	0.48	J	2.0	U	2.5	U
cis-1,3-Dichloropropene	0.50	U	0.50	U	2.0	U	2.5	U
4-Methyl-2-pentanone	5.0	U	5.0	U	20	U	25	U
Toluene	0.50	U	0.50	U	2.3		2.5	U
trans-1,3-Dichloropropene	0.50	U	0.50	U	2.0	U	2.5	U
1,1,2-Trichloroethane	0.50	U	0.50	U	2.0	U	2.5	U
Tetrachloroethene	0.50	U	0.50	U	73		55	
2-Hexanone	5.0	U	5.0	U	20	U	25	U
Dibromochloromethane	0.50	U	0.50	U	2.0	U	2.5	UJ
1,2-Dibromoethane	0.50	U	0.50	U	2.0	U	2.5	U
Chlorobenzene	0.50	U	0.50	U	2.0	U	2.5	U
Ethylbenzene	0.50	U	0.50	U	0.47	J	2.5	U
o-Xylene	0.50	U	0.50	U	2.0	U	2.5	U
m,p-Xylene	0.50	U	0.50	U	0.70	J	2.5	U
Styrene	0.50	U	0.50	U	2.0	U	2.5	U
Bromoform	0.50	U	0.50	UJ	2.0	U	2.5	UJ
Isopropylbenzene	0.50	U	0.50	U	2.0	U	2.5	U
1,1,2,2-Tetrachloroethane	0.50	U	0.50	U	2.0	U	2.5	U
1,3-Dichlorobenzene	0.50	U	0.50	U	2.0	U	2.5	U
1,4-Dichlorobenzene	0.50	U	0.50	U	2.0	U	2.5	U
1,2-Dichlorobenzene	0.50	U	0.50	U	2.0	U	2.5	U
1,2-Dibromo-3-chloropropane	0.50	U	0.50	U	2.0	U	2.5	U
1,2,4-Trichlorobenzene	0.50	U	0.18	J	2.0	U	2.5	U
1,2,3-Trichlorobenzene	0.50	U	0.50	U	2.0	U	2.5	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	E2SH4 GW-0007 Field_Sample Water/TRACE 4.0 ug/L		E2SH4DL GW-0007 Field_Sample Water/TRACE 10.0 ug/L		E2SH6 GW-0008 Field_Sample Water/TRACE 2.0 ug/L		E2SH6DL GW-0008 Field_Sample Water/TRACE 10.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Dichlorodifluoromethane	2.0	U	5.0	U	1.0	U	5.0	U
Chloromethane	2.0	U	5.0	U	1.0	U	5.0	U
Vinyl chloride	2.0	U	5.0	U	1.0	U	5.0	U
Bromomethane	2.0	U	5.0	U	1.0	UJ	5.0	U
Chloroethane	2.0	U	5.0	U	1.0	U	5.0	U
Trichlorofluoromethane	2.0	U	5.0	U	1.0	U	5.0	U
1,1-Dichloroethene	2.0	U	5.0	U	1.0	U	5.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	5.0	U	1.0	U	5.0	U
Acetone	20	U	50	U	10	U	50	U
Carbon disulfide	2.0	U	5.0	U	1.0	U	5.0	U
Methyl acetate	2.0	U	5.0	U	1.0	U	5.0	U
Methylene chloride	2.0	U	5.0	U	1.0	U	5.0	U
trans-1,2-Dichloroethene	2.0	U	5.0	U	1.0	U	5.0	U
Methyl tert-butyl ether	2.0	U	5.0	U	1.0	U	5.0	U
1,1-Dichloroethane	2.0	U	5.0	U	1.0	U	5.0	U
cis-1,2-Dichloroethene	2.0	U	5.0	U	1.0	U	5.0	U
2-Butanone	20	U	50	U	10	U	50	U
Bromochloromethane	2.0	U	5.0	U	1.0	U	5.0	U
Chloroform	2.0	U	5.0	U	1.0	U	5.0	U
1,1,1-Trichloroethane	2.0	U	5.0	U	1.0	U	5.0	U
Cyclohexane	2.0	U	5.0	U	1.0	U	5.0	U
Carbon tetrachloride	2.0	U	5.0	U	1.0	U	5.0	U
Benzene	2.0	U	5.0	U	1.0	U	5.0	U
1,2-Dichloroethane	2.0	U	5.0	U	1.0	U	5.0	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	E2SH4 GW-0007 Field_Sample Water/TRACE 4.0 ug/L		E2SH4DL GW-0007 Field_Sample Water/TRACE 10.0 ug/L		E2SH6 GW-0008 Field_Sample Water/TRACE 2.0 ug/L		E2SH6DL GW-0008 Field_Sample Water/TRACE 10.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Trichloroethene	82		75		60		70	
Methylcyclohexane	2.0	U	5.0	U	1.0	U	5.0	U
1,2-Dichloropropane	2.0	U	5.0	U	1.0	U	5.0	U
Bromodichloromethane	2.0	U	5.0	U	1.0	U	5.0	U
cis-1,3-Dichloropropene	2.0	U	5.0	U	1.0	U	5.0	U
4-Methyl-2-pentanone	20	U	50	U	10	U	50	U
Toluene	2.0	U	5.0	U	1.0	U	5.0	U
trans-1,3-Dichloropropene	2.0	U	5.0	U	1.0	U	5.0	U
1,1,2-Trichloroethane	2.0	U	5.0	U	1.0	U	5.0	U
Tetrachloroethene	2.0	U	5.0	U	1.0	U	5.0	U
2-Hexanone	20	U	50	U	10	U	50	U
Dibromochloromethane	2.0	U	5.0	U	1.0	U	5.0	U
1,2-Dibromoethane	2.0	U	5.0	U	1.0	U	5.0	U
Chlorobenzene	2.0	U	5.0	U	1.0	U	5.0	U
Ethylbenzene	2.0	U	5.0	U	1.0	U	5.0	U
o-Xylene	2.0	U	5.0	U	1.0	U	5.0	U
m,p-Xylene	2.0	U	5.0	U	1.0	U	5.0	U
Styrene	2.0	U	5.0	U	1.0	U	5.0	U
Bromoform	2.0	U	5.0	U	1.0	U	5.0	U
Isopropylbenzene	2.0	U	5.0	U	1.0	U	5.0	U
1,1,2,2-Tetrachloroethane	2.0	U	5.0	U	1.0	U	5.0	U
1,3-Dichlorobenzene	2.0	U	5.0	U	1.0	U	5.0	U
1,4-Dichlorobenzene	2.0	U	5.0	U	1.0	U	5.0	U
1,2-Dichlorobenzene	2.0	U	5.0	U	1.0	U	5.0	U
1,2-Dibromo-3-chloropropane	2.0	U	5.0	U	1.0	U	5.0	U
1,2,4-Trichlorobenzene	2.0	U	5.0	U	1.0	U	5.0	U
1,2,3-Trichlorobenzene	2.0	U	5.0	U	1.0	U	5.0	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	E2SH8 GW-0009 Field_Sample Water/TRACE 1.0 ug/L		E2SH9 GW-0010 Field_Sample Water/TRACE 1.0 ug/L		E2SJ2 GW-0011 Field_Sample Water/TRACE 1.0 ug/L		E2SJ4 GW-0012 Field_Sample Water/TRACE 1.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Dichlorodifluoromethane	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.50	UJ	0.50	UJ	0.32	J	0.32	J
Chloroethane	0.50	U	0.50	U	0.50	U	0.50	U
Trichlorofluoromethane	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	5.2		5.0	U	5.0	U	5.0	U
Carbon disulfide	0.50	U	0.50	U	0.50	U	0.50	U
Methyl acetate	0.50	U	0.50	U	0.50	U	0.50	U
Methylene chloride	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,2-Dichloroethene	0.50	U	0.50	U	0.50	U	0.62	
Methyl tert-butyl ether	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	0.50	U	0.50	U	1.2		5.4	
2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U
Bromochloromethane	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform	0.50	U	4.2		0.50	U	0.50	U
1,1,1-Trichloroethane	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	0.50	U	0.50	U	0.50	U	0.50	U
Carbon tetrachloride	0.50	U	0.50	U	0.50	U	0.50	U
Benzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.50	U	0.50	U	0.50	U	0.50	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	E2SH8 GW-0009 Field_Sample Water/TRACE 1.0 ug/L		E2SH9 GW-0010 Field_Sample Water/TRACE 1.0 ug/L		E2SJ2 GW-0011 Field_Sample Water/TRACE 1.0 ug/L		E2SJ4 GW-0012 Field_Sample Water/TRACE 1.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Trichloroethene	0.50	U	0.50	U	2.4		3.0	
Methylcyclohexane	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	0.50	U	0.46	J	0.50	U	0.50	U
cis-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U	0.50	U
4-Methyl-2-pentanone	5.0	U	5.0	U	5.0	U	5.0	U
Toluene	0.42	J	0.50	U	0.50	U	0.33	J
trans-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene	0.50	U	0.50	U	0.50	U	0.50	U
2-Hexanone	5.0	U	5.0	U	5.0	U	5.0	U
Dibromochloromethane	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
Ethylbenzene	0.50	U	0.50	U	0.50	U	0.50	U
o-Xylene	0.50	U	0.50	U	0.50	U	0.50	U
m,p-Xylene	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	E2SJ6 GW-0013 Field_Sample Water/TRACE 1.0 ug/L		E2SJ6DL GW-0013 Field_Sample Water/TRACE 10.0 ug/L		E2SJ7 GW-0015 Field_Sample Water/TRACE 1.0 ug/L		E2SK1 GW-0014 Field_Sample Water/TRACE 1.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Dichlorodifluoromethane	0.50	U	5.0	U	0.50	U	0.50	U
Chloromethane	0.50	U	5.0	U	0.50	U	0.50	U
Vinyl chloride	0.50	U	5.0	U	0.50	U	0.50	U
Bromomethane	0.35	J	5.0	UJ	0.53	J	0.28	J
Chloroethane	0.50	U	5.0	U	0.50	U	0.50	U
Trichlorofluoromethane	0.50	U	5.0	U	0.50	U	0.50	U
1,1-Dichloroethene	0.50	U	5.0	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	5.0	U	0.50	U	0.50	U
Acetone	5.0	U	50	U	5.0	U	5.0	U
Carbon disulfide	0.50	U	5.0	U	0.50	U	0.50	U
Methyl acetate	0.50	U	5.0	U	0.50	U	0.50	U
Methylene chloride	0.50	U	5.0	U	0.50	U	0.50	U
trans-1,2-Dichloroethene	0.23	J	5.0	U	0.50	U	0.50	U
Methyl tert-butyl ether	0.50	U	5.0	U	0.50	U	0.50	U
1,1-Dichloroethane	0.50	U	5.0	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	1.7		5.0	U	0.50	U	0.50	U
2-Butanone	5.0	U	50	U	5.0	U	5.0	U
Bromochloromethane	0.50	U	5.0	U	0.50	U	0.50	U
Chloroform	0.50	U	5.0	U	0.50	U	13	
1,1,1-Trichloroethane	0.50	U	5.0	U	0.50	U	0.50	U
Cyclohexane	0.50	U	5.0	U	0.50	U	0.50	U
Carbon tetrachloride	0.50	U	5.0	U	0.50	U	0.50	U
Benzene	0.50	U	5.0	U	0.50	U	0.50	U
1,2-Dichloroethane	0.50	U	5.0	U	0.50	U	0.50	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	E2SJ6 GW-0013 Field_Sample Water/TRACE 1.0 ug/L		E2SJ6DL GW-0013 Field_Sample Water/TRACE 10.0 ug/L		E2SJ7 GW-0015 Field_Sample Water/TRACE 1.0 ug/L		E2SK1 GW-0014 Field_Sample Water/TRACE 1.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Trichloroethene	51		35		0.50	U	0.50	U
Methylcyclohexane	0.50	U	5.0	U	0.50	U	0.50	U
1,2-Dichloropropane	0.50	U	5.0	U	0.50	U	0.50	U
Bromodichloromethane	0.50	U	5.0	U	0.50	U	3.9	
cis-1,3-Dichloropropene	0.50	U	5.0	U	0.50	U	0.50	U
4-Methyl-2-pentanone	5.0	U	50	U	5.0	U	5.0	U
Toluene	0.50	U	5.0	U	0.50	U	0.50	U
trans-1,3-Dichloropropene	0.50	U	5.0	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.50	U	5.0	U	0.50	U	0.50	U
Tetrachloroethene	0.40	J	5.0	U	0.50	U	0.50	U
2-Hexanone	5.0	U	50	U	5.0	U	5.0	U
Dibromochloromethane	0.50	U	5.0	U	0.50	U	0.67	
1,2-Dibromoethane	0.50	U	5.0	U	0.50	U	0.50	U
Chlorobenzene	0.50	U	5.0	U	0.50	U	0.50	U
Ethylbenzene	0.50	U	5.0	U	0.50	U	0.50	U
o-Xylene	0.50	U	5.0	U	0.50	U	0.50	U
m,p-Xylene	0.50	U	5.0	U	0.50	U	0.50	U
Styrene	0.50	U	5.0	U	0.50	U	0.50	U
Bromoform	0.50	U	5.0	U	0.50	U	0.50	U
Isopropylbenzene	0.50	U	5.0	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.50	U	5.0	U	0.50	U	0.50	U
1,3-Dichlorobenzene	0.50	U	5.0	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.50	U	5.0	U	0.50	U	0.50	U
1,2-Dichlorobenzene	0.50	U	5.0	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	0.50	U	5.0	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.50	U	5.0	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.50	U	5.0	U	0.50	U	0.50	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	VBLK4Y Method_Blank Water/TRACE 1.0 ug/L		VBLK5A Method_Blank Water/TRACE 1.0 ug/L		VBLK5C Method_Blank Water/TRACE 1.0 ug/L		VBLK5E Method_Blank Water/TRACE 1.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Dichlorodifluoromethane	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.40	J	0.39	J	0.50	UJ	0.36	J
Chloroethane	0.50	U	0.50	U	0.50	U	0.50	U
Trichlorofluoromethane	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	5.0	U	5.0	U	5.0	U	5.0	U
Carbon disulfide	0.50	U	0.50	U	0.50	U	0.50	U
Methyl acetate	0.50	U	0.50	U	0.50	U	0.50	U
Methylene chloride	0.60		0.55		0.50	U	0.24	J
trans-1,2-Dichloroethene	0.50	U	0.50	U	0.50	U	0.50	U
Methyl tert-butyl ether	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	0.50	U	0.50	U	0.50	U	0.50	U
2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U
Bromochloromethane	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform	0.50	U	0.50	U	0.50	U	0.50	U
1,1,1-Trichloroethane	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	0.50	U	0.50	U	0.50	U	0.50	U
Carbon tetrachloride	0.50	U	0.50	U	0.50	U	0.50	U
Benzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.50	U	0.50	U	0.50	U	0.50	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	VBLK4Y Method_Blank Water/TRACE 1.0 ug/L		VBLK5A Method_Blank Water/TRACE 1.0 ug/L		VBLK5C Method_Blank Water/TRACE 1.0 ug/L		VBLK5E Method_Blank Water/TRACE 1.0 ug/L	
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Trichloroethene	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U	0.50	U
4-Methyl-2-pentanone	5.0	U	5.0	U	5.0	U	5.0	U
Toluene	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene	0.50	U	0.50	U	0.50	U	0.50	U
2-Hexanone	5.0	U	5.0	U	5.0	U	5.0	U
Dibromochloromethane	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
Ethylbenzene	0.50	U	0.50	U	0.50	U	0.50	U
o-Xylene	0.50	U	0.50	U	0.50	U	0.50	U
m,p-Xylene	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	VBLK72 Method_Blank Water/TRACE 1.0 ug/L		VBLK74 Method_Blank Water/TRACE 1.0 ug/L		VHBLK01 Storage_Blank Water/TRACE 1.0 ug/L			
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Dichlorodifluoromethane	0.50	U	0.50	U	0.50	U		
Chloromethane	0.50	U	0.50	U	0.50	U		
Vinyl chloride	0.50	U	0.50	U	0.50	U		
Bromomethane	0.50	U	0.50	U	0.50	U		
Chloroethane	0.50	U	0.50	U	0.50	U		
Trichlorofluoromethane	0.50	U	0.50	U	0.50	U		
1,1-Dichloroethene	0.50	U	0.50	U	0.50	U		
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	U	0.50	U		
Acetone	5.0	U	5.0	U	5.0	U		
Carbon disulfide	0.50	U	0.50	U	0.50	U		
Methyl acetate	0.50	U	0.50	U	0.50	U		
Methylene chloride	0.46	J	0.26	J	0.29	J		
trans-1,2-Dichloroethene	0.50	U	0.50	U	0.50	U		
Methyl tert-butyl ether	0.50	U	0.50	U	0.50	U		
1,1-Dichloroethane	0.50	U	0.50	U	0.50	U		
cis-1,2-Dichloroethene	0.50	U	0.50	U	0.50	U		
2-Butanone	5.0	U	5.0	U	5.0	U		
Bromochloromethane	0.50	U	0.50	U	0.50	U		
Chloroform	0.50	U	0.50	U	0.50	U		
1,1,1-Trichloroethane	0.50	U	0.50	U	0.50	U		
Cyclohexane	0.50	U	0.50	U	0.50	U		
Carbon tetrachloride	0.50	U	0.50	U	0.50	U		
Benzene	0.50	U	0.50	U	0.50	U		
1,2-Dichloroethane	0.50	U	0.50	U	0.50	U		

National Functional Guidelines Report #04

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Final Flag Results

VOA_Trace

Sample Location Type Matrix/Level Dilution Factor % Moisture Units	VBLK72 Method_Blank Water/TRACE 1.0 ug/L		VBLK74 Method_Blank Water/TRACE 1.0 ug/L		VHBLK01 Storage_Blank Water/TRACE 1.0 ug/L			
Compound	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**	**NFG Result**	**NFG Flag**
Trichloroethene	0.50	U	0.50	U	0.50	U		
Methylcyclohexane	0.50	U	0.50	U	0.50	U		
1,2-Dichloropropane	0.50	U	0.50	U	0.50	U		
Bromodichloromethane	0.50	U	0.50	U	0.50	U		
cis-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U		
4-Methyl-2-pentanone	5.0	U	5.0	U	5.0	U		
Toluene	0.50	U	0.50	U	0.50	U		
trans-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U		
1,1,2-Trichloroethane	0.50	U	0.50	U	0.50	U		
Tetrachloroethene	0.50	U	0.50	U	0.50	U		
2-Hexanone	5.0	U	5.0	U	5.0	U		
Dibromochloromethane	0.50	U	0.50	U	0.50	U		
1,2-Dibromoethane	0.50	U	0.50	U	0.50	U		
Chlorobenzene	0.50	U	0.13	J	0.50	U		
Ethylbenzene	0.50	U	0.50	U	0.50	U		
o-Xylene	0.50	U	0.50	U	0.50	U		
m,p-Xylene	0.50	U	0.50	U	0.50	U		
Styrene	0.50	U	0.50	U	0.50	U		
Bromoform	0.50	UJ	0.50	U	0.50	U		
Isopropylbenzene	0.50	U	0.50	U	0.50	U		
1,1,2,2-Tetrachloroethane	0.50	U	0.50	U	0.50	U		
1,3-Dichlorobenzene	0.50	U	0.50	U	0.50	U		
1,4-Dichlorobenzene	0.50	U	0.50	U	0.50	U		
1,2-Dichlorobenzene	0.50	U	0.50	U	0.50	U		
1,2-Dibromo-3-chloropropane	0.50	U	0.50	U	0.50	U		
1,2,4-Trichlorobenzene	0.50	U	0.092	J	0.50	U		
1,2,3-Trichlorobenzene	0.11	J	0.11	J	0.50	U		

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SG1
Location:	GW-0001
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50													U
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50	U			J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.14				J									
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SG1
Location:	GW-0001
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.26				J									
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.96													
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.20				J									
o-Xylene	0.12				J									
m,p-Xylene	0.28				J									
Styrene	0.50													U
Bromoform	0.50		UJ											U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50	U			J									

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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SG5
Location:	GW-0003
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50													U
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50	U			J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SG5
Location:	GW-0003
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50		UJ											U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SG5MS
Location:	GW-0003
Type:	Matrix_Spike
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50													U
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	3.4													
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50	U			J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	4.5													
1,2-Dichloroethane	0.50													U

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SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SG5MS
Location:	GW-0003
Type:	Matrix_Spike
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	4.3													
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	5.7													
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	4.8													
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50		UJ											U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SG5MSD
Location:	GW-0003
Type:	Matrix_Spike_Duplicate
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50													U
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	3.8													
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50	U			J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	4.4													
1,2-Dichloroethane	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SG5MSD
Location:	GW-0003
Type:	Matrix_Spike_Duplicate
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	4.4													
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	5.1													
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	5.2													
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50		UJ											U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
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LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SG6
Location:	GW-0016
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.42		J		J		J					J		
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50													U
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SG6
Location:	GW-0016
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

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DL=Detection Limit
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SP=System Performance
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BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH0
Location:	GW-0002
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50													U
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50	U			J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	3.8													
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
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SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH0
Location:	GW-0002
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.48				J									
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50		UJ											U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.18				J									
1,2,3-Trichlorobenzene	0.50	U			J									

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BLA=Blanks
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH2
Location:	GW-0006
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	4.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	2.0													U
Chloromethane	2.0													U
Vinyl chloride	2.0													U
Bromomethane	2.0													U
Chloroethane	2.0													U
Trichlorofluoromethane	2.0													U
1,1-Dichloroethene	2.0													U
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0													U
Acetone	20													U
Carbon disulfide	2.0													U
Methyl acetate	2.0													U
Methylene chloride	2.0	U			J									
trans-1,2-Dichloroethene	2.0													U
Methyl tert-butyl ether	2.0													U
1,1-Dichloroethane	2.0													U
cis-1,2-Dichloroethene	2.8													
2-Butanone	20													U
Bromochloromethane	2.0													U
Chloroform	2.0													U
1,1,1-Trichloroethane	2.0													U
Cyclohexane	0.80				J									
Carbon tetrachloride	2.0													U
Benzene	2.0													U
1,2-Dichloroethane	2.0													U

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DL=Detection Limit
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IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH2
Location:	GW-0006
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	4.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	92													
Methylcyclohexane	2.0													U
1,2-Dichloropropane	2.0													U
Bromodichloromethane	2.0													U
cis-1,3-Dichloropropene	2.0													U
4-Methyl-2-pentanone	20													U
Toluene	2.3													
trans-1,3-Dichloropropene	2.0													U
1,1,2-Trichloroethane	2.0													U
Tetrachloroethene	73													
2-Hexanone	20													U
Dibromochloromethane	2.0													U
1,2-Dibromoethane	2.0													U
Chlorobenzene	2.0													U
Ethylbenzene	0.47				J									
o-Xylene	2.0													U
m,p-Xylene	0.70				J									
Styrene	2.0													U
Bromoform	2.0													U
Isopropylbenzene	2.0													U
1,1,2,2-Tetrachloroethane	2.0													U
1,3-Dichlorobenzene	2.0													U
1,4-Dichlorobenzene	2.0													U
1,2-Dichlorobenzene	2.0													U
1,2-Dibromo-3-chloropropane	2.0													U
1,2,4-Trichlorobenzene	2.0	U			J									
1,2,3-Trichlorobenzene	2.0													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH2DL
Location:	GW-0006
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	5.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	2.5													U
Chloromethane	2.5													U
Vinyl chloride	2.5													U
Bromomethane	2.5													U
Chloroethane	2.5													U
Trichlorofluoromethane	2.5													U
1,1-Dichloroethene	2.5													U
1,1,2-Trichloro-1,2,2-trifluoroethane	2.5													U
Acetone	25													U
Carbon disulfide	2.5													U
Methyl acetate	2.5													U
Methylene chloride	2.5													U
trans-1,2-Dichloroethene	2.5													U
Methyl tert-butyl ether	2.5													U
1,1-Dichloroethane	2.5											UJ		U
cis-1,2-Dichloroethene	2.3				J									
2-Butanone	25													U
Bromochloromethane	2.5											UJ		U
Chloroform	2.5											UJ		U
1,1,1-Trichloroethane	2.5													U
Cyclohexane	2.5													U
Carbon tetrachloride	2.5													U
Benzene	2.5													U
1,2-Dichloroethane	2.5													U

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SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH2DL
Location:	GW-0006
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	5.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	87													
Methylcyclohexane	2.5													U
1,2-Dichloropropane	2.5													U
Bromodichloromethane	2.5													U
cis-1,3-Dichloropropene	2.5													U
4-Methyl-2-pentanone	25													U
Toluene	2.5													U
trans-1,3-Dichloropropene	2.5													U
1,1,2-Trichloroethane	2.5													U
Tetrachloroethene	55													
2-Hexanone	25													U
Dibromochloromethane	2.5											UJ		U
1,2-Dibromoethane	2.5													U
Chlorobenzene	2.5													U
Ethylbenzene	2.5													U
o-Xylene	2.5													U
m,p-Xylene	2.5													U
Styrene	2.5													U
Bromoform	2.5											UJ		U
Isopropylbenzene	2.5													U
1,1,2,2-Tetrachloroethane	2.5													U
1,3-Dichlorobenzene	2.5													U
1,4-Dichlorobenzene	2.5													U
1,2-Dichlorobenzene	2.5													U
1,2-Dibromo-3-chloropropane	2.5													U
1,2,4-Trichlorobenzene	2.5													U
1,2,3-Trichlorobenzene	2.5													U

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SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH4
Location:	GW-0007
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	4.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	2.0													U
Chloromethane	2.0													U
Vinyl chloride	2.0													U
Bromomethane	2.0													U
Chloroethane	2.0													U
Trichlorofluoromethane	2.0													U
1,1-Dichloroethene	2.0													U
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0													U
Acetone	20													U
Carbon disulfide	2.0													U
Methyl acetate	2.0													U
Methylene chloride	2.0													U
trans-1,2-Dichloroethene	2.0													U
Methyl tert-butyl ether	2.0													U
1,1-Dichloroethane	2.0													U
cis-1,2-Dichloroethene	2.0													U
2-Butanone	20													U
Bromochloromethane	2.0													U
Chloroform	2.0													U
1,1,1-Trichloroethane	2.0													U
Cyclohexane	2.0													U
Carbon tetrachloride	2.0													U
Benzene	2.0													U
1,2-Dichloroethane	2.0													U

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SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH4
Location:	GW-0007
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	4.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	82													
Methylcyclohexane	2.0													U
1,2-Dichloropropane	2.0													U
Bromodichloromethane	2.0													U
cis-1,3-Dichloropropene	2.0													U
4-Methyl-2-pentanone	20													U
Toluene	2.0													U
trans-1,3-Dichloropropene	2.0													U
1,1,2-Trichloroethane	2.0													U
Tetrachloroethene	2.0													U
2-Hexanone	20													U
Dibromochloromethane	2.0													U
1,2-Dibromoethane	2.0													U
Chlorobenzene	2.0													U
Ethylbenzene	2.0													U
o-Xylene	2.0													U
m,p-Xylene	2.0													U
Styrene	2.0													U
Bromoform	2.0													U
Isopropylbenzene	2.0													U
1,1,2,2-Tetrachloroethane	2.0													U
1,3-Dichlorobenzene	2.0													U
1,4-Dichlorobenzene	2.0													U
1,2-Dichlorobenzene	2.0													U
1,2-Dibromo-3-chloropropane	2.0													U
1,2,4-Trichlorobenzene	2.0													U
1,2,3-Trichlorobenzene	2.0													U

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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH4DL
Location:	GW-0007
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	10.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	5.0													U
Chloromethane	5.0													U
Vinyl chloride	5.0													U
Bromomethane	5.0													U
Chloroethane	5.0													U
Trichlorofluoromethane	5.0													U
1,1-Dichloroethene	5.0													U
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0													U
Acetone	50													U
Carbon disulfide	5.0													U
Methyl acetate	5.0													U
Methylene chloride	5.0	U			J									
trans-1,2-Dichloroethene	5.0													U
Methyl tert-butyl ether	5.0													U
1,1-Dichloroethane	5.0													U
cis-1,2-Dichloroethene	5.0													U
2-Butanone	50													U
Bromochloromethane	5.0													U
Chloroform	5.0													U
1,1,1-Trichloroethane	5.0													U
Cyclohexane	5.0													U
Carbon tetrachloride	5.0													U
Benzene	5.0													U
1,2-Dichloroethane	5.0													U

** Data validated only for categories listed. Keys are:

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HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH4DL
Location:	GW-0007
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	10.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	75													
Methylcyclohexane	5.0													U
1,2-Dichloropropane	5.0													U
Bromodichloromethane	5.0													U
cis-1,3-Dichloropropene	5.0													U
4-Methyl-2-pentanone	50													U
Toluene	5.0													U
trans-1,3-Dichloropropene	5.0													U
1,1,2-Trichloroethane	5.0													U
Tetrachloroethene	5.0													U
2-Hexanone	50													U
Dibromochloromethane	5.0													U
1,2-Dibromoethane	5.0													U
Chlorobenzene	5.0													U
Ethylbenzene	5.0													U
o-Xylene	5.0													U
m,p-Xylene	5.0													U
Styrene	5.0													U
Bromoform	5.0													U
Isopropylbenzene	5.0													U
1,1,2,2-Tetrachloroethane	5.0													U
1,3-Dichlorobenzene	5.0													U
1,4-Dichlorobenzene	5.0													U
1,2-Dichlorobenzene	5.0													U
1,2-Dibromo-3-chloropropane	5.0													U
1,2,4-Trichlorobenzene	5.0													U
1,2,3-Trichlorobenzene	5.0													U

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SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH6
Location:	GW-0008
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	2.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	1.0													U
Chloromethane	1.0													U
Vinyl chloride	1.0													U
Bromomethane	1.0	U			J		J							
Chloroethane	1.0													U
Trichlorofluoromethane	1.0													U
1,1-Dichloroethene	1.0													U
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0													U
Acetone	10													U
Carbon disulfide	1.0													U
Methyl acetate	1.0													U
Methylene chloride	1.0													U
trans-1,2-Dichloroethene	1.0													U
Methyl tert-butyl ether	1.0													U
1,1-Dichloroethane	1.0													U
cis-1,2-Dichloroethene	1.0													U
2-Butanone	10													U
Bromochloromethane	1.0													U
Chloroform	1.0													U
1,1,1-Trichloroethane	1.0													U
Cyclohexane	1.0													U
Carbon tetrachloride	1.0													U
Benzene	1.0													U
1,2-Dichloroethane	1.0													U

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BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH6
Location:	GW-0008
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	2.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	60													
Methylcyclohexane	1.0													U
1,2-Dichloropropane	1.0													U
Bromodichloromethane	1.0													U
cis-1,3-Dichloropropene	1.0													U
4-Methyl-2-pentanone	10													U
Toluene	1.0													U
trans-1,3-Dichloropropene	1.0													U
1,1,2-Trichloroethane	1.0													U
Tetrachloroethene	1.0													U
2-Hexanone	10													U
Dibromochloromethane	1.0													U
1,2-Dibromoethane	1.0													U
Chlorobenzene	1.0													U
Ethylbenzene	1.0													U
o-Xylene	1.0													U
m,p-Xylene	1.0													U
Styrene	1.0													U
Bromoform	1.0													U
Isopropylbenzene	1.0													U
1,1,2,2-Tetrachloroethane	1.0													U
1,3-Dichlorobenzene	1.0													U
1,4-Dichlorobenzene	1.0													U
1,2-Dichlorobenzene	1.0													U
1,2-Dibromo-3-chloropropane	1.0													U
1,2,4-Trichlorobenzene	1.0													U
1,2,3-Trichlorobenzene	1.0													U

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TU=TUNE
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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH6DL
Location:	GW-0008
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	10.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	5.0													U
Chloromethane	5.0													U
Vinyl chloride	5.0													U
Bromomethane	5.0													U
Chloroethane	5.0													U
Trichlorofluoromethane	5.0													U
1,1-Dichloroethene	5.0													U
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0													U
Acetone	50													U
Carbon disulfide	5.0													U
Methyl acetate	5.0													U
Methylene chloride	5.0	U			J									
trans-1,2-Dichloroethene	5.0													U
Methyl tert-butyl ether	5.0													U
1,1-Dichloroethane	5.0													U
cis-1,2-Dichloroethene	5.0													U
2-Butanone	50													U
Bromochloromethane	5.0													U
Chloroform	5.0													U
1,1,1-Trichloroethane	5.0													U
Cyclohexane	5.0													U
Carbon tetrachloride	5.0													U
Benzene	5.0													U
1,2-Dichloroethane	5.0													U

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SP=System Performance
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BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH6DL
Location:	GW-0008
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	10.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	70													
Methylcyclohexane	5.0													U
1,2-Dichloropropane	5.0													U
Bromodichloromethane	5.0													U
cis-1,3-Dichloropropene	5.0													U
4-Methyl-2-pentanone	50													U
Toluene	5.0													U
trans-1,3-Dichloropropene	5.0													U
1,1,2-Trichloroethane	5.0													U
Tetrachloroethene	5.0													U
2-Hexanone	50													U
Dibromochloromethane	5.0													U
1,2-Dibromoethane	5.0													U
Chlorobenzene	5.0													U
Ethylbenzene	5.0													U
o-Xylene	5.0													U
m,p-Xylene	5.0													U
Styrene	5.0													U
Bromoform	5.0													U
Isopropylbenzene	5.0													U
1,1,2,2-Tetrachloroethane	5.0													U
1,3-Dichlorobenzene	5.0													U
1,4-Dichlorobenzene	5.0													U
1,2-Dichlorobenzene	5.0													U
1,2-Dibromo-3-chloropropane	5.0													U
1,2,4-Trichlorobenzene	5.0													U
1,2,3-Trichlorobenzene	5.0													U

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PM=Percent Moisture
MS=Matrix Spikes
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TU=TUNE
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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH8
Location:	GW-0009
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50	U			J		J							
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.2													
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50													U
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH8
Location:	GW-0009
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.42				J									
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH9
Location:	GW-0010
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50	U			J		J							
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50	U			J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	4.2													
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SH9
Location:	GW-0010
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.46				J									
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

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TU=TUNE
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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SJ2
Location:	GW-0011
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.32		J		J		J							
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50													U
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	1.2													
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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LCS=Laboratory Control Sample
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MS=Matrix Spikes
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TU=TUNE
CLE=Cleanup
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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SJ2
Location:	GW-0011
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	2.4													
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

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SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SJ4
Location:	GW-0012
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.32		J		J		J							
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50	U			J									
trans-1,2-Dichloroethene	0.62													
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	5.4													
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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CCAL=Continuing Calibration Verification
TU=TUNE
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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SJ4
Location:	GW-0012
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	3.0													
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.33				J									
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SJ6
Location:	GW-0013
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.35		J		J		J							
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50													U
trans-1,2-Dichloroethene	0.23				J									
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	1.7													
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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TU=TUNE
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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SJ6
Location:	GW-0013
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	51													
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.40				J									
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SJ6DL
Location:	GW-0013
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	10.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	5.0													U
Chloromethane	5.0													U
Vinyl chloride	5.0													U
Bromomethane	5.0		UJ											U
Chloroethane	5.0													U
Trichlorofluoromethane	5.0													U
1,1-Dichloroethene	5.0													U
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0													U
Acetone	50													U
Carbon disulfide	5.0													U
Methyl acetate	5.0													U
Methylene chloride	5.0	U			J									
trans-1,2-Dichloroethene	5.0													U
Methyl tert-butyl ether	5.0													U
1,1-Dichloroethane	5.0													U
cis-1,2-Dichloroethene	5.0													U
2-Butanone	50													U
Bromochloromethane	5.0													U
Chloroform	5.0													U
1,1,1-Trichloroethane	5.0													U
Cyclohexane	5.0													U
Carbon tetrachloride	5.0													U
Benzene	5.0													U
1,2-Dichloroethane	5.0													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SJ6DL
Location:	GW-0013
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	10.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	35													
Methylcyclohexane	5.0													U
1,2-Dichloropropane	5.0													U
Bromodichloromethane	5.0													U
cis-1,3-Dichloropropene	5.0													U
4-Methyl-2-pentanone	50													U
Toluene	5.0													U
trans-1,3-Dichloropropene	5.0													U
1,1,2-Trichloroethane	5.0													U
Tetrachloroethene	5.0													U
2-Hexanone	50													U
Dibromochloromethane	5.0													U
1,2-Dibromoethane	5.0													U
Chlorobenzene	5.0													U
Ethylbenzene	5.0													U
o-Xylene	5.0													U
m,p-Xylene	5.0													U
Styrene	5.0													U
Bromoform	5.0													U
Isopropylbenzene	5.0													U
1,1,2,2-Tetrachloroethane	5.0													U
1,3-Dichlorobenzene	5.0													U
1,4-Dichlorobenzene	5.0													U
1,2-Dichlorobenzene	5.0													U
1,2-Dibromo-3-chloropropane	5.0													U
1,2,4-Trichlorobenzene	5.0													U
1,2,3-Trichlorobenzene	5.0													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SJ7
Location:	GW-0015
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.53		J				J					J		
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50	U			J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SJ7
Location:	GW-0015
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SK1
Location:	GW-0014
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.28		J		J		J							
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50	U			J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	13													
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	E2SK1
Location:	GW-0014
Type:	Field_Sample
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	3.9													
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.67													
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

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National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK72
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50													U
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.46				J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK72
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50		UJ											U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.11				J									

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HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK74
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50													U
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.26				J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK74
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.13				J									
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.092				J									
1,2,3-Trichlorobenzene	0.11				J									

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SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK4Y
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.40				J		J							
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.60													
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK4Y
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

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IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK5A
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.39				J		J							
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.55													
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK5A
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK5C
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50		UJ											U
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.50													U
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK5C
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
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MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK5E
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.36				J		J							
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.24				J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

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DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VBLK5E
Location:	
Type:	Method_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VHBLK01
Location:	
Type:	Storage_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Dichlorodifluoromethane	0.50													U
Chloromethane	0.50													U
Vinyl chloride	0.50													U
Bromomethane	0.50													U
Chloroethane	0.50													U
Trichlorofluoromethane	0.50													U
1,1-Dichloroethene	0.50													U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50													U
Acetone	5.0													U
Carbon disulfide	0.50													U
Methyl acetate	0.50													U
Methylene chloride	0.29				J									
trans-1,2-Dichloroethene	0.50													U
Methyl tert-butyl ether	0.50													U
1,1-Dichloroethane	0.50													U
cis-1,2-Dichloroethene	0.50													U
2-Butanone	5.0													U
Bromochloromethane	0.50													U
Chloroform	0.50													U
1,1,1-Trichloroethane	0.50													U
Cyclohexane	0.50													U
Carbon tetrachloride	0.50													U
Benzene	0.50													U
1,2-Dichloroethane	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #5

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Intermediate Flag Results

VOA_Trace

Sample:	VHBLK01
Location:	
Type:	Storage_Blank
Matrix/Level:	Water/TRACE
Dilution Factor:	1.0
% Moisture:	
Units:	UG/L

		Data Review Category**												
Compound	**NFG Result**	**BLA**	**CCAL**	**CLE**	**DL**	**HT**	**ICAL**	**IS**	**LCS**	**MS**	**SP**	**SU**	**TU**	**NFGRE**
Trichloroethene	0.50													U
Methylcyclohexane	0.50													U
1,2-Dichloropropane	0.50													U
Bromodichloromethane	0.50													U
cis-1,3-Dichloropropene	0.50													U
4-Methyl-2-pentanone	5.0													U
Toluene	0.50													U
trans-1,3-Dichloropropene	0.50													U
1,1,2-Trichloroethane	0.50													U
Tetrachloroethene	0.50													U
2-Hexanone	5.0													U
Dibromochloromethane	0.50													U
1,2-Dibromoethane	0.50													U
Chlorobenzene	0.50													U
Ethylbenzene	0.50													U
o-Xylene	0.50													U
m,p-Xylene	0.50													U
Styrene	0.50													U
Bromoform	0.50													U
Isopropylbenzene	0.50													U
1,1,2,2-Tetrachloroethane	0.50													U
1,3-Dichlorobenzene	0.50													U
1,4-Dichlorobenzene	0.50													U
1,2-Dichlorobenzene	0.50													U
1,2-Dibromo-3-chloropropane	0.50													U
1,2,4-Trichlorobenzene	0.50													U
1,2,3-Trichlorobenzene	0.50													U

** Data validated only for categories listed. Keys are:

DL=Detection Limit
HT=Holding Times
IS=Internal Standard
SP=System Performance
SU=DMC/Surrogate
BLA=Blanks
LCS=Laboratory Control Sample
PM=Percent Moisture
MS=Matrix Spikes
ICAL=Initial Calibration
CCAL=Continuing Calibration Verification
TU=TUNE
CLE=Cleanup
NFGRE=NFG Reserved

National Functional Guidelines Report #06

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Analytical Sample Listing

VOA_Trace

						Extraction		Analysis		
Sample Number	**Sample Type**	**Matrix**	**Level**	**Sampling Date**	**Date Received**	**Type**	**Date/Time**	**Date/Time**	**GC Column**	**Instrument**
E2SG1	Field_Sample	Water	TRACE	10/30/2012 12:30:00	10/31/2012 09:50:00			11/09/2012 18:24:00	RTX-VMS	B-5973
E2SG5	Field_Sample	Water	TRACE	10/30/2012 14:30:00	10/31/2012 09:50:00			11/09/2012 18:56:00	RTX-VMS	B-5973
E2SG5MS	Matrix_Spike	Water	TRACE	10/30/2012 14:30:00	10/31/2012 09:50:00			11/09/2012 19:28:00	RTX-VMS	B-5973
E2SG5MSD	Matrix_Spike_Duplicate	Water	TRACE	10/30/2012 14:30:00	10/31/2012 09:50:00			11/09/2012 20:01:00	RTX-VMS	B-5973
E2SG6	Field_Sample	Water	TRACE	11/01/2012 15:15:00	11/02/2012 10:00:00			11/12/2012 12:42:00	RTX-VMS	G-5973
E2SH0	Field_Sample	Water	TRACE	10/30/2012 15:30:00	10/31/2012 09:50:00			11/09/2012 17:52:00	RTX-VMS	B-5973
E2SH2	Field_Sample	Water	TRACE	10/31/2012 10:35:00	11/01/2012 10:10:00			11/10/2012 11:42:00	RTX-VMS	B-5973
E2SH2DL	Field_Sample	Water	TRACE	10/31/2012 10:35:00	11/01/2012 10:10:00			11/08/2012 18:00:00	RTX-VMS	G-5973
E2SH4	Field_Sample	Water	TRACE	10/31/2012 11:45:00	11/01/2012 10:10:00			11/08/2012 18:56:00	RTX-VMS	G-5973
E2SH4DL	Field_Sample	Water	TRACE	10/31/2012 11:45:00	11/01/2012 10:10:00			11/09/2012 16:08:00	RTX-VMS	G-5973
E2SH6	Field_Sample	Water	TRACE	10/31/2012 13:00:00	11/01/2012 10:10:00			11/08/2012 19:52:00	RTX-VMS	G-5973
E2SH6DL	Field_Sample	Water	TRACE	10/31/2012 13:00:00	11/01/2012 10:10:00			11/09/2012 16:36:00	RTX-VMS	G-5973
E2SH8	Field_Sample	Water	TRACE	10/31/2012 14:20:00	11/01/2012 10:10:00			11/08/2012 17:32:00	RTX-VMS	G-5973
E2SH9	Field_Sample	Water	TRACE	10/31/2012 15:15:00	11/01/2012 10:10:00			11/09/2012 15:30:00	RTX-VMS	G-5973
E2SJ2	Field_Sample	Water	TRACE	11/01/2012 10:15:00	11/02/2012 10:00:00			11/12/2012 13:10:00	RTX-VMS	G-5973
E2SJ4	Field_Sample	Water	TRACE	11/01/2012 10:15:00	11/02/2012 10:00:00			11/12/2012 13:38:00	RTX-VMS	G-5973
E2SJ6	Field_Sample	Water	TRACE	11/01/2012 12:15:00	11/02/2012 10:00:00			11/12/2012 14:34:00	RTX-VMS	G-5973
E2SJ6DL	Field_Sample	Water	TRACE	11/01/2012 12:15:00	11/02/2012 10:00:00			11/12/2012 18:20:00	RTX-VMS	G-5973
E2SJ7	Field_Sample	Water	TRACE	11/01/2012 13:30:00	11/02/2012 10:00:00			11/12/2012 14:06:00	RTX-VMS	G-5973
E2SK1	Field_Sample	Water	TRACE	11/01/2012 12:30:00	11/02/2012 10:00:00			11/12/2012 16:46:00	RTX-VMS	G-5973

National Functional Guidelines Report #7

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Calibration Outliers

VOA_Trace InstrumentID=B-5973 Column=RTX-VMS Run-Batch=B42008

				Outliers					MeanRRF		%RSD		%D		ASSOCIATED SAMPLES		
QC Type	**Lab File ID**	**Analysis Date/Time**	**Outliers Compound**	**RRF 0.5**	**RRF 1**	**RRF 5**	**RRF 10**	**RRF 20**	**Lab**	**NFG**	**Lab**	**NFG**	**Lab**	**NFG**	**Associated Samples**	**Associated Lab File ID**	**Associated Analysis Date/Time**
Continuing Calibration Verification	B42026	11/09/2012 09:28:00	Bromoform										-34.2	-34.2	VBLK72	B42028	11/09/2012 10:55:00
															E2SH0	B42038	11/09/2012 17:52:00
															E2SG1	B42039	11/09/2012 18:24:00
															E2SG5	B42040	11/09/2012 18:56:00
															E2SG5MS	B42041	11/09/2012 19:28:00
															E2SG5MSD	B42042	11/09/2012 20:01:00

National Functional Guidelines Report #7

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Calibration Outliers

VOA_Trace InstrumentID=G-5973 Column=RTX-VMS Run-Batch=G21548

				Outliers					MeanRRF		%RSD		%D		ASSOCIATED SAMPLES		
QC Type	**Lab File ID**	**Analysis Date/Time**	**Outliers Compound**	**RRF 0.5**	**RRF 1**	**RRF 5**	**RRF 10**	**RRF 20**	**Lab**	**NFG**	**Lab**	**NFG**	**Lab**	**NFG**	**Associated Samples**	**Associated Lab File ID**	**Associated Analysis Date/Time**
Initial Calibration	G21548	11/05/2012 20:39:00	Bromomethane								35.7	35.7			VBLK4Y	G21579	11/08/2012 09:47:00
															E2SH8	G21593	11/08/2012 17:32:00
															E2SH2DL	G21594	11/08/2012 18:00:00
															E2SH4	G21596	11/08/2012 18:56:00
															E2SH6	G21598	11/08/2012 19:52:00
															VBLK5A	G21602	11/09/2012 14:34:00
															E2SH9	G21604	11/09/2012 15:30:00
															E2SH4DL	G21605	11/09/2012 16:08:00
															E2SH6DL	G21606	11/09/2012 16:36:00
															VBLK5C	G21619	11/12/2012 12:00:00
															E2SG6	G21620	11/12/2012 12:42:00
															E2SJ2	G21621	11/12/2012 13:10:00
															E2SJ4	G21622	11/12/2012 13:38:00
															E2SJ7	G21623	11/12/2012 14:06:00
															E2SJ6	G21624	11/12/2012 14:34:00
															E2SK1	G21627	11/12/2012 16:46:00
															E2SJ6DL	G21630	11/12/2012 18:20:00
															VBLK5E	G21638	11/12/2012 23:09:00
															VHBLK01	G21639	11/12/2012 23:40:00
Continuing Calibration	G21617	11/12/2012 09:56:00	Bromomethane										-38.6	-38.6	VBLK5C	G21619	11/12/2012 12:00:00

National Functional Guidelines Report #7

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Calibration Outliers

VOA_Trace InstrumentID=G-5973 Column=RTX-VMS Run-Batch=G21548

				Outliers					MeanRRF		%RSD		%D		ASSOCIATED SAMPLES		
QC Type	**Lab File ID**	**Analysis Date/Time**	**Outliers Compound**	**RRF 0.5**	**RRF 1**	**RRF 5**	**RRF 10**	**RRF 20**	**Lab**	**NFG**	**Lab**	**NFG**	**Lab**	**NFG**	**Associated Samples**	**Associated Lab File ID**	**Associated Analysis Date/Time**
Verification																	
															E2SG6	G21620	11/12/2012 12:42:00
															E2SJ2	G21621	11/12/2012 13:10:00
															E2SJ4	G21622	11/12/2012 13:38:00
															E2SJ7	G21623	11/12/2012 14:06:00
															E2SJ6	G21624	11/12/2012 14:34:00
															E2SK1	G21627	11/12/2012 16:46:00
															E2SJ6DL	G21630	11/12/2012 18:20:00

National Functional Guidelines Report #8

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Analytical Sequence

VOA_Trace

QC	Analysis	Date/Time	Matrix	Level	Dilution Factor	File ID	Instrument ID	Column ID	Run Batch	Analysis Batch	Analysis Batch End	Preparation Batch	Clean Up Batch	Storage Batch
IPC	BFB4T	11/05/2012 17:50:00				G21543	G-5973	RTX-VMS	G21548	G21543				
ICAL	VSTD0204T	11/05/2012 18:16:00				G21544	G-5973	RTX-VMS	G21548	G21543				
ICAL	VSTD0104T	11/05/2012 19:13:00				G21545	G-5973	RTX-VMS	G21548	G21543				
ICAL	VSTD0054T	11/05/2012 19:41:00				G21546	G-5973	RTX-VMS	G21548	G21543				
ICAL	VSTD0014T	11/05/2012 20:11:00				G21547	G-5973	RTX-VMS	G21548	G21543				
ICAL	VSTD0.54T	11/05/2012 20:39:00				G21548	G-5973	RTX-VMS	G21548	G21543				
IPC	BFB4Y	11/08/2012 09:02:00				G21577	G-5973	RTX-VMS	G21548	G21577				
CCV	VSTD0054Y	11/08/2012 09:18:00				G21578	G-5973	RTX-VMS	G21548	G21577	G21578			
MB	VBLK4Y	11/08/2012 09:47:00	Water	TRACE	1.0	G21579	G-5973	RTX-VMS	G21548	G21577	G21599	G21579		G21639
IPC	BFB70	11/08/2012 10:02:00				B42003	B-5973	RTX-VMS	B42008	B42003				
ICAL	VSTD02070	11/08/2012 10:14:00				B42004	B-5973	RTX-VMS	B42008	B42003				
ICAL	VSTD01070	11/08/2012 10:46:00				B42005	B-5973	RTX-VMS	B42008	B42003				
ICAL	VSTD00570	11/08/2012 11:19:00				B42006	B-5973	RTX-VMS	B42008	B42003				
ICAL	VSTD00170	11/08/2012 11:53:00				B42007	B-5973	RTX-VMS	B42008	B42003				
ICAL	VSTD0.570	11/08/2012 12:26:00				B42008	B-5973	RTX-VMS	B42008	B42003				
FS	E2SH8	11/08/2012 17:32:00	Water	TRACE	1.0	G21593	G-5973	RTX-VMS	G21548	G21577	G21599	G21579		G21639
FS	E2SH2DL	11/08/2012 18:00:00	Water	TRACE	5.0	G21594	G-5973	RTX-VMS	G21548	G21577	G21599	G21579		G21639
FS	E2SH4	11/08/2012 18:56:00	Water	TRACE	4.0	G21596	G-5973	RTX-VMS	G21548	G21577	G21599	G21579		G21639
MIB	VIBLK04	11/08/2012 19:24:00	Water	TRACE	1.0	G21597	G-5973	RTX-VMS	G21548	G21577	G21599	G21579		G21639
FS	E2SH6	11/08/2012 19:52:00	Water	TRACE	2.0	G21598	G-5973	RTX-VMS	G21548	G21577	G21599	G21579		G21639
CCV	VSTD0054Z	11/08/2012 20:20:00				G21599	G-5973	RTX-VMS	G21548	G21599	G21599			
IPC	BFB5A	11/09/2012 09:14:00				G21600	G-5973	RTX-VMS	G21548	G21600				
IPC	BFB72	11/09/2012 09:15:00				B42025	B-5973	RTX-VMS	B42008	B42025				
CCV	VSTD00572	11/09/2012 09:28:00				B42026	B-5973	RTX-VMS	B42008	B42025	B42026			
CCV	VSTD0055A	11/09/2012 09:30:00				G21601	G-5973	RTX-VMS	G21548	G21600	G21601			

National Functional Guidelines Report #8

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Analytical Sequence

VOA_Trace

QC	Analysis	Date/Time	Matrix	Level	Dilution Factor	File ID	Instrument ID	Column ID	Run Batch	Analysis Batch	Analysis Batch End	Preparation Batch	Clean Up Batch	Storage Batch
MB	VBLK72	11/09/2012 10:55:00	Water	TRACE	1.0	B42028	B-5973	RTX-VMS	B42008	B42025	B42043	B42028		G21639
MB	VBLK5A	11/09/2012 14:34:00	Water	TRACE	1.0	G21602	G-5973	RTX-VMS	G21548	G21600	G21614	G21602		G21639
FS	E2SH9	11/09/2012 15:30:00	Water	TRACE	1.0	G21604	G-5973	RTX-VMS	G21548	G21600	G21614	G21602		G21639
FS	E2SH4DL	11/09/2012 16:08:00	Water	TRACE	10.0	G21605	G-5973	RTX-VMS	G21548	G21600	G21614	G21602		G21639
FS	E2SH6DL	11/09/2012 16:36:00	Water	TRACE	10.0	G21606	G-5973	RTX-VMS	G21548	G21600	G21614	G21602		G21639
FS	E2SH0	11/09/2012 17:52:00	Water	TRACE	1.0	B42038	B-5973	RTX-VMS	B42008	B42025	B42043	B42028		G21639
FS	E2SG1	11/09/2012 18:24:00	Water	TRACE	1.0	B42039	B-5973	RTX-VMS	B42008	B42025	B42043	B42028		G21639
FS	E2SG5	11/09/2012 18:56:00	Water	TRACE	1.0	B42040	B-5973	RTX-VMS	B42008	B42025	B42043	B42028		G21639
MS	E2SG5MS	11/09/2012 19:28:00	Water	TRACE	1.0	B42041	B-5973	RTX-VMS	B42008	B42025	B42043	B42028		G21639
MSD	E2SG5MSD	11/09/2012 20:01:00	Water	TRACE	1.0	B42042	B-5973	RTX-VMS	B42008	B42025	B42043	B42028		G21639
CCV	VSTD0055B	11/09/2012 20:25:00				G21614	G-5973	RTX-VMS	G21548	G21614	G21614			
CCV	VSTD00573	11/09/2012 20:34:00				B42043	B-5973	RTX-VMS	B42008	B42043	B42043			
IPC	BFB74	11/10/2012 09:35:00				B42044	B-5973	RTX-VMS	B42008	B42044				
CCV	VSTD00574	11/10/2012 09:46:00				B42045	B-5973	RTX-VMS	B42008	B42044	B42045			
MB	VBLK74	11/10/2012 11:09:00	Water	TRACE	1.0	B42047	B-5973	RTX-VMS	B42008	B42044	B42063	B42047		G21639
FS	E2SH2	11/10/2012 11:42:00	Water	TRACE	4.0	B42048	B-5973	RTX-VMS	B42008	B42044	B42063	B42047		G21639
CCV	VSTD00575	11/10/2012 19:50:00				B42063	B-5973	RTX-VMS	B42008	B42063	B42063			
IPC	BFB5C	11/12/2012 09:41:00				G21616	G-5973	RTX-VMS	G21548	G21616				
CCV	VSTD0055C	11/12/2012 09:56:00				G21617	G-5973	RTX-VMS	G21548	G21616	G21617			
MB	VBLK5C	11/12/2012 12:00:00	Water	TRACE	1.0	G21619	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
FS	E2SG6	11/12/2012 12:42:00	Water	TRACE	1.0	G21620	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
FS	E2SJ2	11/12/2012 13:10:00	Water	TRACE	1.0	G21621	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
FS	E2SJ4	11/12/2012 13:38:00	Water	TRACE	1.0	G21622	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639

National Functional Guidelines Report #8

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Analytical Sequence

VOA_Trace

QC	Analysis	Date/Time	Matrix	Level	Dilution Factor	File ID	Instrument ID	Column ID	Run Batch	Analysis Batch	Analysis Batch End	Preparation Batch	Clean Up Batch	Storage Batch
FS	E2SJ7	11/12/2012 14:06:00	Water	TRACE	1.0	G21623	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
FS	E2SJ6	11/12/2012 14:34:00	Water	TRACE	1.0	G21624	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
MIB	VIBLK30	11/12/2012 16:07:00	Water	TRACE	1.0	G21626	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
FS	E2SK1	11/12/2012 16:46:00	Water	TRACE	1.0	G21627	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
FS	E2SJ6DL	11/12/2012 18:20:00	Water	TRACE	10.0	G21630	G-5973	RTX-VMS	G21548	G21616	G21635	G21619		G21639
CCV	VSTD0055D	11/12/2012 20:42:00				G21635	G-5973	RTX-VMS	G21548	G21635	G21635			
IPC	BFB5E	11/12/2012 22:16:00				G21636	G-5973	RTX-VMS	G21548	G21636				
CCV	VSTD0055E	11/12/2012 22:31:00				G21637	G-5973	RTX-VMS	G21548	G21636	G21637			
MB	VBLK5E	11/12/2012 23:09:00	Water	TRACE	1.0	G21638	G-5973	RTX-VMS	G21548	G21636	G21657	G21638		G21639
SB	VHBLK01	11/12/2012 23:40:00	Water	TRACE	1.0	G21639	G-5973	RTX-VMS	G21548	G21636	G21657	G21638		G21639
CCV	VSTD0055F	11/13/2012 08:25:00				G21657	G-5973	RTX-VMS	G21548	G21657	G21657			

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SG1 Location=GW-0001 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.16	1.4	UG/L	J
	Unknown-02	2.70	1.4	UG/L	J
	Unknown-03	2.97	1.5	UG/L	J
	Unknown-04	4.28	1.1	UG/L	J
	Unknown-05	5.04	1.0	UG/L	J
	Unknown-06	5.95	0.59	UG/L	J
	Unknown-07	7.31	0.39	UG/L	J
	Unknown-08	7.80	0.35	UG/L	J
	Unknown-09	10.71	11	UG/L	J
	Unknown-10	10.91	0.36	UG/L	J
	Unknown-11	11.62	0.33	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SG5 Location=GW-0003 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.71	11	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SG6 Location=GW-0016 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.90	0.59	UG/L	J
	Unknown-02	2.95	0.61	UG/L	J
	Unknown-03	10.75	8.3	UG/L	J
	Unknown-04	10.95	0.50	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SH0 Location=GW-0002 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.58	2.4	UG/L	J
	Unknown-02	2.71	0.36	UG/L	J
	Unknown-03	2.91	0.91	UG/L	J
	Unknown-04	4.73	0.29	UG/L	J
	Unknown-05	5.05	0.32	UG/L	J
	Unknown-06	10.71	11	UG/L	J
	Unknown-07	11.62	0.27	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SH2 Location=GW-0006 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.16	8.6	UG/L	J
000078-78-4	Butane, 2-methyl-	2.69	5.3	UG/L	NJ
	Unknown-02	2.95	5.6	UG/L	J
	Unknown-03	4.26	3.5	UG/L	J
	Unknown-04	10.71	38	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SH2DL Location=GW-0006 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.79	28	UG/L	DJ

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SH4 Location=GW-0007 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.78	27	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SH4DL Location=GW-0007 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.78	70	UG/L	DJB

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SH6 Location=GW-0008 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.78	13	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SH6DL Location=GW-0008 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.79	73	UG/L	DJ

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SH8 Location=GW-0009 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.78	6.6	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SH9 Location=GW-0010 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.79	7.7	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SJ2 Location=GW-0011 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.75	7.8	UG/L	JB

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SJ4 Location=GW-0012 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.05	0.99	UG/L	J
	Unknown-02	2.19	0.52	UG/L	J
	Unknown-03	3.00	1.1	UG/L	J
	Unknown-04	4.32	0.55	UG/L	J
	Unknown-05	10.76	7.5	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SJ6 Location=GW-0013 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.05	1.1	UG/L	J
	Unknown-02	10.75	7.4	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SJ6DL Location=GW-0013 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	5.38	20	UG/L	DJ
	Unknown-02	10.75	59	UG/L	DJ

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SJ7 Location=GW-0015 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.05	0.83	UG/L	J
	Unknown-02	10.76	7.8	UG/L	J
	Unknown-03	11.16	0.80	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=E2SK1 Location=GW-0014 Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.11	0.52	UG/L	J
	Unknown-02	2.91	1.1	UG/L	J
	Unknown-03	10.76	6.1	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=VBLK4Y Location= Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.77	6.5	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=VBLK5A Location= Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.78	8.4	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=VBLK5C Location= Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.04	1.1	UG/L	J
	Unknown-02	10.75	6.3	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=VBLK5E Location= Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.91	0.58	UG/L	J
	Unknown-02	5.37	1.3	UG/L	J
	Unknown-03	10.74	6.7	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=VBLK72 Location= Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.70	9.2	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=VBLK74 Location= Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.71	9.1	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=VHBLK01 Location= Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.74	6.5	UG/L	JB

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=VIBLK04 Location= Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	10.78	7.8	UG/L	J

National Functional Guidelines Report #09

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Tentatively Identified Compounds

VOA_Trace Sample=VIBLK30 Location= Matrix=Water Level=TRACE

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	2.05	0.87	UG/L	J
	Unknown-02	2.91	1.2	UG/L	J
	Unknown-03	10.75	8.3	UG/L	J

National Functional Guidelines Report #11

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Identification Summary for Single & Multi Component Analytes

NONE FOUND

National Functional Guidelines Report #12

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Blank Contaminant Results

VOA_Trace QC=Method_Blank Matrix=Water Level=TRACE Instrument=B-5973 Column=RTX-VMS

Compound		Sample	Conc.	Unit	CRQL	Unit	Lab Flag		Blank	Conc.	Unit	CRQL	Unit	Lab Flag
1,2,3-Trichlorobenzene		E2SG1	0.10	ug/L	0.50	UG/L	JB		VBLK72	0.10	UG/L	0.50	UG/L	J
Methylene chloride			0.20		0.50		JB			0.50		1.0		J
1,2,3-Trichlorobenzene		E2SG5		ug/L	0.50	UG/L	U		VBLK72	0.10	UG/L	0.50	UG/L	J
Methylene chloride			0.20		0.50		JB			0.50		1.0		J
1,2,3-Trichlorobenzene		E2SG5MS		ug/L	0.50	UG/L	U		VBLK72	0.10	UG/L	0.50	UG/L	J
Methylene chloride			0.30		0.50		JB			0.50		1.0		J
1,2,3-Trichlorobenzene		E2SG5MSD		ug/L	0.50	UG/L	U		VBLK72	0.10	UG/L	0.50	UG/L	J
Methylene chloride			0.30		0.50		JB			0.50		1.0		J
1,2,3-Trichlorobenzene		E2SH0	0.40	ug/L	0.50	UG/L	JB		VBLK72	0.10	UG/L	0.50	UG/L	J
Methylene chloride			0.30		0.50		JB			0.50		1.0		J
1,2,3-Trichlorobenzene		E2SH2		ug/L	2.0	UG/L	U		VBLK74	0.10	UG/L	0.50	UG/L	J
1,2,4-Trichlorobenzene			0.40		2.0		JB			0.10		0.50		J
Chlorobenzene					2.0		U			0.10		0.50		J
Methylene chloride			1.5		2.0		JB			0.30		1.0		J

National Functional Guidelines Report #12

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Blank Contaminant Results

VOA_Trace QC=Method_Blank Matrix=Water Level=TRACE Instrument=G-5973 Column=RTX-VMS

Compound		Sample	Conc.	Unit	CRQL	Unit	Lab Flag		Blank	Conc.	Unit	CRQL	Unit	Lab Flag
Bromomethane		E2SH2DL		ug/L	2.5	UG/L	U		VBLK4Y	0.40	UG/L	0.50	UG/L	J
Methylene chloride					2.5		U			0.60		1.0		
Bromomethane		E2SH4		ug/L	2.0	UG/L	U		VBLK4Y	0.40	UG/L	0.50	UG/L	J
Methylene chloride					2.0		U			0.60		1.0		
Bromomethane		E2SH6	0.60	ug/L	1.0	UG/L	JB		VBLK4Y	0.40	UG/L	0.50	UG/L	J
Methylene chloride					1.0		U			0.60		1.0		
Bromomethane		E2SH8	0.40	ug/L	0.50	UG/L	JB		VBLK4Y	0.40	UG/L	0.50	UG/L	J
Methylene chloride					0.50		U			0.60		1.0		
Bromomethane		E2SH4DL		ug/L	5.0	UG/L	U		VBLK5A	0.40	UG/L	0.50	UG/L	J
Methylene chloride			4.6		5.0		DJB			0.50		1.0		
Bromomethane		E2SH6DL		ug/L	5.0	UG/L	U		VBLK5A	0.40	UG/L	0.50	UG/L	J
Methylene chloride			5.0		5.0		DJB			0.50		1.0		
Bromomethane		E2SH9	0.30	ug/L	0.50	UG/L	JB		VBLK5A	0.40	UG/L	0.50	UG/L	J
Methylene chloride			0.40		0.50		JB			0.50		1.0		

National Functional Guidelines Report #12

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Blank Contaminant Results

VOA_Trace QC=Method_Instrument_Blank Matrix=Water Level=TRACE Instrument=G-5973 Column=RTX-VMS

Compound		Sample	Conc.	Unit	CRQL	Unit	Lab Flag		Blank	Conc.	Unit	CRQL	Unit	Lab Flag
Bromomethane		E2SH2DL		ug/L	2.5	UG/L	U		VIBLK04	0.40	UG/L	0.50	UG/L	JB
Bromomethane		E2SH4		ug/L	2.0	UG/L	U		VIBLK04	0.40	UG/L	0.50	UG/L	JB
Bromomethane		E2SH6	0.60	ug/L	1.0	UG/L	JB		VIBLK04	0.40	UG/L	0.50	UG/L	JB
Bromomethane		E2SH8	0.40	ug/L	0.50	UG/L	JB		VIBLK04	0.40	UG/L	0.50	UG/L	JB
Bromomethane		E2SG6	0.40	ug/L	0.50	UG/L	J		VIBLK30	0.40	UG/L	0.50	UG/L	J
Methylene chloride					0.50		U			0.50		1.0		J
Bromomethane		E2SJ2	0.30	ug/L	0.50	UG/L	J		VIBLK30	0.40	UG/L	0.50	UG/L	J
Methylene chloride					0.50		U			0.50		1.0		J
Bromomethane		E2SJ4	0.30	ug/L	0.50	UG/L	J		VIBLK30	0.40	UG/L	0.50	UG/L	J
Methylene chloride			0.20		0.50		J			0.50		1.0		J
Bromomethane		E2SJ6	0.30	ug/L	0.50	UG/L	J		VIBLK30	0.40	UG/L	0.50	UG/L	J
Methylene chloride					0.50		U			0.50		1.0		J
Bromomethane		E2SJ6DL		ug/L	5.0	UG/L	U		VIBLK30	0.40	UG/L	0.50	UG/L	J
Methylene chloride			2.6		5.0		DJ			0.50		1.0		J
Bromomethane		E2SJ7	0.50	ug/L	0.50	UG/L			VIBLK30	0.40	UG/L	0.50	UG/L	J
Methylene chloride			0.20		0.50		J			0.50		1.0		J

National Functional Guidelines Report #12

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Blank Contaminant Results

VOA_Trace QC=Method_Instrument_Blank Matrix=Water Level=TRACE Instrument=G-5973 Column=RTX-VMS

Compound		Sample	Conc.	Unit	CRQL	Unit	Lab Flag		Blank	Conc.	Unit	CRQL	Unit	Lab Flag
Bromomethane		E2SK1	0.30	ug/L	0.50	UG/L	J		VIBLK30	0.40	UG/L	0.50	UG/L	J
Methylene chloride			0.40		0.50		J			0.50		1.0		J

National Functional Guidelines Report #12

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Blank Contaminant Results

VOA_Trace QC=Storage_Blank Matrix=Water Level=TRACE Instrument=G-5973 Column=RTX-VMS

Compound		Sample	Conc.	Unit	CRQL	Unit	Lab Flag		Blank	Conc.	Unit	CRQL	Unit	Lab Flag
Methylene chloride		E2SG1	0.20	ug/L	0.50	UG/L	JB		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SG5	0.20	ug/L	0.50	UG/L	JB		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SG5MS	0.30	ug/L	0.50	UG/L	JB		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SG5MSD	0.30	ug/L	0.50	UG/L	JB		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SG6		ug/L	0.50	UG/L	U		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SH0	0.30	ug/L	0.50	UG/L	JB		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SH2	1.5	ug/L	2.0	UG/L	JB		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SH2DL		ug/L	2.5	UG/L	U		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SH4		ug/L	2.0	UG/L	U		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SH4DL	4.6	ug/L	5.0	UG/L	DJB		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SH6		ug/L	1.0	UG/L	U		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SH6DL	5.0	ug/L	5.0	UG/L	DJB		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SH8		ug/L	0.50	UG/L	U		VHBLK01	0.30	UG/L	1.0	UG/L	JB

National Functional Guidelines Report #12

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Blank Contaminant Results

VOA_Trace QC=Storage_Blank Matrix=Water Level=TRACE Instrument=G-5973 Column=RTX-VMS

Compound		Sample	Conc.	Unit	CRQL	Unit	Lab Flag		Blank	Conc.	Unit	CRQL	Unit	Lab Flag
Methylene chloride		E2SH9	0.40	ug/L	0.50	UG/L	JB		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SJ2		ug/L	0.50	UG/L	U		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SJ4	0.20	ug/L	0.50	UG/L	J		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SJ6		ug/L	0.50	UG/L	U		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SJ6DL	2.6	ug/L	5.0	UG/L	DJ		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SJ7	0.20	ug/L	0.50	UG/L	J		VHBLK01	0.30	UG/L	1.0	UG/L	JB
Methylene chloride		E2SK1	0.40	ug/L	0.50	UG/L	J		VHBLK01	0.30	UG/L	1.0	UG/L	JB

National Functional Guidelines Report #13

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

MS/ MSD Recoveries

VOA_Trace OriginalSample=E2SG5 Level=TRACE Matrix=Water GC Column=RTX-VMS

Sample	Analysis Date/Time	Compound Name	Spike Added		Original Sample Conc		MS/MSD Conc		Lab %R	Lab RPD	NFG Calculated %R	NFG Calculated RPD
E2SG5MS	11/09/2012 19:28:00	1,1-Dichloroethene	5	UG/L		UG/L	3.4	UG/L	67	13	67	
		Benzene	5				4.5		89	1	89	
		Chlorobenzene	5				4.8		96	7	96	
		Toluene	5				5.7		114	12	114	
		Trichloroethene	5				4.3		87	2	87	
E2SG5MSD	11/09/2012 20:01:00	1,1-Dichloroethene	5				3.8		76	13	76	13
		Benzene	5				4.4		89	1	89	1
		Chlorobenzene	5				5.2		103	7	103	7
		Toluene	5				5.1		101	12	101	12
		Trichloroethene	5				4.4		89	2	89	2

National Functional Guidelines Report #14

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

LCS Recoveries

NONE FOUND

National Functional Guidelines Report #15

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

System Performance
Resolution Check Mixture Data Summary

NONE FOUND

National Functional Guidelines Report #15

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

System Performance
Performance Evaluation Mixture Data Summary

NONE FOUND

National Functional Guidelines Report #16

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Initial Calibration Data Summary

VOA_Trace 1A Initial_Calibration InstrumentID=B-5973 Column=RTX-VMS HeatedPurge=N/A RRF-20.0

		RRF-0.5 VSTD0.570 B42008 11/08/2012 12:26:00	RRF-1 VSTD00170 B42007 11/08/2012 11:53:00	RRF-5 VSTD00570 B42006 11/08/2012 11:19:00	RRF-10 VSTD01070 B42005 11/08/2012 10:46:00	RRF-20 VSTD02070 B42004 11/08/2012 10:14:00	Lab Reported		NFG Calculated	
Compound	**Peak ID**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**Avg RRF/CF**	**%RSD**	**Avg RRF/CF**	**%RSD**
Dichlorodifluoromethane	85	0.426	0.432	0.434	0.440	0.444	0.435	1.6	0.435	1.6
Chloromethane	50	1.004	0.894	0.867	0.843	0.839	0.889	7.6	0.889	7.6
Vinyl chloride	62	0.816	0.789	0.782	0.761	0.764	0.782	2.8	0.782	2.8
Bromomethane	94	0.455	0.390	0.461	0.444	0.399	0.430	7.7	0.430	7.7
Chloroethane	64	0.183	0.143	0.139	0.141	0.124	0.146	15.0	0.146	15.0
Trichlorofluoromethane	101	0.683	0.676	0.634	0.616	0.581	0.638	6.7	0.638	6.7
1,1-Dichloroethene	96	0.692	0.584	0.639	0.616	0.626	0.631	6.3	0.631	6.3
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.681	0.629	0.633	0.619	0.622	0.637	4.0	0.637	4.0
Acetone	43	0.142	0.132	0.120	0.118	0.111	0.125	9.8	0.125	9.8
Carbon disulfide	76	2.543	2.482	2.427	2.334	2.339	2.425	3.7	2.425	3.7
Methyl acetate	43	0.701	0.473	0.466	0.445	0.409	0.499	23.2	0.499	23.2
Methylene chloride	84	1.084	0.980	1.273	1.207	1.157	1.140	9.9	1.140	9.9
trans-1,2-Dichloroethene	96	0.659	0.657	0.687	0.668	0.697	0.673	2.6	0.673	2.6
Methyl tert-butyl ether	73	1.033	0.951	1.170	1.141	1.174	1.094	9.0	1.094	9.0
1,1-Dichloroethane	63	1.404	1.245	1.308	1.252	1.287	1.299	4.9	1.299	4.9
cis-1,2-Dichloroethene	96	0.674	0.655	0.690	0.682	0.717	0.684	3.3	0.684	3.3
2-Butanone	43	0.241	0.210	0.219	0.209	0.196	0.215	7.7	0.215	7.7
Bromochloromethane	128	0.290	0.287	0.278	0.273	0.270	0.280	3.1	0.280	3.1
Chloroform	83	1.225	1.098	1.071	1.010	1.027	1.086	7.9	1.086	7.9
1,1,1-Trichloroethane	97	0.859	0.817	0.832	0.779	0.785	0.814	4.1	0.814	4.1
Cyclohexane	56	1.118	1.138	1.239	1.235	1.237	1.193	5.1	1.193	5.1
Carbon tetrachloride	117	0.623	0.598	0.635	0.601	0.619	0.615	2.6	0.615	2.6
Benzene	78	3.050	2.728	2.807	2.661	2.637	2.777	6.0	2.777	6.0
1,2-Dichloroethane	62	0.658	0.655	0.682	0.656	0.672	0.664	1.8	0.664	1.8

National Functional Guidelines Report #16

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Initial Calibration Data Summary

VOA_Trace 1A Initial_Calibration InstrumentID=G-5973 Column=RTX-VMS HeatedPurge=N/A RRF-20.0

		RRF-0.5 VSTD0.54T G21548 11/05/2012 20:39:00	RRF-1 VSTD0014T G21547 11/05/2012 20:11:00	RRF-5 VSTD0054T G21546 11/05/2012 19:41:00	RRF-10 VSTD0104T G21545 11/05/2012 19:13:00	RRF-20 VSTD0204T G21544 11/05/2012 18:16:00	Lab Reported		NFG Calculated	
Compound	**Peak ID**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**Avg RRF/CF**	**%RSD**	**Avg RRF/CF**	**%RSD**
Dichlorodifluoromethane	85	0.540	0.574	0.558	0.578	0.561	0.562	2.7	0.562	2.7
Chloromethane	50	0.659	0.660	0.551	0.540	0.533	0.588	11.0	0.588	11.0
Vinyl chloride	62	0.430	0.465	0.464	0.478	0.440	0.455	4.3	0.455	4.3
Bromomethane	94	0.492	0.354	0.260	0.242	0.221	0.314	35.7	0.314	35.7
Chloroethane	64	0.163	0.142	0.130	0.122	0.127	0.137	12.2	0.137	12.2
Trichlorofluoromethane	101	0.636	0.699	0.673	0.667	0.601	0.655	5.7	0.655	5.7
1,1-Dichloroethene	96	0.361	0.398	0.409	0.430	0.415	0.402	6.5	0.402	6.5
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.381	0.437	0.430	0.454	0.446	0.430	6.6	0.430	6.6
Acetone	43	0.125	0.094	0.080	0.087	0.079	0.093	20.1	0.093	20.1
Carbon disulfide	76	1.053	1.156	1.233	1.350	1.332	1.225	10.1	1.225	10.1
Methyl acetate	43	0.500	0.323	0.282	0.292	0.260	0.331	29.2	0.331	29.2
Methylene chloride	84	0.855	0.596	0.638	0.659	0.788	0.707	15.5	0.707	15.5
trans-1,2-Dichloroethene	96	0.425	0.434	0.432	0.456	0.442	0.438	2.7	0.438	2.7
Methyl tert-butyl ether	73	0.802	0.840	0.911	1.031	0.992	0.915	10.6	0.915	10.6
1,1-Dichloroethane	63	0.786	0.853	0.819	0.866	0.841	0.833	3.8	0.833	3.8
cis-1,2-Dichloroethene	96	0.408	0.421	0.431	0.463	0.451	0.435	5.1	0.435	5.1
2-Butanone	43	0.176	0.142	0.136	0.153	0.136	0.149	11.4	0.149	11.4
Bromochloromethane	128	0.179	0.194	0.198	0.211	0.199	0.196	5.9	0.196	5.9
Chloroform	83	0.736	0.792	0.789	0.833	0.816	0.793	4.7	0.793	4.7
1,1,1-Trichloroethane	97	0.648	0.698	0.767	0.800	0.802	0.743	9.1	0.743	9.1
Cyclohexane	56	0.645	0.742	0.877	0.927	0.924	0.823	15.1	0.823	15.1
Carbon tetrachloride	117	0.543	0.605	0.643	0.688	0.695	0.635	10.0	0.635	10.0
Benzene	78	1.666	1.785	1.872	1.936	1.880	1.828	5.8	1.828	5.8
1,2-Dichloroethane	62	0.534	0.580	0.571	0.614	0.590	0.578	5.1	0.578	5.1

National Functional Guidelines Report #16

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Initial Calibration Data Summary

VOA_Trace 1B Initial_Calibration InstrumentID=B-5973 Column=RTX-VMS HeatedPurge=N/A RRF-20.0

		RRF-0.5 VSTD0.570 B42008 11/08/2012 12:26:00	RRF-1 VSTD00170 B42007 11/08/2012 11:53:00	RRF-5 VSTD00570 B42006 11/08/2012 11:19:00	RRF-10 VSTD01070 B42005 11/08/2012 10:46:00	RRF-20 VSTD02070 B42004 11/08/2012 10:14:00	Lab Reported		NFG Calculated	
Compound	**Peak ID**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**Avg RRF/CF**	**%RSD**	**Avg RRF/CF**	**%RSD**
Trichloroethene	95	0.700	0.686	0.682	0.657	0.656	0.676	2.8	0.676	2.8
Methylcyclohexane	83	0.863	0.881	1.075	1.090	1.138	1.009	12.7	1.009	12.7
1,2-Dichloropropane	63	0.734	0.755	0.754	0.722	0.736	0.740	1.9	0.740	1.9
Bromodichloromethane	83	0.749	0.747	0.758	0.730	0.751	0.747	1.4	0.747	1.4
cis-1,3-Dichloropropene	75	0.807	0.878	0.972	0.971	0.991	0.924	8.5	0.924	8.5
4-Methyl-2-pentanone	43	0.405	0.424	0.462	0.437	0.380	0.422	7.3	0.422	7.3
Toluene	91	2.593	2.656	2.726	2.609	2.654	2.647	2.0	2.647	2.0
trans-1,3-Dichloropropene	75	0.691	0.654	0.746	0.747	0.768	0.721	6.6	0.721	6.6
1,1,2-Trichloroethane	97	0.540	0.535	0.523	0.502	0.503	0.521	3.4	0.521	3.4
Tetrachloroethene	164	0.538	0.492	0.501	0.490	0.495	0.503	4.0	0.503	4.0
2-Hexanone	43	0.411	0.416	0.379	0.349	0.301	0.371	12.8	0.371	12.8
Dibromochloromethane	129	0.424	0.408	0.481	0.456	0.482	0.450	7.4	0.450	7.4
1,2-Dibromoethane	107	0.444	0.431	0.486	0.478	0.483	0.464	5.4	0.464	5.4
Chlorobenzene	112	1.767	1.667	1.720	1.694	1.746	1.719	2.3	1.719	2.3
Ethylbenzene	91	2.571	2.660	3.015	2.950	3.010	2.841	7.4	2.841	7.4
o-Xylene	106	0.829	0.858	1.138	1.165	1.221	1.042	17.7	1.042	17.7
m,p-Xylene	106	0.943	0.968	1.215	1.213	1.269	1.121	13.7	1.121	13.7
Styrene	104	1.336	1.443	1.910	1.896	1.978	1.713	17.5	1.713	17.5
Bromoform	173	0.615	0.629	0.684	0.613	0.626	0.633	4.6	0.633	4.6
Isopropylbenzene	105	2.073	2.325	2.868	3.118	3.275	2.732	18.9	2.732	18.9
1,1,2,2-Tetrachloroethane	83	0.638	0.582	0.642	0.616	0.593	0.614	4.3	0.614	4.3
1,3-Dichlorobenzene	146	2.811	3.042	2.973	2.795	2.734	2.871	4.5	2.871	4.5
1,4-Dichlorobenzene	146	3.188	3.230	2.966	2.764	2.697	2.969	8.1	2.969	8.1
1,2-Dichlorobenzene	146	2.788	2.915	2.717	2.490	2.345	2.651	8.7	2.651	8.7

National Functional Guidelines Report #16

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Initial Calibration Data Summary

VOA_Trace 1B Initial_Calibration InstrumentID=B-5973 Column=RTX-VMS HeatedPurge=N/A RRF-20.0

		RRF-0.5 VSTD0.570 B42008 11/08/2012 12:26:00	RRF-1 VSTD00170 B42007 11/08/2012 11:53:00	RRF-5 VSTD00570 B42006 11/08/2012 11:19:00	RRF-10 VSTD01070 B42005 11/08/2012 10:46:00	RRF-20 VSTD02070 B42004 11/08/2012 10:14:00	Lab Reported		NFG Calculated	
Compound	**Peak ID**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**Avg RRF/CF**	**%RSD**	**Avg RRF/CF**	**%RSD**
1,2-Dibromo-3-chloropropane	75	0.188	0.174	0.181	0.169	0.157	0.174	6.7	0.174	6.7
1,2,4-Trichlorobenzene	180	1.122	1.402	1.235	1.176	1.176	1.222	8.9	1.222	8.9
1,2,3-Trichlorobenzene	180	1.047	1.205	1.024	0.943	0.941	1.032	10.4	1.032	10.4

National Functional Guidelines Report #16

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Initial Calibration Data Summary

VOA_Trace 1B Initial_Calibration InstrumentID=G-5973 Column=RTX-VMS HeatedPurge=N/A RRF-20.0

		RRF-0.5 VSTD0.54T G21548 11/05/2012 20:39:00	RRF-1 VSTD0014T G21547 11/05/2012 20:11:00	RRF-5 VSTD0054T G21546 11/05/2012 19:41:00	RRF-10 VSTD0104T G21545 11/05/2012 19:13:00	RRF-20 VSTD0204T G21544 11/05/2012 18:16:00	Lab Reported		NFG Calculated	
Compound	**Peak ID**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**Avg RRF/CF**	**%RSD**	**Avg RRF/CF**	**%RSD**
Trichloroethene	95	0.420	0.469	0.502	0.516	0.501	0.482	8.0	0.482	8.0
Methylcyclohexane	83	0.531	0.637	0.762	0.819	0.822	0.714	17.8	0.714	17.8
1,2-Dichloropropane	63	0.432	0.472	0.496	0.516	0.515	0.486	7.2	0.486	7.2
Bromodichloromethane	83	0.442	0.495	0.570	0.603	0.611	0.544	13.4	0.544	13.4
cis-1,3-Dichloropropene	75	0.514	0.630	0.757	0.818	0.813	0.706	18.6	0.706	18.6
4-Methyl-2-pentanone	43	0.313	0.266	0.323	0.355	0.331	0.318	10.3	0.318	10.3
Toluene	91	1.537	1.805	2.069	2.158	2.132	1.940	13.7	1.940	13.7
trans-1,3-Dichloropropene	75	0.513	0.588	0.672	0.724	0.700	0.639	13.7	0.639	13.7
1,1,2-Trichloroethane	97	0.332	0.320	0.357	0.380	0.363	0.351	6.8	0.351	6.8
Tetrachloroethene	164	0.328	0.360	0.389	0.408	0.394	0.376	8.5	0.376	8.5
2-Hexanone	43	0.264	0.244	0.261	0.262	0.262	0.258	3.2	0.258	3.2
Dibromochloromethane	129	0.295	0.326	0.373	0.410	0.414	0.364	14.3	0.364	14.3
1,2-Dibromoethane	107	0.285	0.305	0.330	0.353	0.341	0.323	8.5	0.323	8.5
Chlorobenzene	112	1.190	1.299	1.366	1.392	1.365	1.322	6.2	1.322	6.2
Ethylbenzene	91	1.772	2.037	2.381	2.477	2.468	2.227	14.0	2.227	14.0
o-Xylene	106	0.513	0.647	0.841	0.902	0.898	0.760	22.7	0.760	22.7
m,p-Xylene	106	0.594	0.721	0.891	0.944	0.935	0.817	18.8	0.817	18.8
Styrene	104	0.777	1.052	1.386	1.487	1.487	1.238	25.3	1.238	25.3
Bromoform	173	0.346	0.366	0.431	0.470	0.446	0.412	13.0	0.412	13.0
Isopropylbenzene	105	1.332	1.780	2.249	2.370	2.406	2.027	22.8	2.027	22.8
1,1,2,2-Tetrachloroethane	83	0.356	0.385	0.409	0.432	0.411	0.398	7.2	0.398	7.2
1,3-Dichlorobenzene	146	1.827	1.992	2.129	2.140	2.027	2.023	6.3	2.023	6.3
1,4-Dichlorobenzene	146	2.092	2.224	2.207	2.226	2.100	2.170	3.1	2.170	3.1
1,2-Dichlorobenzene	146	1.746	1.950	2.056	2.064	1.925	1.948	6.6	1.948	6.6

National Functional Guidelines Report #16

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Initial Calibration Data Summary

VOA_Trace 1B Initial_Calibration InstrumentID=G-5973 Column=RTX-VMS HeatedPurge=N/A RRF-20.0

		RRF-0.5 VSTD0.54T G21548 11/05/2012 20:39:00	RRF-1 VSTD0014T G21547 11/05/2012 20:11:00	RRF-5 VSTD0054T G21546 11/05/2012 19:41:00	RRF-10 VSTD0104T G21545 11/05/2012 19:13:00	RRF-20 VSTD0204T G21544 11/05/2012 18:16:00	Lab Reported		NFG Calculated	
Compound	**Peak ID**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**Avg RRF/CF**	**%RSD**	**Avg RRF/CF**	**%RSD**
1,2-Dibromo-3-chloropropane	75	0.123	0.133	0.126	0.134	0.125	0.128	3.7	0.128	3.7
1,2,4-Trichlorobenzene	180	0.702	0.884	0.956	1.044	1.054	0.928	15.5	0.928	15.5
1,2,3-Trichlorobenzene	180	0.542	0.705	0.777	0.891	0.893	0.761	19.2	0.761	19.2

National Functional Guidelines Report #16

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Initial Calibration Data Summary

VOA_Trace 6C Initial_Calibration InstrumentID=B-5973 Column=RTX-VMS HeatedPurge=N/A RRF-20.0

		RRF-0.5 VSTD0.570 B42008 11/08/2012 12:26:00	RRF-1 VSTD00170 B42007 11/08/2012 11:53:00	RRF-5 VSTD00570 B42006 11/08/2012 11:19:00	RRF-10 VSTD01070 B42005 11/08/2012 10:46:00	RRF-20 VSTD02070 B42004 11/08/2012 10:14:00	Lab Reported		NFG Calculated	
Compound	**Peak ID**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**Avg RRF/CF**	**%RSD**	**Avg RRF/CF**	**%RSD**
Vinyl chloride-d3	65	0.940	0.923	0.911	0.934	0.914	0.925	1.4	0.925	1.4
Chloroethane-d5	69	0.210	0.201	0.179	0.188	0.177	0.191	7.5	0.191	7.5
1,1-Dichloroethene-d2	63	1.590	1.614	1.535	1.578	1.543	1.572	2.1	1.572	2.1
2-Butanone-d5	46	0.212	0.214	0.242	0.243	0.232	0.228	6.5	0.228	6.5
Chloroform-d	84	1.400	1.467	1.383	1.353	1.367	1.394	3.2	1.394	3.2
1,2-Dichloroethane-d4	65	0.686	0.700	0.723	0.683	0.688	0.696	2.4	0.696	2.4
Benzene-d6	84	3.472	3.448	3.464	3.388	3.363	3.427	1.4	3.427	1.4
1,2-Dichloropropane-d6	67	1.161	1.116	1.110	1.091	1.105	1.117	2.4	1.117	2.4
Toluene-d8	98	2.476	2.729	2.825	2.818	2.789	2.727	5.3	2.727	5.3
trans-1,3-Dichloropropene-d4	79	0.914	0.802	0.892	0.904	0.925	0.887	5.6	0.887	5.6
2-Hexanone-d5	63	0.140	0.147	0.161	0.168	0.159	0.155	7.2	0.155	7.2
1,1,2,2-Tetrachloroethane-d2	84	0.794	0.831	0.871	0.828	0.799	0.825	3.8	0.825	3.8
1,2-Dichlorobenzene-d4	152	2.174	2.306	2.176	1.993	1.944	2.119	7.0	2.119	7.0

National Functional Guidelines Report #16

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Initial Calibration Data Summary

VOA_Trace 6C Initial_Calibration InstrumentID=G-5973 Column=RTX-VMS HeatedPurge=N/A RRF-20.0

		RRF-0.5 VSTD0.54T G21548 11/05/2012 20:39:00	RRF-1 VSTD0014T G21547 11/05/2012 20:11:00	RRF-5 VSTD0054T G21546 11/05/2012 19:41:00	RRF-10 VSTD0104T G21545 11/05/2012 19:13:00	RRF-20 VSTD0204T G21544 11/05/2012 18:16:00	Lab Reported		NFG Calculated	
Compound	**Peak ID**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**RRF/CF**	**Avg RRF/CF**	**%RSD**	**Avg RRF/CF**	**%RSD**
Vinyl chloride-d3	65	0.423	0.398	0.383	0.406	0.389	0.399	4.0	0.399	4.0
Chloroethane-d5	69	0.197	0.170	0.155	0.167	0.170	0.172	9.0	0.172	9.0
1,1-Dichloroethene-d2	63	0.998	0.994	0.992	1.093	1.077	1.031	4.9	1.031	4.9
2-Butanone-d5	46	0.198	0.196	0.200	0.228	0.207	0.206	6.4	0.206	6.4
Chloroform-d	84	0.908	0.874	0.872	0.979	0.966	0.920	5.5	0.920	5.5
1,2-Dichloroethane-d4	65	0.549	0.523	0.517	0.580	0.571	0.548	5.1	0.548	5.1
Benzene-d6	84	1.908	1.939	2.026	2.152	2.147	2.034	5.6	2.034	5.6
1,2-Dichloropropane-d6	67	0.588	0.571	0.606	0.645	0.643	0.611	5.4	0.611	5.4
Toluene-d8	98	1.546	1.645	1.872	2.068	2.089	1.844	13.3	1.844	13.3
trans-1,3-Dichloropropene-d4	79	0.596	0.623	0.694	0.767	0.761	0.688	11.3	0.688	11.3
2-Hexanone-d5	63	0.196	0.225	0.268	0.302	0.272	0.253	16.5	0.253	16.5
1,1,2,2-Tetrachloroethane-d2	84	0.452	0.441	0.464	0.513	0.494	0.473	6.3	0.473	6.3
1,2-Dichlorobenzene-d4	152	1.393	1.351	1.421	1.483	1.406	1.411	3.4	1.411	3.4

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00572 B42026 11/09/2012 09:28:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.337	0.435	-22.6	0.337	0.435	-22.6
Chloromethane	50	0.678	0.889	-23.8	0.678	0.889	-23.8
Vinyl chloride	62	0.605	0.782	-22.6	0.605	0.782	-22.6
Bromomethane	94	0.316	0.430	-26.5	0.316	0.430	-26.5
Chloroethane	64	0.104	0.146	-28.3	0.104	0.146	-28.3
Trichlorofluoromethane	101	0.477	0.638	-25.2	0.477	0.638	-25.2
1,1-Dichloroethene	96	0.498	0.631	-21.1	0.498	0.631	-21.1
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.513	0.637	-19.5	0.513	0.637	-19.5
Acetone	43	0.090	0.125	-27.7	0.090	0.125	-27.7
Carbon disulfide	76	1.929	2.425	-20.5	1.929	2.425	-20.5
Methyl acetate	43	0.318	0.499	-36.3	0.318	0.499	-36.3
Methylene chloride	84	1.081	1.140	-5.2	1.081	1.140	-5.2
trans-1,2-Dichloroethene	96	0.546	0.673	-18.9	0.546	0.673	-18.9
Methyl tert-butyl ether	73	0.775	1.094	-29.1	0.775	1.094	-29.1
1,1-Dichloroethane	63	1.041	1.299	-19.9	1.041	1.299	-19.9
cis-1,2-Dichloroethene	96	0.562	0.684	-17.8	0.562	0.684	-17.8
2-Butanone	43	0.149	0.215	-30.5	0.149	0.215	-30.5
Bromochloromethane	128	0.220	0.280	-21.4	0.220	0.280	-21.4
Chloroform	83	0.851	1.086	-21.7	0.851	1.086	-21.7
1,1,1-Trichloroethane	97	0.674	0.814	-17.2	0.674	0.814	-17.2
Cyclohexane	56	1.022	1.193	-14.4	1.022	1.193	-14.4
Carbon tetrachloride	117	0.502	0.615	-18.4	0.502	0.615	-18.4
Benzene	78	2.233	2.777	-19.6	2.233	2.777	-19.6

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00572 B42026 11/09/2012 09:28:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.507	0.664	-23.7	0.507	0.664	-23.7

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00572 B42026 11/09/2012 09:28:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.607	0.676	-10.2	0.607	0.676	-10.2
Methylcyclohexane	83	0.866	1.009	-14.2	0.866	1.009	-14.2
1,2-Dichloropropane	63	0.596	0.740	-19.5	0.596	0.740	-19.5
Bromodichloromethane	83	0.595	0.747	-20.3	0.595	0.747	-20.3
cis-1,3-Dichloropropene	75	0.765	0.924	-17.2	0.765	0.924	-17.2
4-Methyl-2-pentanone	43	0.304	0.422	-27.9	0.304	0.422	-27.9
Toluene	91	2.255	2.647	-14.8	2.255	2.647	-14.8
trans-1,3-Dichloropropene	75	0.559	0.721	-22.5	0.559	0.721	-22.5
1,1,2-Trichloroethane	97	0.389	0.521	-25.3	0.389	0.521	-25.3
Tetrachloroethene	164	0.407	0.503	-19.1	0.407	0.503	-19.1
2-Hexanone	43	0.249	0.371	-33.0	0.249	0.371	-33.0
Dibromochloromethane	129	0.341	0.450	-24.1	0.341	0.450	-24.1
1,2-Dibromoethane	107	0.360	0.464	-22.5	0.360	0.464	-22.5
Chlorobenzene	112	1.375	1.719	-20.0	1.375	1.719	-20.0
Ethylbenzene	91	2.406	2.841	-15.3	2.406	2.841	-15.3
o-Xylene	106	0.913	1.042	-12.4	0.913	1.042	-12.4
m,p-Xylene	106	0.955	1.121	-14.8	0.955	1.121	-14.8
Styrene	104	1.478	1.713	-13.7	1.478	1.713	-13.7
Bromoform	173	0.417	0.633	-34.2	0.417	0.633	-34.2
Isopropylbenzene	105	2.259	2.732	-17.3	2.259	2.732	-17.3
1,1,2,2-Tetrachloroethane	83	0.447	0.614	-27.2	0.447	0.614	-27.2
1,3-Dichlorobenzene	146	2.225	2.871	-22.5	2.225	2.871	-22.5
1,4-Dichlorobenzene	146	2.212	2.969	-25.5	2.212	2.969	-25.5

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00572 B42026 11/09/2012 09:28:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	1.990	2.651	-24.9	1.990	2.651	-24.9
1,2-Dibromo-3-chloropropane	75	0.128	0.174	-26.5	0.128	0.174	-26.5
1,2,4-Trichlorobenzene	180	1.030	1.222	-15.7	1.030	1.222	-15.7
1,2,3-Trichlorobenzene	180	1.000	1.032	-3.1	1.000	1.032	-3.1

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00572 B42026 11/09/2012 09:28:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.703	0.925	-24.0	0.703	0.925	-24.0
Chloroethane-d5	69	0.157	0.191	-17.6	0.157	0.191	-17.6
1,1-Dichloroethene-d2	63	1.249	1.572	-20.5	1.249	1.572	-20.5
2-Butanone-d5	46	0.161	0.228	-29.4	0.161	0.228	-29.4
Chloroform-d	84	1.125	1.394	-19.3	1.125	1.394	-19.3
1,2-Dichloroethane-d4	65	0.533	0.696	-23.3	0.533	0.696	-23.3
Benzene-d6	84	2.830	3.427	-17.4	2.830	3.427	-17.4
1,2-Dichloropropane-d6	67	0.879	1.117	-21.3	0.879	1.117	-21.3
Toluene-d8	98	2.334	2.727	-14.4	2.334	2.727	-14.4
trans-1,3-Dichloropropene-d4	79	0.678	0.887	-23.6	0.678	0.887	-23.6
2-Hexanone-d5	63	0.109	0.155	-29.5	0.109	0.155	-29.5
1,1,2,2-Tetrachloroethane-d2	84	0.598	0.825	-27.5	0.598	0.825	-27.5
1,2-Dichlorobenzene-d4	152	1.628	2.119	-23.2	1.628	2.119	-23.2

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00573 B42043 11/09/2012 20:34:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.312	0.435	-28.3	0.312	0.435	-28.3
Chloromethane	50	0.725	0.889	-18.5	0.725	0.889	-18.5
Vinyl chloride	62	0.561	0.782	-28.3	0.561	0.782	-28.3
Bromomethane	94	0.344	0.430	-19.9	0.344	0.430	-19.9
Chloroethane	64	0.111	0.146	-23.7	0.111	0.146	-23.7
Trichlorofluoromethane	101	0.515	0.638	-19.2	0.515	0.638	-19.2
1,1-Dichloroethene	96	0.477	0.631	-24.5	0.477	0.631	-24.5
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.475	0.637	-25.4	0.475	0.637	-25.4
Acetone	43	0.099	0.125	-20.9	0.099	0.125	-20.9
Carbon disulfide	76	1.824	2.425	-24.8	1.824	2.425	-24.8
Methyl acetate	43	0.361	0.499	-27.5	0.361	0.499	-27.5
Methylene chloride	84	1.094	1.140	-4.0	1.094	1.140	-4.0
trans-1,2-Dichloroethene	96	0.525	0.673	-22.0	0.525	0.673	-22.0
Methyl tert-butyl ether	73	0.830	1.094	-24.2	0.830	1.094	-24.2
1,1-Dichloroethane	63	1.067	1.299	-17.9	1.067	1.299	-17.9
cis-1,2-Dichloroethene	96	0.543	0.684	-20.5	0.543	0.684	-20.5
2-Butanone	43	0.166	0.215	-23.0	0.166	0.215	-23.0
Bromochloromethane	128	0.245	0.280	-12.3	0.245	0.280	-12.3
Chloroform	83	0.904	1.086	-16.7	0.904	1.086	-16.7
1,1,1-Trichloroethane	97	0.626	0.814	-23.1	0.626	0.814	-23.1
Cyclohexane	56	0.899	1.193	-24.6	0.899	1.193	-24.6
Carbon tetrachloride	117	0.455	0.615	-26.1	0.455	0.615	-26.1
Benzene	78	2.380	2.777	-14.3	2.380	2.777	-14.3

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00573 B42043 11/09/2012 20:34:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.579	0.664	-12.9	0.579	0.664	-12.9

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00573 B42043 11/09/2012 20:34:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.583	0.676	-13.7	0.583	0.676	-13.7
Methylcyclohexane	83	0.772	1.009	-23.6	0.772	1.009	-23.6
1,2-Dichloropropane	63	0.635	0.740	-14.2	0.635	0.740	-14.2
Bromodichloromethane	83	0.629	0.747	-15.8	0.629	0.747	-15.8
cis-1,3-Dichloropropene	75	0.817	0.924	-11.5	0.817	0.924	-11.5
4-Methyl-2-pentanone	43	0.346	0.422	-17.9	0.346	0.422	-17.9
Toluene	91	2.241	2.647	-15.3	2.241	2.647	-15.3
trans-1,3-Dichloropropene	75	0.617	0.721	-14.5	0.617	0.721	-14.5
1,1,2-Trichloroethane	97	0.430	0.521	-17.4	0.430	0.521	-17.4
Tetrachloroethene	164	0.385	0.503	-23.6	0.385	0.503	-23.6
2-Hexanone	43	0.273	0.371	-26.5	0.273	0.371	-26.5
Dibromochloromethane	129	0.365	0.450	-18.9	0.365	0.450	-18.9
1,2-Dibromoethane	107	0.379	0.464	-18.3	0.379	0.464	-18.3
Chlorobenzene	112	1.437	1.719	-16.4	1.437	1.719	-16.4
Ethylbenzene	91	2.364	2.841	-16.8	2.364	2.841	-16.8
o-Xylene	106	0.872	1.042	-16.4	0.872	1.042	-16.4
m,p-Xylene	106	0.904	1.121	-19.4	0.904	1.121	-19.4
Styrene	104	1.472	1.713	-14.1	1.472	1.713	-14.1
Bromoform	173	0.490	0.633	-22.6	0.490	0.633	-22.6
Isopropylbenzene	105	2.100	2.732	-23.1	2.100	2.732	-23.1
1,1,2,2-Tetrachloroethane	83	0.499	0.614	-18.8	0.499	0.614	-18.8
1,3-Dichlorobenzene	146	2.200	2.871	-23.4	2.200	2.871	-23.4
1,4-Dichlorobenzene	146	2.261	2.969	-23.9	2.261	2.969	-23.9

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00573 B42043 11/09/2012 20:34:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	2.146	2.651	-19.1	2.146	2.651	-19.1
1,2-Dibromo-3-chloropropane	75	0.123	0.174	-29.4	0.123	0.174	-29.4
1,2,4-Trichlorobenzene	180	0.785	1.222	-35.8	0.785	1.222	-35.8
1,2,3-Trichlorobenzene	180	0.755	1.032	-26.8	0.755	1.032	-26.8

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00573 B42043 11/09/2012 20:34:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.667	0.925	-27.8	0.667	0.925	-27.8
Chloroethane-d5	69	0.172	0.191	-9.7	0.172	0.191	-9.7
1,1-Dichloroethene-d2	63	1.220	1.572	-22.4	1.220	1.572	-22.4
2-Butanone-d5	46	0.186	0.228	-18.3	0.186	0.228	-18.3
Chloroform-d	84	1.206	1.394	-13.5	1.206	1.394	-13.5
1,2-Dichloroethane-d4	65	0.616	0.696	-11.5	0.616	0.696	-11.5
Benzene-d6	84	2.963	3.427	-13.5	2.963	3.427	-13.5
1,2-Dichloropropane-d6	67	0.983	1.117	-11.9	0.983	1.117	-11.9
Toluene-d8	98	2.341	2.727	-14.2	2.341	2.727	-14.2
trans-1,3-Dichloropropene-d4	79	0.753	0.887	-15.1	0.753	0.887	-15.1
2-Hexanone-d5	63	0.127	0.155	-18.4	0.127	0.155	-18.4
1,1,2,2-Tetrachloroethane-d2	84	0.735	0.825	-10.8	0.735	0.825	-10.8
1,2-Dichlorobenzene-d4	152	1.726	2.119	-18.5	1.726	2.119	-18.5

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00574 B42045 11/10/2012 09:46:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.357	0.435	-18.1	0.357	0.435	-18.1
Chloromethane	50	0.741	0.889	-16.7	0.741	0.889	-16.7
Vinyl chloride	62	0.636	0.782	-18.7	0.636	0.782	-18.7
Bromomethane	94	0.369	0.430	-14.1	0.369	0.430	-14.1
Chloroethane	64	0.140	0.146	-3.9	0.140	0.146	-3.9
Trichlorofluoromethane	101	0.680	0.638	6.5	0.680	0.638	6.5
1,1-Dichloroethene	96	0.511	0.631	-19.1	0.511	0.631	-19.1
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.553	0.637	-13.2	0.553	0.637	-13.2
Acetone	43	0.083	0.125	-33.8	0.083	0.125	-33.8
Carbon disulfide	76	2.120	2.425	-12.6	2.120	2.425	-12.6
Methyl acetate	43	0.324	0.499	-35.0	0.324	0.499	-35.0
Methylene chloride	84	0.857	1.140	-24.8	0.857	1.140	-24.8
trans-1,2-Dichloroethene	96	0.586	0.673	-12.9	0.586	0.673	-12.9
Methyl tert-butyl ether	73	0.742	1.094	-32.1	0.742	1.094	-32.1
1,1-Dichloroethane	63	1.095	1.299	-15.7	1.095	1.299	-15.7
cis-1,2-Dichloroethene	96	0.543	0.684	-20.5	0.543	0.684	-20.5
2-Butanone	43	0.138	0.215	-35.8	0.138	0.215	-35.8
Bromochloromethane	128	0.234	0.280	-16.4	0.234	0.280	-16.4
Chloroform	83	0.914	1.086	-15.9	0.914	1.086	-15.9
1,1,1-Trichloroethane	97	0.702	0.814	-13.8	0.702	0.814	-13.8
Cyclohexane	56	1.043	1.193	-12.6	1.043	1.193	-12.6
Carbon tetrachloride	117	0.546	0.615	-11.3	0.546	0.615	-11.3
Benzene	78	2.457	2.777	-11.5	2.457	2.777	-11.5

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00574 B42045 11/10/2012 09:46:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.550	0.664	-17.2	0.550	0.664	-17.2

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00574 B42045 11/10/2012 09:46:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.677	0.676	0.1	0.677	0.676	0.1
Methylcyclohexane	83	0.904	1.009	-10.4	0.904	1.009	-10.4
1,2-Dichloropropane	63	0.612	0.740	-17.3	0.612	0.740	-17.3
Bromodichloromethane	83	0.659	0.747	-11.7	0.659	0.747	-11.7
cis-1,3-Dichloropropene	75	0.807	0.924	-12.7	0.807	0.924	-12.7
4-Methyl-2-pentanone	43	0.296	0.422	-29.9	0.296	0.422	-29.9
Toluene	91	2.444	2.647	-7.7	2.444	2.647	-7.7
trans-1,3-Dichloropropene	75	0.594	0.721	-17.7	0.594	0.721	-17.7
1,1,2-Trichloroethane	97	0.418	0.521	-19.7	0.418	0.521	-19.7
Tetrachloroethene	164	0.433	0.503	-13.9	0.433	0.503	-13.9
2-Hexanone	43	0.230	0.371	-37.9	0.230	0.371	-37.9
Dibromochloromethane	129	0.369	0.450	-17.9	0.369	0.450	-17.9
1,2-Dibromoethane	107	0.360	0.464	-22.4	0.360	0.464	-22.4
Chlorobenzene	112	1.691	1.719	-1.6	1.691	1.719	-1.6
Ethylbenzene	91	2.590	2.841	-8.9	2.590	2.841	-8.9
o-Xylene	106	0.934	1.042	-10.4	0.934	1.042	-10.4
m,p-Xylene	106	1.010	1.121	-9.9	1.010	1.121	-9.9
Styrene	104	1.572	1.713	-8.2	1.572	1.713	-8.2
Bromoform	173	0.507	0.633	-19.9	0.507	0.633	-19.9
Isopropylbenzene	105	2.358	2.732	-13.7	2.358	2.732	-13.7
1,1,2,2-Tetrachloroethane	83	0.459	0.614	-25.3	0.459	0.614	-25.3
1,3-Dichlorobenzene	146	2.302	2.871	-19.8	2.302	2.871	-19.8
1,4-Dichlorobenzene	146	2.516	2.969	-15.3	2.516	2.969	-15.3

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00574 B42045 11/10/2012 09:46:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	2.519	2.651	-5.0	2.519	2.651	-5.0
1,2-Dibromo-3-chloropropane	75	0.124	0.174	-28.6	0.124	0.174	-28.6
1,2,4-Trichlorobenzene	180	0.860	1.222	-29.6	0.860	1.222	-29.6
1,2,3-Trichlorobenzene	180	0.843	1.032	-18.3	0.843	1.032	-18.3

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00574 B42045 11/10/2012 09:46:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.725	0.925	-21.6	0.725	0.925	-21.6
Chloroethane-d5	69	0.176	0.191	-7.9	0.176	0.191	-7.9
1,1-Dichloroethene-d2	63	1.354	1.572	-13.9	1.354	1.572	-13.9
2-Butanone-d5	46	0.153	0.228	-32.9	0.153	0.228	-32.9
Chloroform-d	84	1.184	1.394	-15.1	1.184	1.394	-15.1
1,2-Dichloroethane-d4	65	0.555	0.696	-20.2	0.555	0.696	-20.2
Benzene-d6	84	3.036	3.427	-11.4	3.036	3.427	-11.4
1,2-Dichloropropane-d6	67	0.952	1.117	-14.8	0.952	1.117	-14.8
Toluene-d8	98	2.454	2.727	-10.0	2.454	2.727	-10.0
trans-1,3-Dichloropropene-d4	79	0.708	0.887	-20.2	0.708	0.887	-20.2
2-Hexanone-d5	63	0.104	0.155	-33.1	0.104	0.155	-33.1
1,1,2,2-Tetrachloroethane-d2	84	0.669	0.825	-18.9	0.669	0.825	-18.9
1,2-Dichlorobenzene-d4	152	1.619	2.119	-23.6	1.619	2.119	-23.6

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00575 B42063 11/10/2012 19:50:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.350	0.435	-19.6	0.350	0.435	-19.6
Chloromethane	50	0.795	0.889	-10.6	0.795	0.889	-10.6
Vinyl chloride	62	0.617	0.782	-21.2	0.617	0.782	-21.2
Bromomethane	94	0.353	0.430	-17.9	0.353	0.430	-17.9
Chloroethane	64	0.123	0.146	-15.7	0.123	0.146	-15.7
Trichlorofluoromethane	101	0.552	0.638	-13.5	0.552	0.638	-13.5
1,1-Dichloroethene	96	0.544	0.631	-13.8	0.544	0.631	-13.8
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.523	0.637	-17.8	0.523	0.637	-17.8
Acetone	43	0.132	0.125	5.5	0.132	0.125	5.5
Carbon disulfide	76	2.039	2.425	-15.9	2.039	2.425	-15.9
Methyl acetate	43	0.429	0.499	-14.1	0.429	0.499	-14.1
Methylene chloride	84	0.945	1.140	-17.1	0.945	1.140	-17.1
trans-1,2-Dichloroethene	96	0.576	0.673	-14.5	0.576	0.673	-14.5
Methyl tert-butyl ether	73	0.825	1.094	-24.5	0.825	1.094	-24.5
1,1-Dichloroethane	63	1.096	1.299	-15.7	1.096	1.299	-15.7
cis-1,2-Dichloroethene	96	0.536	0.684	-21.6	0.536	0.684	-21.6
2-Butanone	43	0.225	0.215	4.5	0.225	0.215	4.5
Bromochloromethane	128	0.239	0.280	-14.5	0.239	0.280	-14.5
Chloroform	83	0.904	1.086	-16.8	0.904	1.086	-16.8
1,1,1-Trichloroethane	97	0.678	0.814	-16.7	0.678	0.814	-16.7
Cyclohexane	56	0.997	1.193	-16.4	0.997	1.193	-16.4
Carbon tetrachloride	117	0.503	0.615	-18.2	0.503	0.615	-18.2
Benzene	78	2.451	2.777	-11.7	2.451	2.777	-11.7

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00575 B42063 11/10/2012 19:50:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.591	0.664	-11.1	0.591	0.664	-11.1

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00575 B42063 11/10/2012 19:50:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.603	0.676	-10.8	0.603	0.676	-10.8
Methylcyclohexane	83	0.811	1.009	-19.7	0.811	1.009	-19.7
1,2-Dichloropropane	63	0.632	0.740	-14.6	0.632	0.740	-14.6
Bromodichloromethane	83	0.606	0.747	-18.9	0.606	0.747	-18.9
cis-1,3-Dichloropropene	75	0.784	0.924	-15.1	0.784	0.924	-15.1
4-Methyl-2-pentanone	43	0.455	0.422	7.9	0.455	0.422	7.9
Toluene	91	2.310	2.647	-12.7	2.310	2.647	-12.7
trans-1,3-Dichloropropene	75	0.581	0.721	-19.4	0.581	0.721	-19.4
1,1,2-Trichloroethane	97	0.446	0.521	-14.3	0.446	0.521	-14.3
Tetrachloroethene	164	0.423	0.503	-16.0	0.423	0.503	-16.0
2-Hexanone	43	0.360	0.371	-3.1	0.360	0.371	-3.1
Dibromochloromethane	129	0.352	0.450	-21.8	0.352	0.450	-21.8
1,2-Dibromoethane	107	0.381	0.464	-17.9	0.381	0.464	-17.9
Chlorobenzene	112	1.445	1.719	-15.9	1.445	1.719	-15.9
Ethylbenzene	91	2.484	2.841	-12.6	2.484	2.841	-12.6
o-Xylene	106	0.864	1.042	-17.1	0.864	1.042	-17.1
m,p-Xylene	106	0.954	1.121	-14.9	0.954	1.121	-14.9
Styrene	104	1.503	1.713	-12.2	1.503	1.713	-12.2
Bromoform	173	0.470	0.633	-25.8	0.470	0.633	-25.8
Isopropylbenzene	105	2.217	2.732	-18.8	2.217	2.732	-18.8
1,1,2,2-Tetrachloroethane	83	0.497	0.614	-19.1	0.497	0.614	-19.1
1,3-Dichlorobenzene	146	2.229	2.871	-22.4	2.229	2.871	-22.4
1,4-Dichlorobenzene	146	2.372	2.969	-20.1	2.372	2.969	-20.1

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00575 B42063 11/10/2012 19:50:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	2.249	2.651	-15.2	2.249	2.651	-15.2
1,2-Dibromo-3-chloropropane	75	0.150	0.174	-13.4	0.150	0.174	-13.4
1,2,4-Trichlorobenzene	180	0.730	1.222	-40.2	0.730	1.222	-40.2
1,2,3-Trichlorobenzene	180	0.872	1.032	-15.5	0.872	1.032	-15.5

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=B-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD00575 B42063 11/10/2012 19:50:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.798	0.925	-13.6	0.798	0.925	-13.6
Chloroethane-d5	69	0.185	0.191	-3.4	0.185	0.191	-3.4
1,1-Dichloroethene-d2	63	1.483	1.572	-5.7	1.483	1.572	-5.7
2-Butanone-d5	46	0.222	0.228	-3.0	0.222	0.228	-3.0
Chloroform-d	84	1.363	1.394	-2.2	1.363	1.394	-2.2
1,2-Dichloroethane-d4	65	0.674	0.696	-3.1	0.674	0.696	-3.1
Benzene-d6	84	3.368	3.427	-1.7	3.368	3.427	-1.7
1,2-Dichloropropane-d6	67	1.077	1.117	-3.5	1.077	1.117	-3.5
Toluene-d8	98	2.667	2.727	-2.2	2.667	2.727	-2.2
trans-1,3-Dichloropropene-d4	79	0.810	0.887	-8.7	0.810	0.887	-8.7
2-Hexanone-d5	63	0.148	0.155	-4.6	0.148	0.155	-4.6
1,1,2,2-Tetrachloroethane-d2	84	0.795	0.825	-3.5	0.795	0.825	-3.5
1,2-Dichlorobenzene-d4	152	1.978	2.119	-6.6	1.978	2.119	-6.6

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0054Y G21578 11/08/2012 09:18:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.587	0.562	4.4	0.587	0.562	4.4
Chloromethane	50	0.564	0.588	-4.1	0.564	0.588	-4.1
Vinyl chloride	62	0.456	0.455	0.2	0.456	0.455	0.2
Bromomethane	94	0.263	0.314	-16.1	0.263	0.314	-16.1
Chloroethane	64	0.143	0.137	4.8	0.143	0.137	4.8
Trichlorofluoromethane	101	0.662	0.655	1.0	0.662	0.655	1.0
1,1-Dichloroethene	96	0.421	0.402	4.7	0.421	0.402	4.7
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.461	0.430	7.3	0.461	0.430	7.3
Acetone	43	0.082	0.093	-12.1	0.082	0.093	-12.1
Carbon disulfide	76	1.240	1.225	1.3	1.240	1.225	1.3
Methyl acetate	43	0.271	0.331	-18.1	0.271	0.331	-18.1
Methylene chloride	84	0.748	0.707	5.8	0.748	0.707	5.8
trans-1,2-Dichloroethene	96	0.430	0.438	-1.8	0.430	0.438	-1.8
Methyl tert-butyl ether	73	0.860	0.915	-6.0	0.860	0.915	-6.0
1,1-Dichloroethane	63	0.841	0.833	1.0	0.841	0.833	1.0
cis-1,2-Dichloroethene	96	0.419	0.435	-3.7	0.419	0.435	-3.7
2-Butanone	43	0.122	0.149	-17.8	0.122	0.149	-17.8
Bromochloromethane	128	0.195	0.196	-0.5	0.195	0.196	-0.5
Chloroform	83	0.831	0.793	4.8	0.831	0.793	4.8
1,1,1-Trichloroethane	97	0.768	0.743	3.4	0.768	0.743	3.4
Cyclohexane	56	0.824	0.823	0.1	0.824	0.823	0.1
Carbon tetrachloride	117	0.646	0.635	1.7	0.646	0.635	1.7
Benzene	78	1.900	1.828	4.0	1.900	1.828	4.0

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0054Y G21578 11/08/2012 09:18:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.589	0.578	2.0	0.589	0.578	2.0

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0054Y G21578 11/08/2012 09:18:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.503	0.482	4.5	0.503	0.482	4.5
Methylcyclohexane	83	0.711	0.714	-0.4	0.711	0.714	-0.4
1,2-Dichloropropane	63	0.497	0.486	2.2	0.497	0.486	2.2
Bromodichloromethane	83	0.549	0.544	0.9	0.549	0.544	0.9
cis-1,3-Dichloropropene	75	0.721	0.706	2.1	0.721	0.706	2.1
4-Methyl-2-pentanone	43	0.284	0.318	-10.6	0.284	0.318	-10.6
Toluene	91	2.064	1.940	6.4	2.064	1.940	6.4
trans-1,3-Dichloropropene	75	0.658	0.639	2.8	0.658	0.639	2.8
1,1,2-Trichloroethane	97	0.346	0.351	-1.4	0.346	0.351	-1.4
Tetrachloroethene	164	0.371	0.376	-1.2	0.371	0.376	-1.2
2-Hexanone	43	0.212	0.258	-18.1	0.212	0.258	-18.1
Dibromochloromethane	129	0.348	0.364	-4.3	0.348	0.364	-4.3
1,2-Dibromoethane	107	0.306	0.323	-5.1	0.306	0.323	-5.1
Chlorobenzene	112	1.336	1.322	1.0	1.336	1.322	1.0
Ethylbenzene	91	2.331	2.227	4.7	2.331	2.227	4.7
o-Xylene	106	0.789	0.760	3.9	0.789	0.760	3.9
m,p-Xylene	106	0.862	0.817	5.5	0.862	0.817	5.5
Styrene	104	1.375	1.238	11.1	1.375	1.238	11.1
Bromoform	173	0.390	0.412	-5.3	0.390	0.412	-5.3
Isopropylbenzene	105	2.167	2.027	6.9	2.167	2.027	6.9
1,1,2,2-Tetrachloroethane	83	0.381	0.398	-4.3	0.381	0.398	-4.3
1,3-Dichlorobenzene	146	1.930	2.023	-4.6	1.930	2.023	-4.6
1,4-Dichlorobenzene	146	2.127	2.170	-2.0	2.127	2.170	-2.0

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0054Y G21578 11/08/2012 09:18:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	1.950	1.948	0.1	1.950	1.948	0.1
1,2-Dibromo-3-chloropropane	75	0.105	0.128	-18.1	0.105	0.128	-18.1
1,2,4-Trichlorobenzene	180	0.881	0.928	-5.1	0.881	0.928	-5.1
1,2,3-Trichlorobenzene	180	0.746	0.761	-2.1	0.746	0.761	-2.1

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0054Y G21578 11/08/2012 09:18:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.373	0.399	-6.5	0.373	0.399	-6.5
Chloroethane-d5	69	0.179	0.172	4.3	0.179	0.172	4.3
1,1-Dichloroethene-d2	63	1.054	1.031	2.3	1.054	1.031	2.3
2-Butanone-d5	46	0.174	0.206	-15.7	0.174	0.206	-15.7
Chloroform-d	84	0.912	0.920	-0.8	0.912	0.920	-0.8
1,2-Dichloroethane-d4	65	0.531	0.548	-3.1	0.531	0.548	-3.1
Benzene-d6	84	1.989	2.034	-2.2	1.989	2.034	-2.2
1,2-Dichloropropane-d6	67	0.584	0.611	-4.3	0.584	0.611	-4.3
Toluene-d8	98	1.791	1.844	-2.9	1.791	1.844	-2.9
trans-1,3-Dichloropropene-d4	79	0.665	0.688	-3.3	0.665	0.688	-3.3
2-Hexanone-d5	63	0.235	0.253	-7.1	0.235	0.253	-7.1
1,1,2,2-Tetrachloroethane-d2	84	0.442	0.473	-6.5	0.442	0.473	-6.5
1,2-Dichlorobenzene-d4	152	1.337	1.411	-5.2	1.337	1.411	-5.2

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0054Z G21599 11/08/2012 20:20:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.443	0.562	-21.3	0.443	0.562	-21.3
Chloromethane	50	0.449	0.588	-23.7	0.449	0.588	-23.7
Vinyl chloride	62	0.364	0.455	-20.1	0.364	0.455	-20.1
Bromomethane	94	0.214	0.314	-31.7	0.214	0.314	-31.7
Chloroethane	64	0.117	0.137	-14.8	0.117	0.137	-14.8
Trichlorofluoromethane	101	0.439	0.655	-32.9	0.439	0.655	-32.9
1,1-Dichloroethene	96	0.335	0.402	-16.7	0.335	0.402	-16.7
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.360	0.430	-16.2	0.360	0.430	-16.2
Acetone	43	0.072	0.093	-22.6	0.072	0.093	-22.6
Carbon disulfide	76	0.900	1.225	-26.5	0.900	1.225	-26.5
Methyl acetate	43	0.295	0.331	-11.1	0.295	0.331	-11.1
Methylene chloride	84	0.565	0.707	-20.1	0.565	0.707	-20.1
trans-1,2-Dichloroethene	96	0.369	0.438	-15.7	0.369	0.438	-15.7
Methyl tert-butyl ether	73	0.877	0.915	-4.2	0.877	0.915	-4.2
1,1-Dichloroethane	63	0.749	0.833	-10.1	0.749	0.833	-10.1
cis-1,2-Dichloroethene	96	0.372	0.435	-14.4	0.372	0.435	-14.4
2-Butanone	43	0.126	0.149	-15.3	0.126	0.149	-15.3
Bromochloromethane	128	0.196	0.196	0.0	0.196	0.196	0.0
Chloroform	83	0.763	0.793	-3.8	0.763	0.793	-3.8
1,1,1-Trichloroethane	97	0.595	0.743	-19.9	0.595	0.743	-19.9
Cyclohexane	56	0.623	0.823	-24.4	0.623	0.823	-24.4
Carbon tetrachloride	117	0.476	0.635	-25.0	0.476	0.635	-25.0
Benzene	78	1.625	1.828	-11.1	1.625	1.828	-11.1

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0054Z G21599 11/08/2012 20:20:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.564	0.578	-2.4	0.564	0.578	-2.4

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0054Z G21599 11/08/2012 20:20:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.421	0.482	-12.6	0.421	0.482	-12.6
Methylcyclohexane	83	0.523	0.714	-26.8	0.523	0.714	-26.8
1,2-Dichloropropane	63	0.436	0.486	-10.2	0.436	0.486	-10.2
Bromodichloromethane	83	0.485	0.544	-10.9	0.485	0.544	-10.9
cis-1,3-Dichloropropene	75	0.658	0.706	-6.8	0.658	0.706	-6.8
4-Methyl-2-pentanone	43	0.298	0.318	-6.0	0.298	0.318	-6.0
Toluene	91	1.732	1.940	-10.7	1.732	1.940	-10.7
trans-1,3-Dichloropropene	75	0.605	0.639	-5.4	0.605	0.639	-5.4
1,1,2-Trichloroethane	97	0.336	0.351	-4.3	0.336	0.351	-4.3
Tetrachloroethene	164	0.295	0.376	-21.6	0.295	0.376	-21.6
2-Hexanone	43	0.241	0.258	-7.0	0.241	0.258	-7.0
Dibromochloromethane	129	0.317	0.364	-12.9	0.317	0.364	-12.9
1,2-Dibromoethane	107	0.288	0.323	-10.7	0.288	0.323	-10.7
Chlorobenzene	112	1.164	1.322	-12.0	1.164	1.322	-12.0
Ethylbenzene	91	1.921	2.227	-13.7	1.921	2.227	-13.7
o-Xylene	106	0.661	0.760	-13.0	0.661	0.760	-13.0
m,p-Xylene	106	0.703	0.817	-13.9	0.703	0.817	-13.9
Styrene	104	1.176	1.238	-5.0	1.176	1.238	-5.0
Bromoform	173	0.352	0.412	-14.4	0.352	0.412	-14.4
Isopropylbenzene	105	1.710	2.027	-15.6	1.710	2.027	-15.6
1,1,2,2-Tetrachloroethane	83	0.377	0.398	-5.4	0.377	0.398	-5.4
1,3-Dichlorobenzene	146	1.639	2.023	-19.0	1.639	2.023	-19.0
1,4-Dichlorobenzene	146	1.818	2.170	-16.2	1.818	2.170	-16.2

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0054Z G21599 11/08/2012 20:20:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	1.730	1.948	-11.2	1.730	1.948	-11.2
1,2-Dibromo-3-chloropropane	75	0.105	0.128	-18.2	0.105	0.128	-18.2
1,2,4-Trichlorobenzene	180	0.590	0.928	-36.4	0.590	0.928	-36.4
1,2,3-Trichlorobenzene	180	0.575	0.761	-24.5	0.575	0.761	-24.5

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0054Z G21599 11/08/2012 20:20:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.310	0.399	-22.4	0.310	0.399	-22.4
Chloroethane-d5	69	0.155	0.172	-9.7	0.155	0.172	-9.7
1,1-Dichloroethene-d2	63	0.834	1.031	-19.1	0.834	1.031	-19.1
2-Butanone-d5	46	0.185	0.206	-10.3	0.185	0.206	-10.3
Chloroform-d	84	0.828	0.920	-10.0	0.828	0.920	-10.0
1,2-Dichloroethane-d4	65	0.532	0.548	-3.0	0.532	0.548	-3.0
Benzene-d6	84	1.735	2.034	-14.7	1.735	2.034	-14.7
1,2-Dichloropropane-d6	67	0.534	0.611	-12.6	0.534	0.611	-12.6
Toluene-d8	98	1.535	1.844	-16.8	1.535	1.844	-16.8
trans-1,3-Dichloropropene-d4	79	0.635	0.688	-7.7	0.635	0.688	-7.7
2-Hexanone-d5	63	0.245	0.253	-2.9	0.245	0.253	-2.9
1,1,2,2-Tetrachloroethane-d2	84	0.431	0.473	-8.9	0.431	0.473	-8.9
1,2-Dichlorobenzene-d4	152	1.218	1.411	-13.7	1.218	1.411	-13.7

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055A G21601 11/09/2012 09:30:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.592	0.562	5.2	0.592	0.562	5.2
Chloromethane	50	0.563	0.588	-4.3	0.563	0.588	-4.3
Vinyl chloride	62	0.483	0.455	6.1	0.483	0.455	6.1
Bromomethane	94	0.284	0.314	-9.5	0.284	0.314	-9.5
Chloroethane	64	0.142	0.137	4.0	0.142	0.137	4.0
Trichlorofluoromethane	101	0.681	0.655	4.0	0.681	0.655	4.0
1,1-Dichloroethene	96	0.435	0.402	8.2	0.435	0.402	8.2
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.470	0.430	9.3	0.470	0.430	9.3
Acetone	43	0.083	0.093	-11.2	0.083	0.093	-11.2
Carbon disulfide	76	1.267	1.225	3.4	1.267	1.225	3.4
Methyl acetate	43	0.288	0.331	-13.2	0.288	0.331	-13.2
Methylene chloride	84	0.801	0.707	13.3	0.801	0.707	13.3
trans-1,2-Dichloroethene	96	0.457	0.438	4.4	0.457	0.438	4.4
Methyl tert-butyl ether	73	0.877	0.915	-4.2	0.877	0.915	-4.2
1,1-Dichloroethane	63	0.863	0.833	3.6	0.863	0.833	3.6
cis-1,2-Dichloroethene	96	0.431	0.435	-0.9	0.431	0.435	-0.9
2-Butanone	43	0.127	0.149	-14.8	0.127	0.149	-14.8
Bromochloromethane	128	0.201	0.196	2.6	0.201	0.196	2.6
Chloroform	83	0.841	0.793	6.0	0.841	0.793	6.0
1,1,1-Trichloroethane	97	0.777	0.743	4.6	0.777	0.743	4.6
Cyclohexane	56	0.868	0.823	5.4	0.868	0.823	5.4
Carbon tetrachloride	117	0.658	0.635	3.7	0.658	0.635	3.7
Benzene	78	1.933	1.828	5.8	1.933	1.828	5.8

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055A G21601 11/09/2012 09:30:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.591	0.578	2.3	0.591	0.578	2.3

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055A G21601 11/09/2012 09:30:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.519	0.482	7.7	0.519	0.482	7.7
Methylcyclohexane	83	0.746	0.714	4.5	0.746	0.714	4.5
1,2-Dichloropropane	63	0.497	0.486	2.2	0.497	0.486	2.2
Bromodichloromethane	83	0.556	0.544	2.1	0.556	0.544	2.1
cis-1,3-Dichloropropene	75	0.737	0.706	4.4	0.737	0.706	4.4
4-Methyl-2-pentanone	43	0.300	0.318	-5.5	0.300	0.318	-5.5
Toluene	91	2.100	1.940	8.3	2.100	1.940	8.3
trans-1,3-Dichloropropene	75	0.658	0.639	2.8	0.658	0.639	2.8
1,1,2-Trichloroethane	97	0.347	0.351	-1.1	0.347	0.351	-1.1
Tetrachloroethene	164	0.384	0.376	2.1	0.384	0.376	2.1
2-Hexanone	43	0.218	0.258	-15.5	0.218	0.258	-15.5
Dibromochloromethane	129	0.354	0.364	-2.6	0.354	0.364	-2.6
1,2-Dibromoethane	107	0.307	0.323	-4.8	0.307	0.323	-4.8
Chlorobenzene	112	1.361	1.322	2.9	1.361	1.322	2.9
Ethylbenzene	91	2.339	2.227	5.0	2.339	2.227	5.0
o-Xylene	106	0.813	0.760	7.0	0.813	0.760	7.0
m,p-Xylene	106	0.866	0.817	6.0	0.866	0.817	6.0
Styrene	104	1.370	1.238	10.7	1.370	1.238	10.7
Bromoform	173	0.393	0.412	-4.5	0.393	0.412	-4.5
Isopropylbenzene	105	2.167	2.027	6.9	2.167	2.027	6.9
1,1,2,2-Tetrachloroethane	83	0.380	0.398	-4.7	0.380	0.398	-4.7
1,3-Dichlorobenzene	146	1.938	2.023	-4.2	1.938	2.023	-4.2
1,4-Dichlorobenzene	146	2.129	2.170	-1.9	2.129	2.170	-1.9

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055A G21601 11/09/2012 09:30:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	1.939	1.948	-0.5	1.939	1.948	-0.5
1,2-Dibromo-3-chloropropane	75	0.108	0.128	-15.8	0.108	0.128	-15.8
1,2,4-Trichlorobenzene	180	0.831	0.928	-10.4	0.831	0.928	-10.4
1,2,3-Trichlorobenzene	180	0.721	0.761	-5.3	0.721	0.761	-5.3

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055A G21601 11/09/2012 09:30:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.399	0.399	-0.1	0.399	0.399	-0.1
Chloroethane-d5	69	0.190	0.172	10.7	0.190	0.172	10.7
1,1-Dichloroethene-d2	63	1.069	1.031	3.7	1.069	1.031	3.7
2-Butanone-d5	46	0.181	0.206	-12.2	0.181	0.206	-12.2
Chloroform-d	84	0.930	0.920	1.1	0.930	0.920	1.1
1,2-Dichloroethane-d4	65	0.536	0.548	-2.2	0.536	0.548	-2.2
Benzene-d6	84	2.047	2.034	0.6	2.047	2.034	0.6
1,2-Dichloropropane-d6	67	0.597	0.611	-2.3	0.597	0.611	-2.3
Toluene-d8	98	1.850	1.844	0.3	1.850	1.844	0.3
trans-1,3-Dichloropropene-d4	79	0.694	0.688	0.9	0.694	0.688	0.9
2-Hexanone-d5	63	0.243	0.253	-4.0	0.243	0.253	-4.0
1,1,2,2-Tetrachloroethane-d2	84	0.443	0.473	-6.2	0.443	0.473	-6.2
1,2-Dichlorobenzene-d4	152	1.333	1.411	-5.5	1.333	1.411	-5.5

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055B G21614 11/09/2012 20:25:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.627	0.562	11.5	0.627	0.562	11.5
Chloromethane	50	0.584	0.588	-0.7	0.584	0.588	-0.7
Vinyl chloride	62	0.508	0.455	11.5	0.508	0.455	11.5
Bromomethane	94	0.273	0.314	-13.1	0.273	0.314	-13.1
Chloroethane	64	0.147	0.137	7.1	0.147	0.137	7.1
Trichlorofluoromethane	101	0.695	0.655	6.1	0.695	0.655	6.1
1,1-Dichloroethene	96	0.462	0.402	14.7	0.462	0.402	14.7
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.503	0.430	17.0	0.503	0.430	17.0
Acetone	43	0.080	0.093	-14.4	0.080	0.093	-14.4
Carbon disulfide	76	1.251	1.225	2.1	1.251	1.225	2.1
Methyl acetate	43	0.314	0.331	-5.4	0.314	0.331	-5.4
Methylene chloride	84	0.700	0.707	-1.0	0.700	0.707	-1.0
trans-1,2-Dichloroethene	96	0.463	0.438	5.7	0.463	0.438	5.7
Methyl tert-butyl ether	73	0.942	0.915	2.9	0.942	0.915	2.9
1,1-Dichloroethane	63	0.916	0.833	10.0	0.916	0.833	10.0
cis-1,2-Dichloroethene	96	0.449	0.435	3.2	0.449	0.435	3.2
2-Butanone	43	0.138	0.149	-7.4	0.138	0.149	-7.4
Bromochloromethane	128	0.216	0.196	10.0	0.216	0.196	10.0
Chloroform	83	0.888	0.793	12.0	0.888	0.793	12.0
1,1,1-Trichloroethane	97	0.801	0.743	7.8	0.801	0.743	7.8
Cyclohexane	56	0.880	0.823	6.9	0.880	0.823	6.9
Carbon tetrachloride	117	0.662	0.635	4.3	0.662	0.635	4.3
Benzene	78	2.036	1.828	11.4	2.036	1.828	11.4

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055B G21614 11/09/2012 20:25:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.651	0.578	12.7	0.651	0.578	12.7

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055B G21614 11/09/2012 20:25:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.538	0.482	11.7	0.538	0.482	11.7
Methylcyclohexane	83	0.743	0.714	4.0	0.743	0.714	4.0
1,2-Dichloropropane	63	0.528	0.486	8.6	0.528	0.486	8.6
Bromodichloromethane	83	0.578	0.544	6.2	0.578	0.544	6.2
cis-1,3-Dichloropropene	75	0.761	0.706	7.8	0.761	0.706	7.8
4-Methyl-2-pentanone	43	0.328	0.318	3.3	0.328	0.318	3.3
Toluene	91	2.188	1.940	12.8	2.188	1.940	12.8
trans-1,3-Dichloropropene	75	0.698	0.639	9.2	0.698	0.639	9.2
1,1,2-Trichloroethane	97	0.389	0.351	11.0	0.389	0.351	11.0
Tetrachloroethene	164	0.391	0.376	4.0	0.391	0.376	4.0
2-Hexanone	43	0.262	0.258	1.4	0.262	0.258	1.4
Dibromochloromethane	129	0.367	0.364	1.0	0.367	0.364	1.0
1,2-Dibromoethane	107	0.318	0.323	-1.5	0.318	0.323	-1.5
Chlorobenzene	112	1.428	1.322	8.0	1.428	1.322	8.0
Ethylbenzene	91	2.499	2.227	12.2	2.499	2.227	12.2
o-Xylene	106	0.829	0.760	9.1	0.829	0.760	9.1
m,p-Xylene	106	0.899	0.817	10.1	0.899	0.817	10.1
Styrene	104	1.424	1.238	15.1	1.424	1.238	15.1
Bromoform	173	0.413	0.412	0.3	0.413	0.412	0.3
Isopropylbenzene	105	2.268	2.027	11.9	2.268	2.027	11.9
1,1,2,2-Tetrachloroethane	83	0.424	0.398	6.3	0.424	0.398	6.3
1,3-Dichlorobenzene	146	1.978	2.023	-2.2	1.978	2.023	-2.2
1,4-Dichlorobenzene	146	2.225	2.170	2.6	2.225	2.170	2.6

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055B G21614 11/09/2012 20:25:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	2.016	1.948	3.5	2.016	1.948	3.5
1,2-Dibromo-3-chloropropane	75	0.113	0.128	-11.7	0.113	0.128	-11.7
1,2,4-Trichlorobenzene	180	0.767	0.928	-17.3	0.767	0.928	-17.3
1,2,3-Trichlorobenzene	180	0.664	0.761	-12.8	0.664	0.761	-12.8

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055B G21614 11/09/2012 20:25:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.389	0.399	-2.6	0.389	0.399	-2.6
Chloroethane-d5	69	0.176	0.172	2.6	0.176	0.172	2.6
1,1-Dichloroethene-d2	63	1.064	1.031	3.2	1.064	1.031	3.2
2-Butanone-d5	46	0.183	0.206	-11.3	0.183	0.206	-11.3
Chloroform-d	84	0.931	0.920	1.2	0.931	0.920	1.2
1,2-Dichloroethane-d4	65	0.540	0.548	-1.4	0.540	0.548	-1.4
Benzene-d6	84	1.997	2.034	-1.8	1.997	2.034	-1.8
1,2-Dichloropropane-d6	67	0.591	0.611	-3.2	0.591	0.611	-3.2
Toluene-d8	98	1.804	1.844	-2.2	1.804	1.844	-2.2
trans-1,3-Dichloropropene-d4	79	0.684	0.688	-0.6	0.684	0.688	-0.6
2-Hexanone-d5	63	0.249	0.253	-1.5	0.249	0.253	-1.5
1,1,2,2-Tetrachloroethane-d2	84	0.516	0.473	9.1	0.516	0.473	9.1
1,2-Dichlorobenzene-d4	152	1.333	1.411	-5.5	1.333	1.411	-5.5

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055C G21617 11/12/2012 09:56:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.516	0.562	-8.3	0.516	0.562	-8.3
Chloromethane	50	0.458	0.588	-22.2	0.458	0.588	-22.2
Vinyl chloride	62	0.388	0.455	-14.9	0.388	0.455	-14.9
Bromomethane	94	0.193	0.314	-38.6	0.193	0.314	-38.6
Chloroethane	64	0.138	0.137	1.2	0.138	0.137	1.2
Trichlorofluoromethane	101	0.679	0.655	3.6	0.679	0.655	3.6
1,1-Dichloroethene	96	0.361	0.402	-10.3	0.361	0.402	-10.3
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.402	0.430	-6.5	0.402	0.430	-6.5
Acetone	43	0.102	0.093	9.2	0.102	0.093	9.2
Carbon disulfide	76	1.169	1.225	-4.5	1.169	1.225	-4.5
Methyl acetate	43	0.279	0.331	-15.9	0.279	0.331	-15.9
Methylene chloride	84	0.911	0.707	28.7	0.911	0.707	28.7
trans-1,2-Dichloroethene	96	0.374	0.438	-14.7	0.374	0.438	-14.7
Methyl tert-butyl ether	73	0.749	0.915	-18.2	0.749	0.915	-18.2
1,1-Dichloroethane	63	0.728	0.833	-12.5	0.728	0.833	-12.5
cis-1,2-Dichloroethene	96	0.345	0.435	-20.6	0.345	0.435	-20.6
2-Butanone	43	0.115	0.149	-22.6	0.115	0.149	-22.6
Bromochloromethane	128	0.180	0.196	-8.3	0.180	0.196	-8.3
Chloroform	83	0.737	0.793	-7.1	0.737	0.793	-7.1
1,1,1-Trichloroethane	97	0.661	0.743	-11.0	0.661	0.743	-11.0
Cyclohexane	56	0.671	0.823	-18.5	0.671	0.823	-18.5
Carbon tetrachloride	117	0.568	0.635	-10.5	0.568	0.635	-10.5
Benzene	78	1.570	1.828	-14.1	1.570	1.828	-14.1

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055C G21617 11/12/2012 09:56:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.529	0.578	-8.3	0.529	0.578	-8.3

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055C G21617 11/12/2012 09:56:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.431	0.482	-10.5	0.431	0.482	-10.5
Methylcyclohexane	83	0.581	0.714	-18.7	0.581	0.714	-18.7
1,2-Dichloropropane	63	0.414	0.486	-14.9	0.414	0.486	-14.9
Bromodichloromethane	83	0.496	0.544	-8.9	0.496	0.544	-8.9
cis-1,3-Dichloropropene	75	0.621	0.706	-12.0	0.621	0.706	-12.0
4-Methyl-2-pentanone	43	0.262	0.318	-17.4	0.262	0.318	-17.4
Toluene	91	1.753	1.940	-9.6	1.753	1.940	-9.6
trans-1,3-Dichloropropene	75	0.588	0.639	-8.1	0.588	0.639	-8.1
1,1,2-Trichloroethane	97	0.299	0.351	-14.8	0.299	0.351	-14.8
Tetrachloroethene	164	0.307	0.376	-18.4	0.307	0.376	-18.4
2-Hexanone	43	0.196	0.258	-24.3	0.196	0.258	-24.3
Dibromochloromethane	129	0.321	0.364	-11.7	0.321	0.364	-11.7
1,2-Dibromoethane	107	0.265	0.323	-18.1	0.265	0.323	-18.1
Chlorobenzene	112	1.158	1.322	-12.5	1.158	1.322	-12.5
Ethylbenzene	91	1.971	2.227	-11.5	1.971	2.227	-11.5
o-Xylene	106	0.663	0.760	-12.8	0.663	0.760	-12.8
m,p-Xylene	106	0.727	0.817	-11.0	0.727	0.817	-11.0
Styrene	104	1.157	1.238	-6.5	1.157	1.238	-6.5
Bromoform	173	0.396	0.412	-3.8	0.396	0.412	-3.8
Isopropylbenzene	105	1.813	2.027	-10.5	1.813	2.027	-10.5
1,1,2,2-Tetrachloroethane	83	0.340	0.398	-14.6	0.340	0.398	-14.6
1,3-Dichlorobenzene	146	1.600	2.023	-20.9	1.600	2.023	-20.9
1,4-Dichlorobenzene	146	1.849	2.170	-14.8	1.849	2.170	-14.8

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055C G21617 11/12/2012 09:56:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	1.676	1.948	-14.0	1.676	1.948	-14.0
1,2-Dibromo-3-chloropropane	75	0.100	0.128	-21.5	0.100	0.128	-21.5
1,2,4-Trichlorobenzene	180	0.674	0.928	-27.4	0.674	0.928	-27.4
1,2,3-Trichlorobenzene	180	0.591	0.761	-22.4	0.591	0.761	-22.4

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055C G21617 11/12/2012 09:56:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.322	0.399	-19.4	0.322	0.399	-19.4
Chloroethane-d5	69	0.177	0.172	2.9	0.177	0.172	2.9
1,1-Dichloroethene-d2	63	0.896	1.031	-13.0	0.896	1.031	-13.0
2-Butanone-d5	46	0.159	0.206	-22.9	0.159	0.206	-22.9
Chloroform-d	84	0.804	0.920	-12.6	0.804	0.920	-12.6
1,2-Dichloroethane-d4	65	0.481	0.548	-12.1	0.481	0.548	-12.1
Benzene-d6	84	1.669	2.034	-17.9	1.669	2.034	-17.9
1,2-Dichloropropane-d6	67	0.489	0.611	-19.8	0.489	0.611	-19.8
Toluene-d8	98	1.516	1.844	-17.8	1.516	1.844	-17.8
trans-1,3-Dichloropropene-d4	79	0.599	0.688	-12.9	0.599	0.688	-12.9
2-Hexanone-d5	63	0.209	0.253	-17.3	0.209	0.253	-17.3
1,1,2,2-Tetrachloroethane-d2	84	0.397	0.473	-16.0	0.397	0.473	-16.0
1,2-Dichlorobenzene-d4	152	1.109	1.411	-21.4	1.109	1.411	-21.4

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055D G21635 11/12/2012 20:42:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.517	0.562	-8.0	0.517	0.562	-8.0
Chloromethane	50	0.475	0.588	-19.2	0.475	0.588	-19.2
Vinyl chloride	62	0.422	0.455	-7.2	0.422	0.455	-7.2
Bromomethane	94	0.224	0.314	-28.7	0.224	0.314	-28.7
Chloroethane	64	0.121	0.137	-11.2	0.121	0.137	-11.2
Trichlorofluoromethane	101	0.432	0.655	-34.0	0.432	0.655	-34.0
1,1-Dichloroethene	96	0.385	0.402	-4.4	0.385	0.402	-4.4
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.435	0.430	1.1	0.435	0.430	1.1
Acetone	43	0.067	0.093	-28.1	0.067	0.093	-28.1
Carbon disulfide	76	1.053	1.225	-14.0	1.053	1.225	-14.0
Methyl acetate	43	0.296	0.331	-10.7	0.296	0.331	-10.7
Methylene chloride	84	0.552	0.707	-22.0	0.552	0.707	-22.0
trans-1,2-Dichloroethene	96	0.386	0.438	-11.9	0.386	0.438	-11.9
Methyl tert-butyl ether	73	0.821	0.915	-10.3	0.821	0.915	-10.3
1,1-Dichloroethane	63	0.768	0.833	-7.8	0.768	0.833	-7.8
cis-1,2-Dichloroethene	96	0.380	0.435	-12.6	0.380	0.435	-12.6
2-Butanone	43	0.116	0.149	-21.7	0.116	0.149	-21.7
Bromochloromethane	128	0.183	0.196	-6.5	0.183	0.196	-6.5
Chloroform	83	0.752	0.793	-5.2	0.752	0.793	-5.2
1,1,1-Trichloroethane	97	0.676	0.743	-9.0	0.676	0.743	-9.0
Cyclohexane	56	0.736	0.823	-10.6	0.736	0.823	-10.6
Carbon tetrachloride	117	0.558	0.635	-12.0	0.558	0.635	-12.0
Benzene	78	1.704	1.828	-6.8	1.704	1.828	-6.8

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055D G21635 11/12/2012 20:42:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.537	0.578	-7.0	0.537	0.578	-7.0

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055D G21635 11/12/2012 20:42:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.452	0.482	-6.2	0.452	0.482	-6.2
Methylcyclohexane	83	0.631	0.714	-11.7	0.631	0.714	-11.7
1,2-Dichloropropane	63	0.435	0.486	-10.4	0.435	0.486	-10.4
Bromodichloromethane	83	0.491	0.544	-9.8	0.491	0.544	-9.8
cis-1,3-Dichloropropene	75	0.645	0.706	-8.6	0.645	0.706	-8.6
4-Methyl-2-pentanone	43	0.289	0.318	-9.0	0.289	0.318	-9.0
Toluene	91	1.843	1.940	-5.0	1.843	1.940	-5.0
trans-1,3-Dichloropropene	75	0.590	0.639	-7.7	0.590	0.639	-7.7
1,1,2-Trichloroethane	97	0.328	0.351	-6.4	0.328	0.351	-6.4
Tetrachloroethene	164	0.324	0.376	-13.7	0.324	0.376	-13.7
2-Hexanone	43	0.209	0.258	-19.1	0.209	0.258	-19.1
Dibromochloromethane	129	0.309	0.364	-15.2	0.309	0.364	-15.2
1,2-Dibromoethane	107	0.278	0.323	-14.0	0.278	0.323	-14.0
Chlorobenzene	112	1.194	1.322	-9.7	1.194	1.322	-9.7
Ethylbenzene	91	2.069	2.227	-7.1	2.069	2.227	-7.1
o-Xylene	106	0.697	0.760	-8.3	0.697	0.760	-8.3
m,p-Xylene	106	0.748	0.817	-8.4	0.748	0.817	-8.4
Styrene	104	1.203	1.238	-2.8	1.203	1.238	-2.8
Bromoform	173	0.346	0.412	-15.8	0.346	0.412	-15.8
Isopropylbenzene	105	1.906	2.027	-6.0	1.906	2.027	-6.0
1,1,2,2-Tetrachloroethane	83	0.361	0.398	-9.3	0.361	0.398	-9.3
1,3-Dichlorobenzene	146	1.660	2.023	-17.9	1.660	2.023	-17.9
1,4-Dichlorobenzene	146	1.835	2.170	-15.4	1.835	2.170	-15.4

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055D G21635 11/12/2012 20:42:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	1.704	1.948	-12.5	1.704	1.948	-12.5
1,2-Dibromo-3-chloropropane	75	0.096	0.128	-25.0	0.096	0.128	-25.0
1,2,4-Trichlorobenzene	180	0.668	0.928	-28.0	0.668	0.928	-28.0
1,2,3-Trichlorobenzene	180	0.569	0.761	-25.2	0.569	0.761	-25.2

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055D G21635 11/12/2012 20:42:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.324	0.399	-18.8	0.324	0.399	-18.8
Chloroethane-d5	69	0.151	0.172	-12.0	0.151	0.172	-12.0
1,1-Dichloroethene-d2	63	0.919	1.031	-10.8	0.919	1.031	-10.8
2-Butanone-d5	46	0.168	0.206	-18.6	0.168	0.206	-18.6
Chloroform-d	84	0.795	0.920	-13.6	0.795	0.920	-13.6
1,2-Dichloroethane-d4	65	0.480	0.548	-12.4	0.480	0.548	-12.4
Benzene-d6	84	1.753	2.034	-13.8	1.753	2.034	-13.8
1,2-Dichloropropane-d6	67	0.514	0.611	-15.8	0.514	0.611	-15.8
Toluene-d8	98	1.578	1.844	-14.4	1.578	1.844	-14.4
trans-1,3-Dichloropropene-d4	79	0.611	0.688	-11.1	0.611	0.688	-11.1
2-Hexanone-d5	63	0.230	0.253	-8.9	0.230	0.253	-8.9
1,1,2,2-Tetrachloroethane-d2	84	0.407	0.473	-13.9	0.407	0.473	-13.9
1,2-Dichlorobenzene-d4	152	1.153	1.411	-18.3	1.153	1.411	-18.3

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055E G21637 11/12/2012 22:31:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.518	0.562	-7.8	0.518	0.562	-7.8
Chloromethane	50	0.481	0.588	-18.2	0.481	0.588	-18.2
Vinyl chloride	62	0.409	0.455	-10.3	0.409	0.455	-10.3
Bromomethane	94	0.235	0.314	-24.9	0.235	0.314	-24.9
Chloroethane	64	0.123	0.137	-10.2	0.123	0.137	-10.2
Trichlorofluoromethane	101	0.604	0.655	-7.8	0.604	0.655	-7.8
1,1-Dichloroethene	96	0.375	0.402	-6.7	0.375	0.402	-6.7
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.413	0.430	-3.8	0.413	0.430	-3.8
Acetone	43	0.057	0.093	-38.3	0.057	0.093	-38.3
Carbon disulfide	76	1.065	1.225	-13.0	1.065	1.225	-13.0
Methyl acetate	43	0.207	0.331	-37.6	0.207	0.331	-37.6
Methylene chloride	84	0.507	0.707	-28.3	0.507	0.707	-28.3
trans-1,2-Dichloroethene	96	0.376	0.438	-14.2	0.376	0.438	-14.2
Methyl tert-butyl ether	73	0.695	0.915	-24.0	0.695	0.915	-24.0
1,1-Dichloroethane	63	0.730	0.833	-12.3	0.730	0.833	-12.3
cis-1,2-Dichloroethene	96	0.359	0.435	-17.4	0.359	0.435	-17.4
2-Butanone	43	0.096	0.149	-35.6	0.096	0.149	-35.6
Bromochloromethane	128	0.170	0.196	-13.2	0.170	0.196	-13.2
Chloroform	83	0.716	0.793	-9.8	0.716	0.793	-9.8
1,1,1-Trichloroethane	97	0.649	0.743	-12.6	0.649	0.743	-12.6
Cyclohexane	56	0.714	0.823	-13.3	0.714	0.823	-13.3
Carbon tetrachloride	117	0.551	0.635	-13.2	0.551	0.635	-13.2
Benzene	78	1.665	1.828	-8.9	1.665	1.828	-8.9

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055E G21637 11/12/2012 22:31:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.493	0.578	-14.7	0.493	0.578	-14.7

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055E G21637 11/12/2012 22:31:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.438	0.482	-9.0	0.438	0.482	-9.0
Methylcyclohexane	83	0.608	0.714	-14.8	0.608	0.714	-14.8
1,2-Dichloropropane	63	0.422	0.486	-13.2	0.422	0.486	-13.2
Bromodichloromethane	83	0.469	0.544	-13.8	0.469	0.544	-13.8
cis-1,3-Dichloropropene	75	0.614	0.706	-13.0	0.614	0.706	-13.0
4-Methyl-2-pentanone	43	0.229	0.318	-27.8	0.229	0.318	-27.8
Toluene	91	1.742	1.940	-10.2	1.742	1.940	-10.2
trans-1,3-Dichloropropene	75	0.542	0.639	-15.2	0.542	0.639	-15.2
1,1,2-Trichloroethane	97	0.293	0.351	-16.3	0.293	0.351	-16.3
Tetrachloroethene	164	0.313	0.376	-16.7	0.313	0.376	-16.7
2-Hexanone	43	0.171	0.258	-33.7	0.171	0.258	-33.7
Dibromochloromethane	129	0.292	0.364	-19.8	0.292	0.364	-19.8
1,2-Dibromoethane	107	0.248	0.323	-23.2	0.248	0.323	-23.2
Chlorobenzene	112	1.147	1.322	-13.3	1.147	1.322	-13.3
Ethylbenzene	91	1.980	2.227	-11.1	1.980	2.227	-11.1
o-Xylene	106	0.670	0.760	-11.8	0.670	0.760	-11.8
m,p-Xylene	106	0.713	0.817	-12.7	0.713	0.817	-12.7
Styrene	104	1.146	1.238	-7.4	1.146	1.238	-7.4
Bromoform	173	0.328	0.412	-20.3	0.328	0.412	-20.3
Isopropylbenzene	105	1.801	2.027	-11.2	1.801	2.027	-11.2
1,1,2,2-Tetrachloroethane	83	0.314	0.398	-21.2	0.314	0.398	-21.2
1,3-Dichlorobenzene	146	1.664	2.023	-17.7	1.664	2.023	-17.7
1,4-Dichlorobenzene	146	1.828	2.170	-15.7	1.828	2.170	-15.7

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055E G21637 11/12/2012 22:31:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	1.719	1.948	-11.8	1.719	1.948	-11.8
1,2-Dibromo-3-chloropropane	75	0.088	0.128	-31.1	0.088	0.128	-31.1
1,2,4-Trichlorobenzene	180	0.687	0.928	-26.0	0.687	0.928	-26.0
1,2,3-Trichlorobenzene	180	0.587	0.761	-22.9	0.587	0.761	-22.9

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055E G21637 11/12/2012 22:31:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.340	0.399	-15.0	0.340	0.399	-15.0
Chloroethane-d5	69	0.163	0.172	-5.5	0.163	0.172	-5.5
1,1-Dichloroethene-d2	63	0.929	1.031	-9.9	0.929	1.031	-9.9
2-Butanone-d5	46	0.143	0.206	-30.7	0.143	0.206	-30.7
Chloroform-d	84	0.832	0.920	-9.6	0.832	0.920	-9.6
1,2-Dichloroethane-d4	65	0.470	0.548	-14.3	0.470	0.548	-14.3
Benzene-d6	84	1.796	2.034	-11.7	1.796	2.034	-11.7
1,2-Dichloropropane-d6	67	0.517	0.611	-15.3	0.517	0.611	-15.3
Toluene-d8	98	1.596	1.844	-13.4	1.596	1.844	-13.4
trans-1,3-Dichloropropene-d4	79	0.579	0.688	-15.8	0.579	0.688	-15.8
2-Hexanone-d5	63	0.193	0.253	-23.8	0.193	0.253	-23.8
1,1,2,2-Tetrachloroethane-d2	84	0.379	0.473	-19.8	0.379	0.473	-19.8
1,2-Dichlorobenzene-d4	152	1.192	1.411	-15.5	1.192	1.411	-15.5

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055F G21657 11/13/2012 08:25:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Dichlorodifluoromethane	85	0.630	0.562	12.0	0.630	0.562	12.0
Chloromethane	50	0.583	0.588	-1.0	0.583	0.588	-1.0
Vinyl chloride	62	0.504	0.455	10.7	0.504	0.455	10.7
Bromomethane	94	0.269	0.314	-14.2	0.269	0.314	-14.2
Chloroethane	64	0.150	0.137	10.0	0.150	0.137	10.0
Trichlorofluoromethane	101	0.468	0.655	-28.6	0.468	0.655	-28.6
1,1-Dichloroethene	96	0.467	0.402	16.1	0.467	0.402	16.1
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.511	0.430	19.0	0.511	0.430	19.0
Acetone	43	0.085	0.093	-8.6	0.085	0.093	-8.6
Carbon disulfide	76	1.310	1.225	7.0	1.310	1.225	7.0
Methyl acetate	43	0.330	0.331	-0.6	0.330	0.331	-0.6
Methylene chloride	84	0.694	0.707	-1.9	0.694	0.707	-1.9
trans-1,2-Dichloroethene	96	0.468	0.438	6.9	0.468	0.438	6.9
Methyl tert-butyl ether	73	0.941	0.915	2.8	0.941	0.915	2.8
1,1-Dichloroethane	63	0.931	0.833	11.8	0.931	0.833	11.8
cis-1,2-Dichloroethene	96	0.456	0.435	4.9	0.456	0.435	4.9
2-Butanone	43	0.142	0.149	-4.4	0.142	0.149	-4.4
Bromochloromethane	128	0.216	0.196	10.4	0.216	0.196	10.4
Chloroform	83	0.913	0.793	15.1	0.913	0.793	15.1
1,1,1-Trichloroethane	97	0.798	0.743	7.4	0.798	0.743	7.4
Cyclohexane	56	0.860	0.823	4.4	0.860	0.823	4.4
Carbon tetrachloride	117	0.666	0.635	4.9	0.666	0.635	4.9
Benzene	78	2.010	1.828	10.0	2.010	1.828	10.0

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1A Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055F G21657 11/13/2012 08:25:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichloroethane	62	0.643	0.578	11.3	0.643	0.578	11.3

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055F G21657 11/13/2012 08:25:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Trichloroethene	95	0.539	0.482	12.0	0.539	0.482	12.0
Methylcyclohexane	83	0.735	0.714	2.9	0.735	0.714	2.9
1,2-Dichloropropane	63	0.523	0.486	7.5	0.523	0.486	7.5
Bromodichloromethane	83	0.569	0.544	4.6	0.569	0.544	4.6
cis-1,3-Dichloropropene	75	0.736	0.706	4.2	0.736	0.706	4.2
4-Methyl-2-pentanone	43	0.327	0.318	3.0	0.327	0.318	3.0
Toluene	91	2.177	1.940	12.2	2.177	1.940	12.2
trans-1,3-Dichloropropene	75	0.666	0.639	4.2	0.666	0.639	4.2
1,1,2-Trichloroethane	97	0.365	0.351	4.1	0.365	0.351	4.1
Tetrachloroethene	164	0.382	0.376	1.6	0.382	0.376	1.6
2-Hexanone	43	0.240	0.258	-7.1	0.240	0.258	-7.1
Dibromochloromethane	129	0.352	0.364	-3.3	0.352	0.364	-3.3
1,2-Dibromoethane	107	0.324	0.323	0.4	0.324	0.323	0.4
Chlorobenzene	112	1.413	1.322	6.9	1.413	1.322	6.9
Ethylbenzene	91	2.430	2.227	9.1	2.430	2.227	9.1
o-Xylene	106	0.820	0.760	7.9	0.820	0.760	7.9
m,p-Xylene	106	0.891	0.817	9.1	0.891	0.817	9.1
Styrene	104	1.388	1.238	12.2	1.388	1.238	12.2
Bromoform	173	0.416	0.412	1.2	0.416	0.412	1.2
Isopropylbenzene	105	2.206	2.027	8.8	2.206	2.027	8.8
1,1,2,2-Tetrachloroethane	83	0.400	0.398	0.4	0.400	0.398	0.4
1,3-Dichlorobenzene	146	2.015	2.023	-0.4	2.015	2.023	-0.4
1,4-Dichlorobenzene	146	2.182	2.170	0.6	2.182	2.170	0.6

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 1B Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055F G21657 11/13/2012 08:25:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
1,2-Dichlorobenzene	146	2.068	1.948	6.2	2.068	1.948	6.2
1,2-Dibromo-3-chloropropane	75	0.106	0.128	-17.4	0.106	0.128	-17.4
1,2,4-Trichlorobenzene	180	0.753	0.928	-18.9	0.753	0.928	-18.9
1,2,3-Trichlorobenzene	180	0.701	0.761	-8.0	0.701	0.761	-8.0

National Functional Guidelines Report #17

Lab KAP(KAP Technologies, Inc.) **SDG** E2SG1 **Case** 43075 **Contract** EPW11031 **Region** 5 **DDTID** 165604 **SOW** SOM01.2

Continuing Calibration Data Summary

VOA_TRACE 6C Continuing_Calibration_Verification Instrument=G-5973 Column=RTX-VMS HeatedPurge=No

		RRF-5.0 VSTD0055F G21657 11/13/2012 08:25:00					
		Lab			NFG Calculated		
Compound	**Peak ID**	**RRF**	**Avg RRF**	**%D**	**RRF**	**Avg RRF**	**%D**
Vinyl chloride-d3	65	0.397	0.399	-0.6	0.397	0.399	-0.6
Chloroethane-d5	69	0.184	0.172	7.3	0.184	0.172	7.3
1,1-Dichloroethene-d2	63	1.117	1.031	8.4	1.117	1.031	8.4
2-Butanone-d5	46	0.192	0.206	-6.9	0.192	0.206	-6.9
Chloroform-d	84	0.991	0.920	7.7	0.991	0.920	7.7
1,2-Dichloroethane-d4	65	0.573	0.548	4.6	0.573	0.548	4.6
Benzene-d6	84	2.078	2.034	2.1	2.078	2.034	2.1
1,2-Dichloropropane-d6	67	0.616	0.611	0.8	0.616	0.611	0.8
Toluene-d8	98	1.875	1.844	1.7	1.875	1.844	1.7
trans-1,3-Dichloropropene-d4	79	0.670	0.688	-2.6	0.670	0.688	-2.6
2-Hexanone-d5	63	0.251	0.253	-0.5	0.251	0.253	-0.5
1,1,2,2-Tetrachloroethane-d2	84	0.461	0.473	-2.4	0.461	0.473	-2.4
1,2-Dichlorobenzene-d4	152	1.373	1.411	-2.7	1.373	1.411	-2.7

SYS_SAMPLE_CODE	SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_TYPE_CODE
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GW-0008	E2SH6DL	W	Field_Sample
GW-0008	E2SH6DL	W	Field_Sample
GW-0008	E2SH6DL	W	Field_Sample
GW-0013	E2SJ6DL	W	Field_Sample
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GW-0013	E2SJ6DL	W	Field_Sample
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FINAL_VOLUME	FINAL_VOLUME_UNIT	CAS_RN	CHEMICAL_NAME
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene

		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene

		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane

		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
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		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
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		108-90-7	Chlorobenzene
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		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane

		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride

		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane

		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
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		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane

		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
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		79-20-9	Methyl acetate
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		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
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		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
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		179601-23-1	m,p-Xylene
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		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
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		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
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		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
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		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
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		75-01-4	Vinyl chloride
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		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
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		79-20-9	Methyl acetate
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		156-60-5	trans-1,2-Dichloroethene
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		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
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		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
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		107-06-2	1,2-Dichloroethane
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		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
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		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth

		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
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		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
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		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone

		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
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		71-55-6	1,1,1-Trichloroethane
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		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
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		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
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		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
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		541-73-1	1,3-Dichlorobenzene
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		95-50-1	1,2-Dichlorobenzene
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		67-64-1	Acetone
		75-15-0	Carbon disulfide

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		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
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		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
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		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
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		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
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		75-01-4	Vinyl chloride
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		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate

		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
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		156-59-2	cis-1,2-Dichloroethene
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		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride

		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene

		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether

		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane

		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene

		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone

		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane

		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform

		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane

		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane

		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
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		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride

		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
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		95-47-6	o-Xylene
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		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
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		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
		74-87-3	Chloromethane
		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene

		107-06-2	1,2-Dichloroethane
		79-01-6	Trichloroethene
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		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
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		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
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		87-61-6	1,2,3-Trichlorobenzene
		75-71-8	Dichlorodifluoromethane
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		75-01-4	Vinyl chloride
		74-83-9	Bromomethane
		75-00-3	Chloroethane
		75-69-4	Trichlorofluoromethane
		75-35-4	1,1-Dichloroethene
		76-13-1	2-Trichloro-1,2,2-trifluoroeth
		67-64-1	Acetone
		75-15-0	Carbon disulfide
		79-20-9	Methyl acetate
		75-09-2	Methylene chloride
		156-60-5	trans-1,2-Dichloroethene
		1634-04-4	Methyl tert-butyl ether
		75-34-3	1,1-Dichloroethane
		156-59-2	cis-1,2-Dichloroethene
		78-93-3	2-Butanone
		74-97-5	Bromochloromethane
		67-66-3	Chloroform
		71-55-6	1,1,1-Trichloroethane
		110-82-7	Cyclohexane
		56-23-5	Carbon tetrachloride
		71-43-2	Benzene
		107-06-2	1,2-Dichloroethane

		79-01-6	Trichloroethene
		108-87-2	Methylcyclohexane
		78-87-5	1,2-Dichloropropane
		75-27-4	Bromodichloromethane
		10061-01-5	cis-1,3-Dichloropropene
		108-10-1	4-Methyl-2-pentanone
		108-88-3	Toluene
		10061-02-6	trans-1,3-Dichloropropene
		79-00-5	1,1,2-Trichloroethane
		127-18-4	Tetrachloroethene
		591-78-6	2-Hexanone
		124-48-1	Dibromochloromethane
		106-93-4	1,2-Dibromoethane
		108-90-7	Chlorobenzene
		100-41-4	Ethylbenzene
		95-47-6	o-Xylene
		179601-23-1	m,p-Xylene
		100-42-5	Styrene
		75-25-2	Bromoform
		98-82-8	Isopropylbenzene
		79-34-5	1,1,2,2-Tetrachloroethane
		541-73-1	1,3-Dichlorobenzene
		106-46-7	1,4-Dichlorobenzene
		95-50-1	1,2-Dichlorobenzene
		96-12-8	,2-Dibromo-3-chloropropan
		120-82-1	1,2,4-Trichlorobenzene
		87-61-6	1,2,3-Trichlorobenzene

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PORTING_DETECTION_LI	RESULT_UNIT	DETECTION_LIMIT_UNIT	RESULT_COMMENT
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Edit History Report

Case No: 43075 Contract: EPW11031 SDG No: E2SG1 Lab Code: KAP

Method: VOA_Trace

Sample	Matrix	Analyte Name	Data Field	Old Value	New Value	User	Edit Date Time	Global
E2SG1	Water	Methylene chloride	Validated Result	0.50	1.0	Steffanie Tobin	12/11/12 11:26 AM	
E2SG5	Water	Methylene chloride	Validated Result	0.50	1.0	Steffanie Tobin	12/11/12 11:28 AM	
E2SG5MS	Water	Methylene chloride	Validated Result	0.50	1.0	Steffanie Tobin	12/11/12 11:28 AM	
E2SG5MSD	Water	Methylene chloride	Validated Result	0.50	1.0	Steffanie Tobin	12/11/12 11:29 AM	
E2SH0	Water	Methylene chloride	Validated Result	0.50	1.0	Steffanie Tobin	12/11/12 11:29 AM	
E2SH2	Water	Methylene chloride	Validated Result	2.0	4.0	Steffanie Tobin	12/11/12 11:30 AM	
E2SH2	Water	Trichloroethene	Validation Flag		J	Steffanie Tobin	12/11/12 11:34 AM	
E2SH4	Water	Trichloroethene	Validation Flag		J	Steffanie Tobin	12/11/12 11:35 AM	
E2SH4DL	Water	Methylene chloride	Validated Result	5.0	10	Steffanie Tobin	12/11/12 11:31 AM	
E2SH6	Water	Bromomethane	Validation Flag	UJ	U	Steffanie Tobin	12/17/12 8:12 AM	
E2SH6	Water	Trichloroethene	Validation Flag		J	Steffanie Tobin	12/11/12 11:36 AM	
E2SH6DL	Water	Methylene chloride	Validated Result	5.0	10	Steffanie Tobin	12/11/12 11:31 AM	
E2SH8	Water	Bromomethane	Validation Flag	UJ	U	Steffanie Tobin	12/17/12 8:13 AM	
E2SH9	Water	Bromomethane	Validation Flag	UJ	U	Steffanie Tobin	12/17/12 8:13 AM	
E2SH9	Water	Methylene chloride	Validated Result	0.50	1.0	Steffanie Tobin	12/11/12 11:32 AM	
E2SJ4	Water	Methylene chloride	Validated Result	0.50	0.21	Steffanie Tobin	12/15/12 9:21 PM	
E2SJ4	Water	Methylene chloride	Validation Flag	U	J	Steffanie Tobin	12/15/12 9:21 PM	
E2SJ6	Water	Trichloroethene	Validation Flag		J	Steffanie Tobin	12/11/12 11:36 AM	
E2SJ6DL	Water	Methylene chloride	Validated Result	5.0	2.6	Steffanie Tobin	12/15/12 9:22 PM	
E2SJ6DL	Water	Methylene chloride	Validation Flag	U	J	Steffanie Tobin	12/15/12 9:22 PM	
E2SJ7	Water	Methylene chloride	Validated Result	0.50	0.24	Steffanie Tobin	12/15/12 9:22 PM	
E2SJ7	Water	Methylene chloride	Validation Flag	U	J	Steffanie Tobin	12/15/12 9:22 PM	
E2SK1	Water	Methylene chloride	Validated Result	0.50	0.37	Steffanie Tobin	12/15/12 9:23 PM	
E2SK1	Water	Methylene chloride	Validation Flag	U	J	Steffanie Tobin	12/15/12 9:23 PM	
VHBLK01	Water	Methylene chloride	Validated Result	0.29	1.0	Steffanie Tobin	12/11/12 11:33 AM	
VHBLK01	Water	Methylene chloride	Validation Flag	J	U	Steffanie Tobin	12/11/12 11:33 AM	

Sample Summary Report

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SG1	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0001	pH:	2	Sample Date:	10/30/2012	Sample Time:	12:30:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.50	UG/L	1.0	U	U	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluorom ethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	1.0	UG/L	1.0	JB	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromet hane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.14	UG/L	1.0	J	J	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexa ne	0.26	UG/L	1.0	J	J	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.96	UG/L	1.0			Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.20	UG/L	1.0	J	J	Yes	
o-Xylene	0.12	UG/L	1.0	J	J	Yes	
m,p-Xylene	0.28	UG/L	1.0	J	J	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	UJ	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	JB	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SG5	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0003	pH:	2	Sample Date:	10/30/2012	Sample Time:	14:30:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.50	UG/L	1.0	U	U	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	1.0	UG/L	1.0	JB	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	UJ	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP
Sample Number: E2SG5MS	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location: GW-0003	pH: 2	Sample Date: 10/30/2012	Sample Time: 14:30:00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1-Dichloroethene	3.4	UG/L	1.0			Yes	
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Benzene	4.5	UG/L	1.0			Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	4.3	UG/L	1.0			Yes	
Bromomethane	0.50	UG/L	1.0	U	U	Yes	
Toluene	5.7	UG/L	1.0			Yes	
Chlorobenzene	4.8	UG/L	1.0			Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	1.0	UG/L	1.0	JB	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	UJ	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SG5MSD	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0003	pH:	2	Sample Date:	10/30/2012	Sample Time:	14:30:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1-Dichloroethene	3.8	UG/L	1.0			Yes	
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Benzene	4.4	UG/L	1.0			Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	4.4	UG/L	1.0			Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.50	UG/L	1.0	U	U	Yes	
Toluene	5.1	UG/L	1.0			Yes	
Chlorobenzene	5.2	UG/L	1.0			Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	1.0	UG/L	1.0	JB	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	UJ	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP

Sample Number:	E2SG6	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0016	pH:	2	Sample Date:	11/01/2012	Sample Time:	15:15:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.42	UG/L	1.0	J	J	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.50	UG/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SH0	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0002	pH:	2	Sample Date:	10/30/2012	Sample Time:	15:30:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.50	UG/L	1.0	U	U	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	1.0	UG/L	1.0	JB	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	3.8	UG/L	1.0			Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.48	UG/L	1.0	J	J	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	UJ	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.18	UG/L	1.0	J	J	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	JB	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SH2	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0006	pH:	2	Sample Date:	10/31/2012	Sample Time:	10:35:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	2.0	UG/L	4.0	U	U	Yes	
Chloromethane	2.0	UG/L	4.0	U	U	Yes	
Vinyl chloride	2.0	UG/L	4.0	U	U	Yes	
Bromomethane	2.0	UG/L	4.0	U	U	Yes	
Chloroethane	2.0	UG/L	4.0	U	U	Yes	
Trichlorofluoromethane	2.0	UG/L	4.0	U	U	Yes	
1,1-Dichloroethene	2.0	UG/L	4.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	UG/L	4.0	U	U	Yes	
Acetone	20	UG/L	4.0	U	U	Yes	
Carbon disulfide	2.0	UG/L	4.0	U	U	Yes	
Methyl acetate	2.0	UG/L	4.0	U	U	Yes	
Methylene chloride	4.0	UG/L	4.0	JB	U	Yes	
trans-1,2-Dichloroethene	2.0	UG/L	4.0	U	U	Yes	
Methyl tert-butyl ether	2.0	UG/L	4.0	U	U	Yes	
1,1-Dichloroethane	2.0	UG/L	4.0	U	U	Yes	
cis-1,2-Dichloroethene	2.8	UG/L	4.0			Yes	
2-Butanone	20	UG/L	4.0	U	U	Yes	
Bromochloromethane	2.0	UG/L	4.0	U	U	Yes	
Chloroform	2.0	UG/L	4.0	U	U	Yes	
1,1,1-Trichloroethane	2.0	UG/L	4.0	U	U	Yes	
Cyclohexane	0.80	UG/L	4.0	J	J	Yes	
Carbon tetrachloride	2.0	UG/L	4.0	U	U	Yes	
Benzene	2.0	UG/L	4.0	U	U	Yes	
1,2-Dichloroethane	2.0	UG/L	4.0	U	U	Yes	
Trichloroethene	92	UG/L	4.0	E	J	Yes	
Methylcyclohexane	2.0	UG/L	4.0	U	U	Yes	
1,2-Dichloropropane	2.0	UG/L	4.0	U	U	Yes	
Bromodichloromethane	2.0	UG/L	4.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	2.0	UG/L	4.0	U	U	Yes	
4-Methyl-2-pentanone	20	UG/L	4.0	U	U	Yes	
Toluene	2.3	UG/L	4.0			Yes	
trans-1,3-Dichloropropene	2.0	UG/L	4.0	U	U	Yes	
1,1,2-Trichloroethane	2.0	UG/L	4.0	U	U	Yes	
Tetrachloroethene	73	UG/L	4.0			Yes	
2-Hexanone	20	UG/L	4.0	U	U	Yes	
Dibromochloromethane	2.0	UG/L	4.0	U	U	Yes	
1,2-Dibromoethane	2.0	UG/L	4.0	U	U	Yes	
Chlorobenzene	2.0	UG/L	4.0	U	U	Yes	
Ethylbenzene	0.47	UG/L	4.0	J	J	Yes	
o-Xylene	2.0	UG/L	4.0	U	U	Yes	
m,p-Xylene	0.70	UG/L	4.0	J	J	Yes	
Styrene	2.0	UG/L	4.0	U	U	Yes	
Bromoform	2.0	UG/L	4.0	U	U	Yes	
Isopropylbenzene	2.0	UG/L	4.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	2.0	UG/L	4.0	U	U	Yes	
1,3-Dichlorobenzene	2.0	UG/L	4.0	U	U	Yes	
1,4-Dichlorobenzene	2.0	UG/L	4.0	U	U	Yes	
1,2-Dichlorobenzene	2.0	UG/L	4.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	2.0	UG/L	4.0	U	U	Yes	
1,2,4-Trichlorobenzene	2.0	UG/L	4.0	JB	U	Yes	
1,2,3-Trichlorobenzene	2.0	UG/L	4.0	U	U	Yes	
Butane, 2-methyl-			4.0	NJ		Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SH2DL	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0006	pH:	2	Sample Date:	10/31/2012	Sample Time:	10:35:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	2.5	UG/L	5.0	U	U	Yes	
Chloromethane	2.5	UG/L	5.0	U	U	Yes	
Vinyl chloride	2.5	UG/L	5.0	U	U	Yes	
Bromomethane	2.5	UG/L	5.0	U	U	Yes	
Chloroethane	2.5	UG/L	5.0	U	U	Yes	
Trichlorofluoromethane	2.5	UG/L	5.0	U	U	Yes	
1,1-Dichloroethene	2.5	UG/L	5.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	2.5	UG/L	5.0	U	U	Yes	
Acetone	25	UG/L	5.0	U	U	Yes	
Carbon disulfide	2.5	UG/L	5.0	U	U	Yes	
Methyl acetate	2.5	UG/L	5.0	U	U	Yes	
Methylene chloride	2.5	UG/L	5.0	U	U	Yes	
trans-1,2-Dichloroethene	2.5	UG/L	5.0	U	U	Yes	
Methyl tert-butyl ether	2.5	UG/L	5.0	U	U	Yes	
1,1-Dichloroethane	2.5	UG/L	5.0	U	UJ	Yes	
cis-1,2-Dichloroethene	2.3	UG/L	5.0	DJ	J	Yes	
2-Butanone	25	UG/L	5.0	U	U	Yes	
Bromochloromethane	2.5	UG/L	5.0	U	UJ	Yes	
Chloroform	2.5	UG/L	5.0	U	UJ	Yes	
1,1,1-Trichloroethane	2.5	UG/L	5.0	U	U	Yes	
Cyclohexane	2.5	UG/L	5.0	U	U	Yes	
Carbon tetrachloride	2.5	UG/L	5.0	U	U	Yes	
Benzene	2.5	UG/L	5.0	U	U	Yes	
1,2-Dichloroethane	2.5	UG/L	5.0	U	U	Yes	
Trichloroethene	87	UG/L	5.0	D		Yes	
Methylcyclohexane	2.5	UG/L	5.0	U	U	Yes	
1,2-Dichloropropane	2.5	UG/L	5.0	U	U	Yes	
Bromodichloromethane	2.5	UG/L	5.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	2.5	UG/L	5.0	U	U	Yes	
4-Methyl-2-pentanone	25	UG/L	5.0	U	U	Yes	
Toluene	2.5	UG/L	5.0	U	U	Yes	
trans-1,3-Dichloropropene	2.5	UG/L	5.0	U	U	Yes	
1,1,2-Trichloroethane	2.5	UG/L	5.0	U	U	Yes	
Tetrachloroethene	55	UG/L	5.0	D		Yes	
2-Hexanone	25	UG/L	5.0	U	U	Yes	
Dibromochloromethane	2.5	UG/L	5.0	U	UJ	Yes	
1,2-Dibromoethane	2.5	UG/L	5.0	U	U	Yes	
Chlorobenzene	2.5	UG/L	5.0	U	U	Yes	
Ethylbenzene	2.5	UG/L	5.0	U	U	Yes	
o-Xylene	2.5	UG/L	5.0	U	U	Yes	
m,p-Xylene	2.5	UG/L	5.0	U	U	Yes	
Styrene	2.5	UG/L	5.0	U	U	Yes	
Bromoform	2.5	UG/L	5.0	U	UJ	Yes	
Isopropylbenzene	2.5	UG/L	5.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	2.5	UG/L	5.0	U	U	Yes	
1,3-Dichlorobenzene	2.5	UG/L	5.0	U	U	Yes	
1,4-Dichlorobenzene	2.5	UG/L	5.0	U	U	Yes	
1,2-Dichlorobenzene	2.5	UG/L	5.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	2.5	UG/L	5.0	U	U	Yes	
1,2,4-Trichlorobenzene	2.5	UG/L	5.0	U	U	Yes	
1,2,3-Trichlorobenzene	2.5	UG/L	5.0	U	U	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP

Sample Number:	E2SH4	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0007	pH:	2	Sample Date:	10/31/2012	Sample Time:	11:45:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	2.0	UG/L	4.0	U	U	Yes	
Chloromethane	2.0	UG/L	4.0	U	U	Yes	
Vinyl chloride	2.0	UG/L	4.0	U	U	Yes	
Bromomethane	2.0	UG/L	4.0	U	U	Yes	
Chloroethane	2.0	UG/L	4.0	U	U	Yes	
Trichlorofluoromethane	2.0	UG/L	4.0	U	U	Yes	
1,1-Dichloroethene	2.0	UG/L	4.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	UG/L	4.0	U	U	Yes	
Acetone	20	UG/L	4.0	U	U	Yes	
Carbon disulfide	2.0	UG/L	4.0	U	U	Yes	
Methyl acetate	2.0	UG/L	4.0	U	U	Yes	
Methylene chloride	2.0	UG/L	4.0	U	U	Yes	
trans-1,2-Dichloroethene	2.0	UG/L	4.0	U	U	Yes	
Methyl tert-butyl ether	2.0	UG/L	4.0	U	U	Yes	
1,1-Dichloroethane	2.0	UG/L	4.0	U	U	Yes	
cis-1,2-Dichloroethene	2.0	UG/L	4.0	U	U	Yes	
2-Butanone	20	UG/L	4.0	U	U	Yes	
Bromochloromethane	2.0	UG/L	4.0	U	U	Yes	
Chloroform	2.0	UG/L	4.0	U	U	Yes	
1,1,1-Trichloroethane	2.0	UG/L	4.0	U	U	Yes	
Cyclohexane	2.0	UG/L	4.0	U	U	Yes	
Carbon tetrachloride	2.0	UG/L	4.0	U	U	Yes	
Benzene	2.0	UG/L	4.0	U	U	Yes	
1,2-Dichloroethane	2.0	UG/L	4.0	U	U	Yes	
Trichloroethene	82	UG/L	4.0	E	J	Yes	
Methylcyclohexane	2.0	UG/L	4.0	U	U	Yes	
1,2-Dichloropropane	2.0	UG/L	4.0	U	U	Yes	
Bromodichloromethane	2.0	UG/L	4.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	2.0	UG/L	4.0	U	U	Yes	
4-Methyl-2-pentanone	20	UG/L	4.0	U	U	Yes	
Toluene	2.0	UG/L	4.0	U	U	Yes	
trans-1,3-Dichloropropene	2.0	UG/L	4.0	U	U	Yes	
1,1,2-Trichloroethane	2.0	UG/L	4.0	U	U	Yes	
Tetrachloroethene	2.0	UG/L	4.0	U	U	Yes	
2-Hexanone	20	UG/L	4.0	U	U	Yes	
Dibromochloromethane	2.0	UG/L	4.0	U	U	Yes	
1,2-Dibromoethane	2.0	UG/L	4.0	U	U	Yes	
Chlorobenzene	2.0	UG/L	4.0	U	U	Yes	
Ethylbenzene	2.0	UG/L	4.0	U	U	Yes	
o-Xylene	2.0	UG/L	4.0	U	U	Yes	
m,p-Xylene	2.0	UG/L	4.0	U	U	Yes	
Styrene	2.0	UG/L	4.0	U	U	Yes	
Bromoform	2.0	UG/L	4.0	U	U	Yes	
Isopropylbenzene	2.0	UG/L	4.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	2.0	UG/L	4.0	U	U	Yes	
1,3-Dichlorobenzene	2.0	UG/L	4.0	U	U	Yes	
1,4-Dichlorobenzene	2.0	UG/L	4.0	U	U	Yes	
1,2-Dichlorobenzene	2.0	UG/L	4.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	2.0	UG/L	4.0	U	U	Yes	
1,2,4-Trichlorobenzene	2.0	UG/L	4.0	U	U	Yes	
1,2,3-Trichlorobenzene	2.0	UG/L	4.0	U	U	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP
Sample Number: E2SH4DL	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location: GW-0007	pH: 2	Sample Date: 10/31/2012	Sample Time: 11:45:00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	5.0	UG/L	10.0	U	U	Yes	
Chloromethane	5.0	UG/L	10.0	U	U	Yes	
Vinyl chloride	5.0	UG/L	10.0	U	U	Yes	
Bromomethane	5.0	UG/L	10.0	U	U	Yes	
Chloroethane	5.0	UG/L	10.0	U	U	Yes	
Trichlorofluoromethane	5.0	UG/L	10.0	U	U	Yes	
1,1-Dichloroethene	5.0	UG/L	10.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	UG/L	10.0	U	U	Yes	
Acetone	50	UG/L	10.0	U	U	Yes	
Carbon disulfide	5.0	UG/L	10.0	U	U	Yes	
Methyl acetate	5.0	UG/L	10.0	U	U	Yes	
Methylene chloride	10	UG/L	10.0	DJB	U	Yes	
trans-1,2-Dichloroethene	5.0	UG/L	10.0	U	U	Yes	
Methyl tert-butyl ether	5.0	UG/L	10.0	U	U	Yes	
1,1-Dichloroethane	5.0	UG/L	10.0	U	U	Yes	
cis-1,2-Dichloroethene	5.0	UG/L	10.0	U	U	Yes	
2-Butanone	50	UG/L	10.0	U	U	Yes	
Bromochloromethane	5.0	UG/L	10.0	U	U	Yes	
Chloroform	5.0	UG/L	10.0	U	U	Yes	
1,1,1-Trichloroethane	5.0	UG/L	10.0	U	U	Yes	
Cyclohexane	5.0	UG/L	10.0	U	U	Yes	
Carbon tetrachloride	5.0	UG/L	10.0	U	U	Yes	
Benzene	5.0	UG/L	10.0	U	U	Yes	
1,2-Dichloroethane	5.0	UG/L	10.0	U	U	Yes	
Trichloroethene	75	UG/L	10.0	D		Yes	
Methylcyclohexane	5.0	UG/L	10.0	U	U	Yes	
1,2-Dichloropropane	5.0	UG/L	10.0	U	U	Yes	
Bromodichloromethane	5.0	UG/L	10.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	5.0	UG/L	10.0	U	U	Yes	
4-Methyl-2-pentanone	50	UG/L	10.0	U	U	Yes	
Toluene	5.0	UG/L	10.0	U	U	Yes	
trans-1,3-Dichloropropene	5.0	UG/L	10.0	U	U	Yes	
1,1,2-Trichloroethane	5.0	UG/L	10.0	U	U	Yes	
Tetrachloroethene	5.0	UG/L	10.0	U	U	Yes	
2-Hexanone	50	UG/L	10.0	U	U	Yes	
Dibromochloromethane	5.0	UG/L	10.0	U	U	Yes	
1,2-Dibromoethane	5.0	UG/L	10.0	U	U	Yes	
Chlorobenzene	5.0	UG/L	10.0	U	U	Yes	
Ethylbenzene	5.0	UG/L	10.0	U	U	Yes	
o-Xylene	5.0	UG/L	10.0	U	U	Yes	
m,p-Xylene	5.0	UG/L	10.0	U	U	Yes	
Styrene	5.0	UG/L	10.0	U	U	Yes	
Bromoform	5.0	UG/L	10.0	U	U	Yes	
Isopropylbenzene	5.0	UG/L	10.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	5.0	UG/L	10.0	U	U	Yes	
1,3-Dichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,4-Dichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,2-Dichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	5.0	UG/L	10.0	U	U	Yes	
1,2,4-Trichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,2,3-Trichlorobenzene	5.0	UG/L	10.0	U	U	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP
Sample Number: E2SH6	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location: GW-0008	pH: 2	Sample Date: 10/31/2012	Sample Time: 13:00:00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	1.0	UG/L	2.0	U	U	Yes	
Chloromethane	1.0	UG/L	2.0	U	U	Yes	
Vinyl chloride	1.0	UG/L	2.0	U	U	Yes	
Bromomethane	1.0	UG/L	2.0	JB	U	Yes	
Chloroethane	1.0	UG/L	2.0	U	U	Yes	
Trichlorofluoromethane	1.0	UG/L	2.0	U	U	Yes	
1,1-Dichloroethene	1.0	UG/L	2.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	UG/L	2.0	U	U	Yes	
Acetone	10	UG/L	2.0	U	U	Yes	
Carbon disulfide	1.0	UG/L	2.0	U	U	Yes	
Methyl acetate	1.0	UG/L	2.0	U	U	Yes	
Methylene chloride	1.0	UG/L	2.0	U	U	Yes	
trans-1,2-Dichloroethene	1.0	UG/L	2.0	U	U	Yes	
Methyl tert-butyl ether	1.0	UG/L	2.0	U	U	Yes	
1,1-Dichloroethane	1.0	UG/L	2.0	U	U	Yes	
cis-1,2-Dichloroethene	1.0	UG/L	2.0	U	U	Yes	
2-Butanone	10	UG/L	2.0	U	U	Yes	
Bromochloromethane	1.0	UG/L	2.0	U	U	Yes	
Chloroform	1.0	UG/L	2.0	U	U	Yes	
1,1,1-Trichloroethane	1.0	UG/L	2.0	U	U	Yes	
Cyclohexane	1.0	UG/L	2.0	U	U	Yes	
Carbon tetrachloride	1.0	UG/L	2.0	U	U	Yes	
Benzene	1.0	UG/L	2.0	U	U	Yes	
1,2-Dichloroethane	1.0	UG/L	2.0	U	U	Yes	
Trichloroethene	60	UG/L	2.0	E	J	Yes	
Methylcyclohexane	1.0	UG/L	2.0	U	U	Yes	
1,2-Dichloropropane	1.0	UG/L	2.0	U	U	Yes	
Bromodichloromethane	1.0	UG/L	2.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	1.0	UG/L	2.0	U	U	Yes	
4-Methyl-2-pentanone	10	UG/L	2.0	U	U	Yes	
Toluene	1.0	UG/L	2.0	U	U	Yes	
trans-1,3-Dichloropropene	1.0	UG/L	2.0	U	U	Yes	
1,1,2-Trichloroethane	1.0	UG/L	2.0	U	U	Yes	
Tetrachloroethene	1.0	UG/L	2.0	U	U	Yes	
2-Hexanone	10	UG/L	2.0	U	U	Yes	
Dibromochloromethane	1.0	UG/L	2.0	U	U	Yes	
1,2-Dibromoethane	1.0	UG/L	2.0	U	U	Yes	
Chlorobenzene	1.0	UG/L	2.0	U	U	Yes	
Ethylbenzene	1.0	UG/L	2.0	U	U	Yes	
o-Xylene	1.0	UG/L	2.0	U	U	Yes	
m,p-Xylene	1.0	UG/L	2.0	U	U	Yes	
Styrene	1.0	UG/L	2.0	U	U	Yes	
Bromoform	1.0	UG/L	2.0	U	U	Yes	
Isopropylbenzene	1.0	UG/L	2.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	1.0	UG/L	2.0	U	U	Yes	
1,3-Dichlorobenzene	1.0	UG/L	2.0	U	U	Yes	
1,4-Dichlorobenzene	1.0	UG/L	2.0	U	U	Yes	
1,2-Dichlorobenzene	1.0	UG/L	2.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	1.0	UG/L	2.0	U	U	Yes	
1,2,4-Trichlorobenzene	1.0	UG/L	2.0	U	U	Yes	
1,2,3-Trichlorobenzene	1.0	UG/L	2.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SH6DL	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0008	pH:	2	Sample Date:	10/31/2012	Sample Time:	13:00:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	5.0	UG/L	10.0	U	U	Yes	
Chloromethane	5.0	UG/L	10.0	U	U	Yes	
Vinyl chloride	5.0	UG/L	10.0	U	U	Yes	
Bromomethane	5.0	UG/L	10.0	U	U	Yes	
Chloroethane	5.0	UG/L	10.0	U	U	Yes	
Trichlorofluoromethane	5.0	UG/L	10.0	U	U	Yes	
1,1-Dichloroethene	5.0	UG/L	10.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	UG/L	10.0	U	U	Yes	
Acetone	50	UG/L	10.0	U	U	Yes	
Carbon disulfide	5.0	UG/L	10.0	U	U	Yes	
Methyl acetate	5.0	UG/L	10.0	U	U	Yes	
Methylene chloride	10	UG/L	10.0	DJB	U	Yes	
trans-1,2-Dichloroethene	5.0	UG/L	10.0	U	U	Yes	
Methyl tert-butyl ether	5.0	UG/L	10.0	U	U	Yes	
1,1-Dichloroethane	5.0	UG/L	10.0	U	U	Yes	
cis-1,2-Dichloroethene	5.0	UG/L	10.0	U	U	Yes	
2-Butanone	50	UG/L	10.0	U	U	Yes	
Bromochloromethane	5.0	UG/L	10.0	U	U	Yes	
Chloroform	5.0	UG/L	10.0	U	U	Yes	
1,1,1-Trichloroethane	5.0	UG/L	10.0	U	U	Yes	
Cyclohexane	5.0	UG/L	10.0	U	U	Yes	
Carbon tetrachloride	5.0	UG/L	10.0	U	U	Yes	
Benzene	5.0	UG/L	10.0	U	U	Yes	
1,2-Dichloroethane	5.0	UG/L	10.0	U	U	Yes	
Trichloroethene	70	UG/L	10.0	D		Yes	
Methylcyclohexane	5.0	UG/L	10.0	U	U	Yes	
1,2-Dichloropropane	5.0	UG/L	10.0	U	U	Yes	
Bromodichloromethane	5.0	UG/L	10.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	5.0	UG/L	10.0	U	U	Yes	
4-Methyl-2-pentanone	50	UG/L	10.0	U	U	Yes	
Toluene	5.0	UG/L	10.0	U	U	Yes	
trans-1,3-Dichloropropene	5.0	UG/L	10.0	U	U	Yes	
1,1,2-Trichloroethane	5.0	UG/L	10.0	U	U	Yes	
Tetrachloroethene	5.0	UG/L	10.0	U	U	Yes	
2-Hexanone	50	UG/L	10.0	U	U	Yes	
Dibromochloromethane	5.0	UG/L	10.0	U	U	Yes	
1,2-Dibromoethane	5.0	UG/L	10.0	U	U	Yes	
Chlorobenzene	5.0	UG/L	10.0	U	U	Yes	
Ethylbenzene	5.0	UG/L	10.0	U	U	Yes	
o-Xylene	5.0	UG/L	10.0	U	U	Yes	
m,p-Xylene	5.0	UG/L	10.0	U	U	Yes	
Styrene	5.0	UG/L	10.0	U	U	Yes	
Bromoform	5.0	UG/L	10.0	U	U	Yes	
Isopropylbenzene	5.0	UG/L	10.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	5.0	UG/L	10.0	U	U	Yes	
1,3-Dichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,4-Dichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,2-Dichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	5.0	UG/L	10.0	U	U	Yes	
1,2,4-Trichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,2,3-Trichlorobenzene	5.0	UG/L	10.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SH8	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0009	pH:	2	Sample Date:	10/31/2012	Sample Time:	14:20:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.50	UG/L	1.0	JB	U	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.2	UG/L	1.0			Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.50	UG/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.42	UG/L	1.0	J	J	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SH9	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0010	pH:	2	Sample Date:	10/31/2012	Sample Time:	15:15:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.50	UG/L	1.0	JB	U	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	1.0	UG/L	1.0	JB	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	4.2	UG/L	1.0			Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.46	UG/L	1.0	J	J	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SJ2	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0011	pH:	2	Sample Date:	11/01/2012	Sample Time:	10:15:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.32	UG/L	1.0	J	J	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.50	UG/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	1.2	UG/L	1.0			Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	2.4	UG/L	1.0			Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SJ4	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0012	pH:	2	Sample Date:	11/01/2012	Sample Time:	10:15:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.32	UG/L	1.0	J	J	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.21	UG/L	1.0	J	J	Yes	
trans-1,2-Dichloroethene	0.62	UG/L	1.0			Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	5.4	UG/L	1.0			Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	3.0	UG/L	1.0			Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.33	UG/L	1.0	J	J	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SJ6	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0013	pH:	2	Sample Date:	11/01/2012	Sample Time:	12:15:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.35	UG/L	1.0	J	J	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.50	UG/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	0.23	UG/L	1.0	J	J	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	1.7	UG/L	1.0			Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	51	UG/L	1.0	E	J	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.40	UG/L	1.0	J	J	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SJ6DL	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0013	pH:	2	Sample Date:	11/01/2012	Sample Time:	12:15:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	5.0	UG/L	10.0	U	U	Yes	
Chloromethane	5.0	UG/L	10.0	U	U	Yes	
Vinyl chloride	5.0	UG/L	10.0	U	U	Yes	
Bromomethane	5.0	UG/L	10.0	U	UJ	Yes	
Chloroethane	5.0	UG/L	10.0	U	U	Yes	
Trichlorofluoromethane	5.0	UG/L	10.0	U	U	Yes	
1,1-Dichloroethene	5.0	UG/L	10.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	UG/L	10.0	U	U	Yes	
Acetone	50	UG/L	10.0	U	U	Yes	
Carbon disulfide	5.0	UG/L	10.0	U	U	Yes	
Methyl acetate	5.0	UG/L	10.0	U	U	Yes	
Methylene chloride	2.6	UG/L	10.0	DJ	J	Yes	
trans-1,2-Dichloroethene	5.0	UG/L	10.0	U	U	Yes	
Methyl tert-butyl ether	5.0	UG/L	10.0	U	U	Yes	
1,1-Dichloroethane	5.0	UG/L	10.0	U	U	Yes	
cis-1,2-Dichloroethene	5.0	UG/L	10.0	U	U	Yes	
2-Butanone	50	UG/L	10.0	U	U	Yes	
Bromochloromethane	5.0	UG/L	10.0	U	U	Yes	
Chloroform	5.0	UG/L	10.0	U	U	Yes	
1,1,1-Trichloroethane	5.0	UG/L	10.0	U	U	Yes	
Cyclohexane	5.0	UG/L	10.0	U	U	Yes	
Carbon tetrachloride	5.0	UG/L	10.0	U	U	Yes	
Benzene	5.0	UG/L	10.0	U	U	Yes	
1,2-Dichloroethane	5.0	UG/L	10.0	U	U	Yes	
Trichloroethene	35	UG/L	10.0	D		Yes	
Methylcyclohexane	5.0	UG/L	10.0	U	U	Yes	
1,2-Dichloropropane	5.0	UG/L	10.0	U	U	Yes	
Bromodichloromethane	5.0	UG/L	10.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	5.0	UG/L	10.0	U	U	Yes	
4-Methyl-2-pentanone	50	UG/L	10.0	U	U	Yes	
Toluene	5.0	UG/L	10.0	U	U	Yes	
trans-1,3-Dichloropropene	5.0	UG/L	10.0	U	U	Yes	
1,1,2-Trichloroethane	5.0	UG/L	10.0	U	U	Yes	
Tetrachloroethene	5.0	UG/L	10.0	U	U	Yes	
2-Hexanone	50	UG/L	10.0	U	U	Yes	
Dibromochloromethane	5.0	UG/L	10.0	U	U	Yes	
1,2-Dibromoethane	5.0	UG/L	10.0	U	U	Yes	
Chlorobenzene	5.0	UG/L	10.0	U	U	Yes	
Ethylbenzene	5.0	UG/L	10.0	U	U	Yes	
o-Xylene	5.0	UG/L	10.0	U	U	Yes	
m,p-Xylene	5.0	UG/L	10.0	U	U	Yes	
Styrene	5.0	UG/L	10.0	U	U	Yes	
Bromoform	5.0	UG/L	10.0	U	U	Yes	
Isopropylbenzene	5.0	UG/L	10.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	5.0	UG/L	10.0	U	U	Yes	
1,3-Dichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,4-Dichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,2-Dichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	5.0	UG/L	10.0	U	U	Yes	
1,2,4-Trichlorobenzene	5.0	UG/L	10.0	U	U	Yes	
1,2,3-Trichlorobenzene	5.0	UG/L	10.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SJ7	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0015	pH:	2	Sample Date:	11/01/2012	Sample Time:	13:30:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.53	UG/L	1.0		J	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.24	UG/L	1.0	J	J	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No:	43075	Contract:	EPW11031	SDG No:	E2SG1	Lab Code:	KAP
Sample Number:	E2SK1	Method:	VOA_Trace	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	GW-0014	pH:	2	Sample Date:	11/01/2012	Sample Time:	12:30:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.28	UG/L	1.0	J	J	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.37	UG/L	1.0	J	J	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	13	UG/L	1.0			Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	3.9	UG/L	1.0			Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.67	UG/L	1.0			Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP
Sample Number: VBLK4Y	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.40	UG/L	1.0	J	J	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.60	UG/L	1.0			Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP
Sample Number: VBLK5A	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.39	UG/L	1.0	J	J	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.55	UG/L	1.0			Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP
Sample Number: VBLK5C	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.50	UG/L	1.0	U	UJ	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.50	UG/L	1.0	U	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP
Sample Number: VBLK5E	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.36	UG/L	1.0	J	J	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.24	UG/L	1.0	J	J	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP
Sample Number: VBLK72	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.50	UG/L	1.0	U	U	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.46	UG/L	1.0	J	J	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	UJ	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.11	UG/L	1.0	J	J	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP
Sample Number: VBLK74	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.50	UG/L	1.0	U	U	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	0.26	UG/L	1.0	J	J	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.13	UG/L	1.0	J	J	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.092	UG/L	1.0	J	J	Yes	
1,2,3-Trichlorobenzene	0.11	UG/L	1.0	J	J	Yes	

Case No: 43075	Contract: EPW11031	SDG No: E2SG1	Lab Code: KAP
Sample Number: VHBLK01	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	0.50	UG/L	1.0	U	U	Yes	
Chloromethane	0.50	UG/L	1.0	U	U	Yes	
Vinyl chloride	0.50	UG/L	1.0	U	U	Yes	
Bromomethane	0.50	UG/L	1.0	U	U	Yes	
Chloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichlorofluoromethane	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UG/L	1.0	U	U	Yes	
Acetone	5.0	UG/L	1.0	U	U	Yes	
Carbon disulfide	0.50	UG/L	1.0	U	U	Yes	
Methyl acetate	0.50	UG/L	1.0	U	U	Yes	
Methylene chloride	1.0	UG/L	1.0	JB	U	Yes	
trans-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methyl tert-butyl ether	0.50	UG/L	1.0	U	U	Yes	
1,1-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
cis-1,2-Dichloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Butanone	5.0	UG/L	1.0	U	U	Yes	
Bromochloromethane	0.50	UG/L	1.0	U	U	Yes	
Chloroform	0.50	UG/L	1.0	U	U	Yes	
1,1,1-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Cyclohexane	0.50	UG/L	1.0	U	U	Yes	
Carbon tetrachloride	0.50	UG/L	1.0	U	U	Yes	
Benzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloroethane	0.50	UG/L	1.0	U	U	Yes	
Trichloroethene	0.50	UG/L	1.0	U	U	Yes	
Methylcyclohexane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichloropropane	0.50	UG/L	1.0	U	U	Yes	
Bromodichloromethane	0.50	UG/L	1.0	U	U	Yes	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
cis-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
4-Methyl-2-pentanone	5.0	UG/L	1.0	U	U	Yes	
Toluene	0.50	UG/L	1.0	U	U	Yes	
trans-1,3-Dichloropropene	0.50	UG/L	1.0	U	U	Yes	
1,1,2-Trichloroethane	0.50	UG/L	1.0	U	U	Yes	
Tetrachloroethene	0.50	UG/L	1.0	U	U	Yes	
2-Hexanone	5.0	UG/L	1.0	U	U	Yes	
Dibromochloromethane	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromoethane	0.50	UG/L	1.0	U	U	Yes	
Chlorobenzene	0.50	UG/L	1.0	U	U	Yes	
Ethylbenzene	0.50	UG/L	1.0	U	U	Yes	
o-Xylene	0.50	UG/L	1.0	U	U	Yes	
m,p-Xylene	0.50	UG/L	1.0	U	U	Yes	
Styrene	0.50	UG/L	1.0	U	U	Yes	
Bromoform	0.50	UG/L	1.0	U	U	Yes	
Isopropylbenzene	0.50	UG/L	1.0	U	U	Yes	
1,1,2,2-Tetrachloroethane	0.50	UG/L	1.0	U	U	Yes	
1,3-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,4-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2-Dibromo-3-chloropropane	0.50	UG/L	1.0	U	U	Yes	
1,2,4-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	
1,2,3-Trichlorobenzene	0.50	UG/L	1.0	U	U	Yes	

Appendix E

WEBB WELL FIELD

Webb Well Field ESI Sample Field Sheets

(S-0005 / 020105) (S-0006 / 020106 VOAS N) (S-0007 / 020107)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

(S0008/020109 VOA Y) (S0009/020110) (S0010/020111 VOA Y)

PAGE _____ OF _____

SAMPLE FIELD SHEET *

B2

Site Name: **WEBB WELL FIELD SITE** County: Johnson

IDEM/OLQ Sample #: S1 Sample ID: E2SG4

Collection Date: 10-30-12 Time: 2 : 15 AM / PM

Sample Types (check all applicable): ☐ Mon. Well ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch

☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste

☐ Waste Pile ☒ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste

☐ Waste Liquid ☐ Sand ☐ Ash ☐ Trip Blank ☐ Field Blank ☐ Equipment Blank

☐ Background ☒ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers:

Volume	Material	Quantity	Preservative	Analysis
ENCORE		9		VOC
4 oz	GLASS	3		ap

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)

BORING #1 — WEST OF HURRICANE DR. 1 WEST OF B#2 / B#10

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: GEOPROBE

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)

GRAY TO BROWN — SAND SILTY CLAY TRACE-FINE to MEDIUM GRAVEL

Deviations from Sampling Plan: _____

Revision 09-11-00

Sampler Signature: [signature] **Date:** 10/30/12

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JAS- 020108 S-0001 S-0002

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

020108 2

SAMPLE FIELD SHEET *

Site Name: **WEBB WELL FIELD SITE** County: Johnson

IDEM/OLQ Sample #: S-2 Sample ID: E2SG2

Collection Date: 10-30-12 Time: 11 : 00 AM/ PM

Sample Types (check all applicable): ☐ Mon. Well ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch

☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste

☐ Waste Pile ☒ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste

☐ Waste Liquid ☐ Sand ☐ Ash ☐ Trip Blank ☐ Field Blank ☐ Equipment Blank

☐ Background ☐ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers:	Volume	Material	Quantity	Preservative	Analysis
		EnCore	3		VOCs
	4oz	% Solids	1		VOCs

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)

B2/S2 12ft

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: EnCore

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)

Light brown sandy clay, black, heavy odor-petroleum

Deviations from Sampling Plan: _____

Revision 09-11-00 **Sampler Signature:** Rick Multon **Date:** 10/30/12

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S-0011 | 020116
S-0012 | 020117

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: **WEBB WELL FIELD SITE** County: Johnson

IDEM/OLQ Sample #: S3 Sample ID: E2SH1

Collection Date: 10/31/12 Time: 10 : 00 AM / PM

Sample Types (check all applicable): ☐ Mon. Well ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch

☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste

☐ Waste Pile ☒ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste

☐ Waste Liquid ☐ Sand ☐ Ash ☐ Trip Blank ☐ Field Blank ☐ Equipment Blank

☐ Background ☐ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers:	Volume	Material	Quantity	Preservative	Analysis
		ENCORE	3		VOCs
	4 oz	% Solids	1		VOCs

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)

B3/S3 — 22'-23' Deep

15' NE FROM UTILITY POLE — FRANKLIN MACHINE PROPERTY

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: ENCORE / GEOPROBE

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)

22'-23' Deep — NO ODOR —

SANDY GRAVELY LOAM — LIGHT BROWN

Deviations from Sampling Plan: _____

Revision 09-11-00

Sampler Signature: [signature] **Date:** 10-31-12

* This form is for general use in OLQ sampling projects.

S0017 / 020125
S0018 / 020126

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: **WEBB WELL FIELD SITE** County: Johnson

IDEM/OLQ Sample #: S-4 Sample ID: E2SH7

Collection Date: 10/31/12 Time: 2 : 00 AM / PM

Sample Types (check all applicable): ☐ Mon. Well ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch

☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste

☐ Waste Pile ☒ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste

☐ Waste Liquid ☐ Sand ☐ Ash ☐ Trip Blank ☐ Field Blank ☐ Equipment Blank

☐ Background ☐ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers:	Volume	Material	Quantity	Preservative	Analysis
		ENCORE	3		VOCs
	4 oz	% Solids	1		VOCs

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)

B4 | S4, ~~3~~ 17ft

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: ENCORE, GEOPROBE

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)

Dark gray gravelly sand

Deviations from Sampling Plan: _____

Revision 09-11-00

Sampler Signature: Amanda E Mt **Date:** 10/31/12

* This form is for general use in OLQ sampling projects.

S0023 | 020135
S0024 | 020136

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: **WEBB WELL FIELD SITE** County: Johnson E2SJ5
IDEM/OLQ Sample #: S-5 Sample ID: ~~E2SJ5~~
Collection Date: 11·1·12 Time: 11 : 45 AM / PM

Sample Types (check all applicable): ☐ Mon. Well ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch

☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste
☐ Waste Pile ☒ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste
☐ Waste Liquid ☐ Sand ☐ Ash ☐ Trip Blank ☐ Field Blank ☐ Equipment Blank
☐ Background ☐ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers: Volume	Material	Quantity	Preservative	Analysis
	ENCORE	3	—	VOC
4 oz	GLASS	2	—	% SOLIDS

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)
Boring B5 — Soil S-5
10.5' – 11.5' Deep

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: _____

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)
~~FINE SAND LOAMY SAND~~ VERY FINE SAND
YELLOWISH BROWN — NO ODOR -

Deviations from Sampling Plan: SOUTH OF B-6/B-9 DUP LOCATION

Revision 09-11-00 **Sampler Signature:** [signature] **Date:** 11·1·12

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S0019 / 020129
S0020 / 020130

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: **WEBB WELL FIELD SITE** County: Johnson
IDEM/OLQ Sample #: E2SJ1 Sample ID: B6 – S6
Collection Date: 11-1-12 Time: 10 : 00 (AM)/ PM

Sample Types (check all applicable): ☐ Mon. Well ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch

☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste
☐ Waste Pile ☒ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste
☐ Waste Liquid ☐ Sand ☐ Ash ☐ Trip Blank ☐ Field Blank ☐ Equipment Blank
☐ Background ☐ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers:	Volume	Material	Quantity	Preservative	Analysis
		ENCORE	3	—	VOC
	4oz	GLASS	1		% SOLIDS

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)
BORING B-6 — 7.5' TO 8.5' DEPTH

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: ENCORE

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)
DARK GRAY SILTY LOAM
NO ODOR

Deviations from Sampling Plan: _____

Revision 09-11-00

Sampler Signature: [signature] **Date:** 11-1-12

* This form is for general use in OLQ sampling projects.

S0015 / 020123
S0016 / 020124

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: **WEBB WELL FIELD SITE** County: Johnson

IDEM/OLQ Sample #: S-7 Sample ID: E25H5

Collection Date: 10/31/12 Time: 12 : 45 AM / PM

Sample Types (check all applicable): ☐ Mon. Well ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch

☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste

☐ Waste Pile ☒ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste

☐ Waste Liquid ☐ Sand ☐ Ash ☐ Trip Blank ☐ Field Blank ☐ Equipment Blank

☐ Background ☐ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers:	Volume	Material	Quantity	Preservative	Analysis
		EnCore	3		VOCs
	4 oz	% Solids	1		VOCs

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)

B7/S7, 12ft, [redacted]

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: EnCore, Geoprobe

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)

Dark Yellow Brown, Loamy Coarse Sand

Deviations from Sampling Plan: _____

Revision 09-11-00

Sampler Signature: Amanda Elliott **Date:** 10/31/12

* This form is for general use in OLQ sampling projects.

S0013 | 020120
S0014 | 020121

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: **WEBB WELL FIELD SITE** County: Johnson

IDEM/OLQ Sample #: S8 Sample ID: E2SH3

Collection Date: 10/31/12 Time: 11 : 30 (AM) / PM

Sample Types (check all applicable): ☐ Mon. Well ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch

☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste

☐ Waste Pile ☒ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste

☐ Waste Liquid ☐ Sand ☐ Ash ☐ Trip Blank ☐ Field Blank ☐ Equipment Blank

☐ Background ☐ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers:	Volume	Material	Quantity	Preservative	Analysis
		ENCORE	3		VOCs
	4oz	% Solids	1		VOCs

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)

B8/S8, 11-12ft, medium to coarse sand, gray

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: ENCORE

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)

Deviations from Sampling Plan:

Revision 09-11-00

Sampler Signature: Amanda E Mitz **Date:** 10/31/12

* This form is for general use in OLQ sampling projects.

S0021 / 020132
S0022 / 020133

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: **WEBB WELL FIELD SITE** County: Johnson

IDEM/OLQ Sample #: E2SJ3 Sample ID: B-9 - S9

Collection Date: 11-1-12 Time: 10 : 00 AM / PM

Sample Types (check all applicable): ☐ Mon. Well ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch

☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste

☐ Waste Pile ☒ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste

☐ Waste Liquid ☐ Sand ☐ Ash ☐ Trip Blank ☐ Field Blank ☐ Equipment Blank

☐ Background ☐ MS/MSD ☒ Duplicate of E2SJ1 ☐ Other _____

Containers: Volume	Material	Quantity	Preservative	Analysis
	ENCORE	3	—	VOC
4oz	GLASS	1	—	% SOLIDS

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)

B-9 ~ DUPLICATE OF B-6 7.5' TO 8.5'
S-9/S-6

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: _____

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)

DARK GRAY SILTY LOAM
NO ODOR

Deviations from Sampling Plan: _____

Revision 09-11-00

Sampler Signature: [signature] **Date:** 11-1-12

* This form is for general use in OLQ sampling projects.

S-0003 / 020101 S-0004 / 020103

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: **WEBB WELL FIELD SITE** County: Johnson
IDEM/OLQ Sample #: S-10 Sample ID: E2SG3
Collection Date: 10-30-12 Time: 12 : 15 AM / PM

Sample Types (check all applicable): ☐ Mon. Well ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch

☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste
☐ Waste Pile ☒ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste
☐ Waste Liquid ☐ Sand ☐ Ash ☐ Trip Blank ☐ Field Blank ☐ Equipment Blank
☐ Background ☐ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers: Volume	Material	Quantity	Preservative	Analysis
	ENCORE	3		VOCs
4 oz	% Solids	1		VOCs

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)
B10/S10

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: ENCORE

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)
LIGHT BROWN MEDIUM SAND / MED TO COARSE GRAVEL —

Deviations from Sampling Plan: New location – formerly B2, 100 ft from B2

Revision 09-11-00 **Sampler Signature:** Amanda E Mft **Date:** 10/30/12

* This form is for general use in OLQ sampling projects.

GW0003/020113 N
GW0004/020114 Y
GW0005/020115 Y

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: **WEBB WELL FIELD SITE** County: Johnson
IDEM/OLQ Sample #: GW-1 Sample ID: E2SG5
Collection Date: 10-30-12 Time: 2 : 30 AM / PM

Sample Types (check all applicable): ☒ Mon. Well (GRAB) ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch
☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Indnstrial Waste
☐ Waste Pile ☐ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste
☐ Waste Liquid ☐ Sand ☐ Ash ☐ Trip Blank ☐ Field Blank ☐ Equipment Blank
☐ Background ☒ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers:	Volume	Material	Quantity	Preservative	Analysis
	40ML	GLASS	9	HCL	VOC

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)
WEST OF HURRICANE DR
— BORING B1 — SAME AS SOIL S-1

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☒ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: _____

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)
Somewhat turbid -

Deviations from Sampling Plan: _____

Revision 09-11-00 **Sampler Signature:** [signature] **Date:** 10-30-12

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GW-0015 / 020139

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: **WEBB WELL FIELD SITE** County: Johnson
IDEM/OLQ Sample #: E2SJ7 Sample ID: GW-2
Collection Date: 11/01/12 Time: 1 : 30 AM (PM)

Sample Types (check all applicable): ☒ Grab Mon. Well ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch

☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste
☐ Waste Pile ☐ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste
☐ Waste Liquid ☐ Sand ☐ Ash ☐ Trip Blank ☐ Field Blank ☐ Equipment Blank
☐ Background ☐ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers:

Volume	Material	Quantity	Preservative	Analysis
4mL	Glass	3	HCl	VOAs

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)
GW-2 / B2 >13.5 – DEED

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☒ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: Geoprobe

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)
CLOUDY —

Deviations from Sampling Plan: Back in area of B2 due to inability to obtain H_2O previously (Possible UST / Oil contamination)

Revision 09-11-00 **Sampler Signature:** [signature] **Date:** 11/01/12

* This form is for general use in OLQ sampling projects.

GW-0006/020119

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: **WEBB WELL FIELD SITE** County: Johnson

IDEM/OLQ Sample #: GW-3 Sample ID: E2SH2

Collection Date: 10-31-12 Time: 10 : 35 AM / PM

Sample Types (check all applicable): ☒ Mon. Well (GRAB) ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch

☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste

☐ Waste Pile ☐ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste

☐ Waste Liquid ☐ Sand ☐ Ash ☐ Trip Blank ☐ Field Blank ☐ Equipment Blank

☐ Background ☐ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers:	Volume	Material	Quantity	Preservative	Analysis
	40ML	GLASS	3	HCL	VOA

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)

LOCATION BORING B#3 — 23'-25' DEEP

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☒ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: Geoprobe —

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)

~~CLOUDY SANDY LOAM / BROWN~~
LIGHT BROWN CLOUDY — SEDIMENT

Deviations from Sampling Plan: _____

Revision 09-11-00

Sampler Signature: [signature] **Date:** 10-31-12

* This form is for general use in OLQ sampling projects.

GW-0009 / 020128

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: **WEBB WELL FIELD SITE** County: Johnson

IDEM/OLQ Sample #: GW4 Sample ID: E2SH8

Collection Date: 10/31/12 Time: 2 : 20 AM / PM

Sample Types (check all applicable): ☒ Mon. Well (Grab) ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch

☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste

☐ Waste Pile ☐ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste

☐ Waste Liquid ☐ Sand ☐ Ash ☐ Trip Blank ☐ Field Blank ☐ Equipment Blank

☐ Background ☐ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers:	Volume	Material	Quantity	Preservative	Analysis
	4 mL	Glass	3	HCl	VOAs

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)

B4 / GW4, 12.5 ft

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☒ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: Geoprobe

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)

Cloudy, sediments, no odor

Deviations from Sampling Plan: _____

Revision 09-11-00

Sampler Signature: Amanda E Wf **Date:** 10/31/12

* This form is for general use in OLQ sampling projects.

GW0013 / 020137

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: **WEBB WELL FIELD SITE** County: Johnson
IDEM/OLQ Sample #: GW-5 Sample ID: E2SJ6
Collection Date: 11.1.12 Time: 12 : 15 AM / PM

Sample Types (check all applicable): ☒ Mon. Well ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch
☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste
☐ Waste Pile ☐ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste
☐ Waste Liquid ☐ Sand ☐ Ash ☐ Trip Blank ☐ Field Blank ☐ Equipment Blank
☐ Background ☐ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers:	Volume	Material	Quantity	Preservative	Analysis
	40 ML	glass	3	HCL	VOA

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)
Boring 5 ~ GW 5 12-13' deep

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☒ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: GEOPROBE GRAB ~ PERIPUMP

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)
CLEAR ~ NO ODOR

Deviations from Sampling Plan: SOUTH OF B-6/B-9 DUP LOCATION

Revision 09-11-00 **Sampler Signature:** [signature] **Date:** 11.1.12

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GW0011 / 020131

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: **WEBB WELL FIELD SITE** County: Johnson

IDEM/OLQ Sample #: E2SJ 2 Sample ID: B-6 — GW-6

Collection Date: 11-1-12 Time: 10 : 15 AM / PM

Sample Types (check all applicable): ☒ Mon. Well (GRAB) ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch

☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Slndge ☐ Sediment ☐ Industrial Waste

☐ Waste Pile ☐ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste

☐ Waste Liquid ☐ Sand ☐ Ash ☐ Trip Blank ☐ Field Blank ☐ Equipment Blank

☐ Background ☐ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers:

Volume	Material	Quantity	Preservative	Analysis
40 ML	GLASS	3	HCL	VOA

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)

BORING LOCATION — B-6
9.5' TO 10' DEEP

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☒ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: PERIPUMP

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)

CLEAR — NO ODOR — NO SOLIDS

Deviations from Sampling Plan: _____

Revision 09-11-00

Sampler Signature: [signature] **Date:** 11-1-12

* This form is for general use in OLQ sampling projects.

GW-0008/020122

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: **WEBB WELL FIELD SITE** County: Johnson

IDEM/OLQ Sample #: GW-7 Sample ID: E2SH10

Collection Date: 10/31/12 Time: 1 : 00 AM / PM

Sample Types (check all applicable): ☒ Grab Mon. Well ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch

☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste

☐ Waste Pile ☐ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste

☐ Waste Liquid ☐ Sand ☐ Ash ☐ Trip Blank ☐ Field Blank ☐ Equipment Blank

☐ Background ☐ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers:	Volume	Material	Quantity	Preservative	Analysis
	4 mL	Glass	3	HCl	VOAs

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)

B7/GW7, 12.6 ft

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☒ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: Geoprobe

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)

Clear, no odor

Deviations from Sampling Plan: _____

Revision 09-11-00

Sampler Signature: Amanda E Metz **Date:** 10/31/12

* This form is for general use in OLQ sampling projects.

GW-0007/020118

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: **WEBB WELL FIELD SITE** County: Johnson

IDEM/OLQ Sample #: GW8 Sample ID: E2SH4

Collection Date: 10/31/12 Time: 11 : 45 AM / PM

Sample Types (check all applicable): ☒ Mon. Well (Grab) ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch

☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste

☐ Waste Pile ☐ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste

☐ Waste Liquid ☐ Sand ☐ Ash ☐ Trip Blank ☐ Field Blank ☐ Equipment Blank

☐ Background ☐ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers:	Volume	Material	Quantity	Preservative	Analysis
	4mL	Glass	3	HCl	VOAs

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)

B8/GW8, 12.5 ft

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☒ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: Geoprobe

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)

Clear

Deviations from Sampling Plan: _____

Revision 09-11-00

Sampler Signature: Amanda E Metz **Date:** 10/31/12

* This form is for general use in OLQ sampling projects.

GW0017 | 020134

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: **WEBB WELL FIELD SITE** County: Johnson

IDEM/OLQ Sample #: E2SJ4 Sample ID: B-9 + GW-9

Collection Date: 11-1-12 Time: 0 : 15 (AM) / PM

Sample Types (check all applicable): ☒ Mon. Well GRAB ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch

☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste

☐ Waste Pile ☐ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste

☐ Waste Liquid ☐ Sand ☐ Ash ☐ Trip Blank ☐ Field Blank ☐ Equipment Blank

☐ Background ☐ MS/MSD ☒ Duplicate of GW-6 ☐ Other _____

Containers:

Volume	Material	Quantity	Preservative	Analysis
40 mL	GLASS	3	HCL	VOA

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)

B9 - DUPLICATE OF GW-6
9.5' on 10'

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☒ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: PERISTALTIC — GEOPROBE GRAB

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)

CLOUDY W/ SEDIMENT — LIGHT BROWN
NO ODOR

Deviations from Sampling Plan: ——

Revision 09-11-00

Sampler Signature: [signature] **Date:** 11-1-12

* This form is for general use in OLQ sampling projects.

GW0001 · 020104

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: **WEBB WELL FIELD SITE** County: Johnson

IDEM/OLQ Sample #: GW-10 Sample ID: E2SG1

Collection Date: 10-30-12 Time: 12 : 30 AM / PM

Sample Types (check all applicable): ☐ Mon. Well ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch

☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste

☐ Waste Pile ☐ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste

☐ Waste Liquid ☐ Sand ☐ Ash ☐ Trip Blank ☐ Field Blank ☐ Equipment Blank

☐ Background ☐ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers:

Volume	Material	Quantity	Preservative	Analysis
40 mL	Glass	3	HCl	VOA

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)

B10/GW10

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: _____

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)

Deviations from Sampling Plan: New location - formerly B2, 100 ft from B2

Revision 09-11-00

Sampler Signature: [signature] **Date:** 10/30/12

* This form is for general use in OLQ sampling projects.

GW90 / 0201287

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: WEBB WELLFIELD County: JOHNSON
IDEM/OLQ Sample #: ~~TRIP BLANK~~ GW 71 Sample ID: E2SH9
Collection Date: 10.31.12 Time: 3 : 15 ~~AM~~ PM

Sample Types (check all applicable): ☐ Mon. Well ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch
☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste
☐ Waste Pile ☐ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste
☐ Waste Liquid ☐ Sand ☐ Ash ☒ Trip Blank ☐ Field Blank ☐ Equipment Blank
☐ Background ☐ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers:

Volume	Material	Quantity	Preservative	Analysis
40ML	GLASS	3	HCL	VOC

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)
TRIP BLANK

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐ >5 well volumes.

Sampling Eqnipment Used: _____

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)

Deviations from Sampling Plan: _____

Revision 09-11-00 **Sampler Signature:** [signature] **Date:** 10.31.12

* This form is for general use in OLQ sampling projects.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

GW-0002/020112

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: **WEBB WELL FIELD SITE** County: Johnson

IDEM/OLQ Sample #: TRIP BLANK GW2D Sample ID: E2SHQ

Collection Date: 10-30 Time: 3 : 30 AM / ~~PM~~

Sample Types (check all applicable): ☐ Mon. Well ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch

☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste

☐ Waste Pile ☐ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste

☐ Waste Liquid ☐ Sand ☐ Ash ☒ Trip Blank ☐ Field Blank ☐ Equipment Blank

☐ Background ☐ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers:

Volume	Material	Quantity	Preservative	Analysis
40ML	GLASS	3	NONE	VOC
			HCl	

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)

NONE

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: _____

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)

TRIP BLANK FROM BOTTLED WATER (AQUAFINA)

Deviations from Sampling Plan: _____

Revision 09-11-00

Sampler Signature: [signature] **Date:** 10-30-12

* This form is for general use in OLQ sampling projects.

GW-0014 | 020138

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: WEBB WELLFIELD County: JOHNSON
IDEM/OLQ Sample #: EQUIP BLANK GW22 Sample ID: E2SK1
Collection Date: 11-1-12 Time: 12:30 AM/PM

Sample Types (check all applicable): ☐ Mon. Well ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch
☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste
☐ Waste Pile ☐ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste
☐ Waste Liquid ☐ Sand ☐ Ash ☐ Trip Blank ☐ Field Blank ☒ Equipment Blank
☐ Background ☐ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers:

Volume	Material	Quantity	Preservative	Analysis
40ML	glass	3	HCL	VOA

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)
EQUIPMENT BLANK TAKEN AFTER LAST BORING (B-5)

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: _____

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)
CLEAR – NO ODOR OR SEDIMENT

Deviations from Sampling Plan: —

Revision 09-11-00 **Sampler Signature:** [signature] **Date:** 11-1-12

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GW001/020140

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

PAGE _____ OF _____

SAMPLE FIELD SHEET *

Site Name: WEBB WELLFIELD
County: JOHNSON
IDEM/OLQ Sample #: E25G6
Sample ID: GW-23
Collection Date: 11-1-12
Time: 3 : 15 AM / PM

Sample Types (check all applicable): ☐ Mon. Well ☐ Res. Well ☐ Creek ☐ Leachate ☐ Ditch

☐ Drainage Tile ☐ Lagoon ☐ Pond ☐ Sludge ☐ Sediment ☐ Industrial Waste

☐ Waste Pile ☐ Soil ☐ Truck ☐ Solvent ☐ Oil ☐ Drummed Waste

☐ Waste Liquid ☐ Sand ☐ Ash ☒ Trip Blank ☐ Field Blank ☐ Equipment Blank

☐ Background ☐ MS/MSD ☐ Duplicate of _____ ☐ Other _____

Containers:

Volume	Material	Quantity	Preservative	Analysis
40 mL	glass	3	HCL	VOC

Sample Location Information: (location marker, depth taken, flow rate, vegetation damage, wildlife present, etc.)

TRIP BLANK

For Well Samples: Well purged less than ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 12 ☐ 24 ☐ 48 hours prior to sampling.
Purged to dryness? ☐ Yes ☐ No Approx. ☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐ >5 well volumes.

Sampling Equipment Used: _____

Field Test Performed	Result	Field Test Performed	Result

Sample Appearance and Observations: (color, odor, clarity, suspended solids, reaction to preservatives, etc.)

Deviations from Sampling Plan: _____

Revision 09-11-00

Sampler Signature: [signature] **Date:** 11-1-12

* This form is for general use in OLQ sampling projects.

Appendix F

WEBB WELL FIELD

Webb Well Field ESI Drilling Logs and Field Notes

PROJECT:

BORING LOG

BORING NO. B1	PROJECT NO. Webb Well Field	LOCATION	SHEET 1 OF
TIME START 1:30pm	DRILLING CONTRACTOR EDEM	DRILLING EQUIPMENT Geoprobe	DATE
TIME STOP	DRILLING CREW McIntyre	DRILLING METHOD Direct Push	SAMPLING METHOD
TOTAL DEPTH 15	BACKFILL MATERIAL Bentonite	WATER FIRST ENCOUNTERD 13' bgs	FINAL DEPTH TO WATER

DEPTH BELOW SURFACE	SAMPLER TYPE	SAMPLE NO.	INCHES DRIVEN/ RECOVERED	BLOWS PER 6 IN.	USCS	LOG OF MATERIAL
1						No Sample
2						
3						- Brown sandy silty clay w/ trace fine to medium angular gravel
4						
5						
6						Light Brown sandy silty clay w/ trace fine to medium gravel
7						
8						moist
9						
10						wet moist
1						No sample
2					▽	Wet
3						six inches of
4						* Grey to tan silty clay
5						- Gray sandy silty clay with fine to medium gravel
6						
7						
8						
9						

LOGGED BY: T. Weaver OFFICE: OLQ DATE: 10/30/12

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PROJECT:

BORING LOG

BORING NO. B2	PROJECT NO. Webb Well Field	LOCATION	SHEET 1 OF 1
TIME START 10:35 a.m.	DRILLING CONTRACTOR IDEM	DRILLING EQUIPMENT Geo Probe	DATE 10/30/12
TIME STOP	DRILLING CREW McIntire	DRILLING METHOD Direct Push	SAMPLING METHOD
TOTAL DEPTH 15'	BACKFILL MATERIAL Bentonite	WATER FIRST ENCOUNTERD 13'	FINAL DEPTH TO WATER

DEPTH BELOW SURFACE	SAMPLER TYPE	SAMPLE NO.	INCHES DRIVEN/ RECOVERED	BLOWS PER 6 IN.	USCS	LOG OF MATERIAL
						Top Soil - Dark brown
1						- light Brown Sandy/silty clay Trace fine rounded pebbles
2						
3						
4						
5						
6						
7						
8						moist light brown fine sand at 9' bgs
9						
10						
1						- light brown sandy clay
2						- Petroleum smell
3						▽ Wet - Potential product @ Water Table
4						- Black smearing on clay
5						
6						
7						
8						
9						

LOGGED BY: T. Weaver OFFICE: OLIQ DATE: 10/30/12

PROJECT:

BORING LOG

BORING NO. B2	PROJECT NO. Webb Well Field	LOCATION	SHEET 1 OF 1
TIME START 10:35 a.m.	DRILLING CONTRACTOR IDEM	DRILLING EQUIPMENT Geo Probe	DATE 10/30/12
TIME STOP	DRILLING CREW McIntire	DRILLING METHOD Direct Push	SAMPLING METHOD
TOTAL DEPTH 15'	BACKFILL MATERIAL Bentonite	WATER FIRST ENCOUNTERD 13'	FINAL DEPTH TO WATER

DEPTH BELOW SURFACE	SAMPLER TYPE	SAMPLE NO.	INCHES DRIVEN/ RECOVERED	BLOWS PER 6 IN.	USCS	LOG OF MATERIAL
						Top Soil - Dark Brown
1						- light Brown Sandy/silty clay Trace fine rounded pebbles
2						
3						
4						
5						
6						
7						
8						moist light brown fine sand at 9' bgs
9						
10						
1						- light brown sandy clay
2						- petroleum smell
3					▽	wet - Potential product @ Water Table
4						- Black smearing on clay
5						
6						
7						
8						
9						

LOGGED BY: J. Weaver OFFICE: OLIQ DATE: 10/30/12

BORING LOG

LOCATION Webb Well Field

DATE 10-31-12

WEATHER COND Overcast / 41°

BORING # B-3, DEPTH INTERVAL 0-18' STRAT ORDER 1 (Fill) concrete

BOUNDARY: top Surface, bottom Gradual

MATRIX COLOR Dark Yellow Brn 10YR3/6 moisture Moist

MOTTLING: abundance —, contrast —, size —, name —

TEXTURE Sandy Clay

STRUCTURE: grade Weak, class Fine, type Crumb

CONSISTENCE: moisture Moist, plasticity Very Friable, Stickiness Sl Sticky

REACTION: slight X, strong _____, violent _____ DNA

SPECIAL FEATURES/NOTES

Name Bob Martin

BORING LOG

LOCATION Webb Well Field

DATE 10-31-12

WEATHER COND Overcast / 40°

BORING # B-3, DEPTH INTERVAL 1.5-4.75 STRAT ORDER 2

BOUNDARY: top Gradual, bottom Sharp

MATRIX COLOR DK Yellowish Brn 10YR3/3, moisture S / moist

MOTTLING: abundance few, contrast faint, size fine, name —

TEXTURE Silt Loam

STRUCTURE: grade Massive, class —, type —

CONSISTENCE: moisture X, plasticity Very hard, Stickiness very sticky

REACTION: slight _____, strong _____, violent _____ None

SPECIAL FEATURES/NOTES

Name Bob Martin

BORING LOG

LOCATION Webb Well Field

DATE 10-31-12

WEATHER COND Overcast / 41°

BORING # B-3, **DEPTH INTERVAL** 4.75 17.5 **STRAT ORDER** 3

BOUNDARY: top Distinct, **bottom** Abrupt

MATRIX COLOR Strong Br 7.5 4/6, **moisture** moist

MOTTLING: abundance —, **contrast** —, **size** —, **name** —

TEXTURE Loamy Sand

STRUCTURE: grade Single Grain **class** —, **type** —

CONSISTENCE: moisture moist, **plasticity** very Flexible, **Stickiness** Sl sticky

REACTION: slight _____, **strong** _____, **violent** _____ None

SPECIAL FEATURES/NOTES

Name Bob Martin

BORING LOG

LOCATION Webb Well Field

DATE 10-31-12

WEATHER COND Overcast / 41'

BORING # B-3, DEPTH INTERVAL 17.5-23.5 STRAT ORDER 4

BOUNDARY: top Abrupt, bottom Distinct

MATRIX COLOR Drk Yellowish Br 10YR 4/6, moisture moist

MOTTLING: abundance many, contrast faint-Prominent, size fine-Coarse, name

TEXTURE Loamy Sand w gravel clasts 5-45mm

STRUCTURE: grade Single Grain, class —, type —

CONSISTENCE: moisture moist, plasticity V. Friable, Stickiness Sl Sticky

REACTION: slight, strong, violent None

SPECIAL FEATURES/NOTES

Soil Sample @ 23.5

water @ 24.25

Name Bob Martin

BORING LOG

LOCATION Webb Well Field

DATE 10-31-12

WEATHER COND Overcast/41°

BORING # B-3, DEPTH INTERVAL 23.5-25.0 STRAT ORDER 5

BOUNDARY: top Gradual, bottom —

MATRIX COLOR Brown 10YR 5/3, moisture wet

MOTTLING: abundance____, contrast ____, size ____, name ____

TEXTURE Gravelly - Sandy Loam clasts 2-50 mm

STRUCTURE: grade Single Grain class —, type —

CONSISTENCE: moisture wet, plasticity non plastic, Stickiness matrix sl sticky

REACTION: slight ____, strong ____, violent ____

SPECIAL FEATURES/NOTES

saturated

Name Bob Martin

BORING LOG

LOCATION Webb Well Field

DATE 10-21-12

WEATHER COND Overcast/41

BORING # B-4, DEPTH INTERVAL 0-1.0' STRAT ORDER I (Fill)

BOUNDARY: top Top, bottom gradual

MATRIX COLOR Light Gray 10YR 7/1, moisture moist

MOTTLING: abundance —, contrast —, size —, name —

TEXTURE Sand w/ Broken Concrete

STRUCTURE: grade Single Grain, class _____, type _____

CONSISTENCE: moisture moist, plasticity non coherent, stickiness non-sticky

REACTION: slight _____, strong X 0-1, violent _____

SPECIAL FEATURES/NOTES

Name Bob Martin

BORING LOG

LOCATION Webb Well Field

DATE 10-31-12

WEATHER COND Overcast / 40°

BORING # B-4, DEPTH INTERVAL 4.0-4.5 STRAT ORDER 2

BOUNDARY: top Gradual, bottom Gradual

MATRIX COLOR DK Grayish Brown 10YR 4/2, moisture moist

MOTTLING: abundance few, contrast faint, size fine, name dark Yellowish Brown

TEXTURE Clay Loam w/ small gravels

STRUCTURE: grade Moderate, class Medium, type Platy

CONSISTENCE: moisture moist, plasticity Very Friable, Stickiness Sl Sticky

REACTION: slight _____, strong _____, violent None from 4.0 - 4.5

SPECIAL FEATURES/NOTES
Water at 7.5'

Name Bob Martin

BORING LOG

LOCATION Webb Well Field

DATE 10-31-12

WEATHER COND Overcast/41

BORING # B-4 **, DEPTH INTERVAL** 4.5-7.5 **STRAT ORDER** 3

BOUNDARY: top gradual **, bottom** gradual

MATRIX COLOR DK Grayish Brn 10 YR 4/2 **, moisture** moist

MOTTLING: abundance — **, contrast** — **, size** — **, name** —

TEXTUREE Sandy Clay w/ 5% Granules

STRUCTURE: grade Moderate **, class** Fine **, type** sub angular

CONSISTENCE: moisture moist **, plasticity** very Friable **, stickiness** Sl sticky

REACTION: slight _____ **, strong** X **, violent** _____

SPECIAL FEATURES/NOTES

Soil Rangel at 17.0

Calcarious starting at 7.5 to bottom

Name _____

BORING LOG

LOCATION Webb Well Field

DATE 10-31-12

WEATHER COND Overcast

BORING # B-4, DEPTH INTERVAL 7.5-8.5 STRAT ORDER 4

BOUNDARY: top Gradual, bottom Distinct

MATRIX COLOR Brown 10YR 4/3, moisture moist

MOTTLING: abundance —, contrast —, size —, name —

TEXTURE Sandy Clay Loam

STRUCTURE: grade Massive class —, type —

CONSISTENCE: moisture moist, plasticity Plastic, Stickiness Sl Sticky

REACTION: slight _____, strong X, violent _____

SPECIAL FEATURES/NOTES
Transitions from oxidized to unoxidized

Name _____

2-20

BORING LOG

LOCATION _____

DATE _____

WEATHER COND _____

BORING # B-4, DEPTH INTERVAL 8.5-17.0 STRAT ORDER 5

BOUNDARY: top Gradual, bottom Gradual

MATRIX COLOR Brown 10YR4/3, moisture _____

MOTTLING: abundance —, contrast —, size —, name —

TEXTURE Sandy Clay w/ few coarse gravel < 5%

STRUCTURE: grade Massive, class _____, type _____

CONSISTENCE: moisture Moist, plasticity very Firm, stickiness Sl Sticky

REACTION: slight _____, strong X, violent _____

SPECIAL FEATURES/NOTES

Name _____

BORING LOG

LOCATION _____

DATE _____

WEATHER COND _____

BORING # B-4, DEPTH INTERVAL 17.0-20 STRAT ORDER 6

BOUNDARY: top Gradual, bottom _____

MATRIX COLOR Dark Gray (10 YR 5/1) Gravelly Sand, moisture moist

MOTTLING: abundance —, contrast —, size —, name —

TEXTURE Gravelly Sand

STRUCTURE: grade Single Grain, class —, type —

CONSISTENCE: moisture —, plasticity nonplastic, Stickiness non Sticky

REACTION: slight _____, strong X, violent _____

SPECIAL FEATURES/NOTES
Unoxidized towards bottom 10 YR 4/1
water at 17.5

Name _____

12:50 PM

BORING LOG

LOCATION Webb Well Field

DATE 11-1-12

WEATHER COND Sunny / 45

BORING # B-5, DEPTH INTERVAL _____ STRAT ORDER 1 (Fill)

BOUNDARY: top Top, bottom Gradual

MATRIX COLOR Brown 10YR 4/2, moisture moist

MOTTLING: abundance —, contrast —, size —, name —

TEXTURE Sandy clay w/ < 10 mm Rx frags (brick?)

STRUCTURE: grade weak, class Fine, type Sub Angular Block

CONSISTENCE: moisture moist, plasticity V. Friable, Stickiness Sl Sticky

REACTION: slight _____, strong X, violent _____

SPECIAL FEATURES/NOTES

Name Bob Martin

BORING LOG

LOCATION Webb Well Field

DATE 11-1-12

WEATHER COND Sunny/45

BORING #B-5, DEPTH INTERVAL 3.25 - 7.5 (5-6.5 No Recovery) STRAT ORDER 3

BOUNDARY: top Gradual, bottom Distinct

MATRIX COLOR Brown 10YR4/3, moisture moist

MOTTLING: abundance abundant, contrast Prominent, size _____, name Coarse

TEXTURE Sandy Clay Loam

STRUCTURE: grade moderate, class Medium, type Sub Angular Blocky

CONSISTENCE: moisture Moist, plasticity V. Friable, Stickiness _____

REACTION: slight _____, strong ✓ @ 7.0', violent _____

SPECIAL FEATURES/NOTES

Name Bob Martini

Soil Sample from
10 - 11

BORING LOG

LOCATION Webb Well Field

DATE 11-1-12

WEATHER COND Sunny / 45°

BORING # B-5, DEPTH INTERVAL 11.5 STRAT ORDER 5

BOUNDARY: top Distinct, bottom Distinct

MATRIX COLOR DK Yellowish Br 10 YR 4/4, moisture wet

MOTTLING: abundance —, contrast —, size —, name —

TEXTURE very Fine Sand w/ pebbles 5-10 m 10% @ 9.5 ft

STRUCTURE: grade single grain, class —, type —

CONSISTENCE: moisture wet, plasticity non plastic, Stickiness non sticky

REACTION: slight ____, strong ____, violent ✓

SPECIAL FEATURES/NOTES
Wet from 11.5 - 12.0

Name Bob Mattin

BORING LOG

LOCATION Webb Well Field

DATE 11-1-12

WEATHER COND Sunny / 45

BORING # B-5, DEPTH INTERVAL 13.5-15 STRAT ORDER 7

BOUNDARY: top Distinct, bottom Bottom

MATRIX COLOR Dark Yellowish Brown 10 YR 4/4, moisture wet

MOTTLING: abundance____, contrast ____, size ____, name ____

TEXTURE Sand fine - med

STRUCTURE: grade Single Grain, class —, type —

CONSISTENCE: moisture wet, plasticity non plastic, Stickiness non sticky

REACTION: slight ____, strong ____, violent ✓

SPECIAL FEATURES/NOTES

Name Bob Martin

10 AM

BORING LOG

LOCATION Webb Well Field

DATE 11-1-12

WEATHER COND 51 Overcast / 34°

BORING # B-6, DEPTH INTERVAL 0 - ____ STRAT ORDER 2 (Fill

BOUNDARY: top Top, bottom ____

MATRIX COLOR very DK grayish Brown 10YR 3/2, moisture moist

MOTTLING: abundance Many, contrast distinct, size med, name LT Brownish Gray

TEXTURE Sandy clay w/ rx frags < 50% < 5mm

STRUCTURE: grade weak, class fine, type Subangular Blky

CONSISTENCE: moisture moist, plasticity V Friable Stickiness sticky

REACTION: slight ____, strong X, violent ____

SPECIAL FEATURES/NOTES

Fill

Name Bob Illustrin

BORING LOG

LOCATION Webb Well Field

DATE 11-1-12

WEATHER COND SI Overcast / 34°

BORING # B-6, DEPTH INTERVAL 3.5-5.5 STRAT ORDER 3

BOUNDARY: top Gradual, bottom Gradual

MATRIX COLOR Grayish Brown 10YR 5/2, moisture moist

MOTTLING: abundance common, contrast distinct, size med, name Yellowish Brown 10 YR 5/6

TEXTURE Silty Clay

STRUCTURE: grade MASSIVE, class —, type —

CONSISTENCE: moisture moist, plasticity very small, Stickiness SI sticky

REACTION: slight _____, strong _____, violent _____

SPECIAL FEATURES/NOTES

Name Bob Martin

BORING LOG

LOCATION Webb Well Field

DATE 11-1-12

WEATHER COND S1 Overcast / 38°

BORING # B-6, DEPTH INTERVAL 7.0 - 7.75 STRAT ORDER 5

BOUNDARY: top Distinct, bottom

MATRIX COLOR Yellowish Brown 10 YR 5/6, moisture wet

MOTTLING: abundance —, contrast —, size —, name —

TEXTURE Sand

STRUCTURE: grade Single Grain, class —, type —

CONSISTENCE: moisture wet, plasticity non plastic Stickiness non sticky

REACTION: slight, strong, violent

SPECIAL FEATURES/NOTES

Saturated Sand Stringer

Calcarious From 7.0 ft down

Name Bob Martin

BORING LOG

LOCATION Webb Well Field

DATE 11-1-12

WEATHER COND 51 Overcast

BORING # B-6, DEPTH INTERVAL 9.5-15 STRAT ORDER 7

BOUNDARY: top Abrupt, bottom

MATRIX COLOR See below, moisture wet

MOTTLING: abundance Single Grain, contrast Massive, size Single Grain, name Massive

10 YR 6/2 | 10 YR 5/1 & 10 YR 5/3 | 10 YR 5/2 | 10 YR 5/1

TEXTURE 6" Sand / Silty Clay / Loamy Sand / Sandy Clay

9.5-10 / 10-11 / 11-15

STRUCTURE: grade Single Grain, class —, type —

CONSISTENCE: moisture wet, plasticity non-plastic, Stickiness non sticky

REACTION: slight, strong, violent

SPECIAL FEATURES/NOTES

Name Bob Weston

BORING LOG

LOCATION Webb Well Field

DATE 10-31-12

WEATHER COND Overcast / 41'

BORING # B-7, DEPTH INTERVAL 0 - 1.5' STRAT ORDER 1

BOUNDARY: top Top, bottom gradual

MATRIX COLOR Drk Grayish Brown 10YR 4/2, moisture moist

MOTTLING: abundance —, contrast —, size —, name None

TEXTURE Sandy Clay Loam

STRUCTURE: grade Week, class Very fine, type Crumbs

CONSISTENCE: moisture Moist, plasticity friable, Stickiness Sticky

REACTION: slight _____, strong 0 - 1 Leached to 7.6, violent _____

SPECIAL FEATURES/NOTES

Name _____

BORING LOG

LOCATION Webb Well Field

DATE 10-31-12

WEATHER COND Overcast/41

BORING # B-1, DEPTH INTERVAL 1.5-3.0 STRAT ORDER 2

BOUNDARY: top non distinct, bottom ~~nondistr~~ gradual

MATRIX COLOR _____, moisture _____

MOTTLING: abundance many, contrast distinct, size medium, name dark yellowish Brown

TEXTURE Silty clay

STRUCTURE: grade MASSIVE, class —, type —

CONSISTENCE: moisture moist, plasticity Firm, Stickiness Sticky

REACTION: slight _____, strong _____, violent _____

SPECIAL FEATURES/NOTES
Gray from 1.5 becoming red at 3.0

Name _____

BORING LOG

LOCATION Webb Well Field

DATE 10-31-12

WEATHER COND Overcast / 41°

BORING # B-1, DEPTH INTERVAL 3.0-7.25 STRAT ORDER 3

BOUNDARY: top Gradual, bottom

MATRIX COLOR Dark Yellowish Brown 10YR 4/6, moisture moist

MOTTLING: abundance, contrast, size, name

TEXTURE Sandy clay w/ fine gravels

STRUCTURE: grade massive, class —, type —

CONSISTENCE: moisture moist, plasticity very friable, Stickiness non sticky

REACTION: slight, strong, violent

SPECIAL FEATURES/NOTES

Roots
GW @ 12.5

Name

12:45

BORING LOG

LOCATION Webb Well Field

DATE 10-31-12

WEATHER COND Overcast/41

BORING # B-7, DEPTH INTERVAL 7.25-15.8 STRAT ORDER 4

BOUNDARY: top gradual, bottom Bottom

MATRIX COLOR Dark yellowish Brn 10 YR 4/4, moisture moist - wet

MOTTLING: abundance —, contrast —, size —, name —

TEXTURE Loamy Coarse Sand grading to fine Sand at bottom

STRUCTURE: grade Single Grain, class —, type —

CONSISTENCE: moisture moist, plasticity loose, Stickiness non sticky

REACTION: slight _____, strong _____, violent 7.5 - bottom Calcareous

SPECIAL FEATURES/NOTES

Name _____

BORING LOG

LOCATION Webb Well Field

DATE 10-31-12

WEATHER COND Overcast / 41°

BORING # 8-8, DEPTH INTERVAL 0-10' STRAT ORDER 1 Fill

BOUNDARY: top Surface, bottom gravel

MATRIX COLOR 10YR 6/3 moisture Moist

MOTTLING: abundance —, contrast —, size —, name —

TEXTURE Sand - fine

STRUCTURE: grade Single Grain class Very Fine, type Crumb

CONSISTENCE: moisture Moist, plasticity loose, Stickiness non Sticky

REACTION: slight _____, strong _____, violent _____

SPECIAL FEATURES/NOTES

Name Bob Martin

BORING LOG

LOCATION Webb Well Field

DATE 10-31-12

WEATHER COND Overcast/41°

BORING # B-8, DEPTH INTERVAL 1-3.25 STRAT ORDER 2

BOUNDARY: top gradual, bottom gradual

MATRIX COLOR yellowish Brown 10YR 5/4 moisture moist

MOTTLING: abundance common, contrast faint, size Medium, name Lt. Gray

TEXTURE Clay Loam

STRUCTURE: grade Massive, class ~~V. Fine~~ Coarse, type Pluthy

CONSISTENCE: moisture moist, plasticity V. Firm, Stickiness Sl Sticky

REACTION: slight _____, strong _____, violent _____

SPECIAL FEATURES/NOTES

Name Bob Martin

11:20

BORING LOG

LOCATION Webb Well Field

DATE 10-31-12

WEATHER COND Overcast / 41°

BORING # B-8, DEPTH INTERVAL 3.25-7.0 STRAT ORDER 3

BOUNDARY: top distinct, bottom gradual

MATRIX COLOR DK yellowish Brown 10YR 3/6, moisture moist

MOTTLING: abundance____, contrast ____, size ____, name None

TEXTURE Loamy med-coarse Sand

STRUCTURE: grade Single Grain class Very Fine, type cv umb

CONSISTENCE: moisture moist, plasticity non coherent, Stickiness nonsticky

REACTION: slight ____, strong ____, violent ____ None

SPECIAL FEATURES/NOTES

Name Bob Martin

BORING LOG

LOCATION Webb Well Field

DATE 10-31-12

WEATHER COND Overcast/41°

BORING # B-8, DEPTH INTERVAL 7.0-15 STRAT ORDER 4

BOUNDARY: top gradual, bottom and

MATRIX COLOR Gray 10YR 5/1, moisture moist

MOTTLING: abundance —, contrast —, size —, name None

TEXTURE Sand med-coarse

STRUCTURE: grade Single grain, class —, type —

CONSISTENCE: moisture moist, plasticity non coherent, Stickiness non-sticky

REACTION: slight _____, strong calcareous From 7' down, violent _____

SPECIAL FEATURES/NOTES

water at 12.5

Name Bob Martin

PROJECT:

BORING LOG

BORING NO. B10	PROJECT NO. Webb Well Field	LOCATION Near B2	SHEET 1 OF 1
TIME START 12pm	DRILLING CONTRACTOR DDEM	DRILLING EQUIPMENT Geoprobe	DATE 10/30/12
TIME STOP	DRILLING CREW McIntire	DRILLING METHOD Direct Push	SAMPLING METHOD
TOTAL DEPTH 20'	BACKFILL MATERIAL Bentonite	WATER FIRST ENCOUNTERD 14 Feet	FINAL DEPTH TO WATER

DEPTH BELOW SURFACE	SAMPLER TYPE	SAMPLE NO.	INCHES DRIVEN/ RECOVERED	BLOWS PER 6 IN.	USCS	LOG OF MATERIAL
1						- light brown sandy silty clay
2						↓
3						
4						- light brown clayey sand with fine to medium gravel
5						
6						- light brown fine sand w/ medium to coarse angular gravel
7						
8						- light brown sandy silty clay
9						
10						- light brown fine sand
1						↓
2						- light brown fine sand w/ medium to coarse angular gravel
3						
4					▽	↓ moist to wet
15						
6						- Well sorted tan + grey medium sand
7						
8						- Well sorted tan to grey fine sand
9						- Grey sandy silty clay w/ fine to medium gravel

LOGGED BY: T. Weaver OFFICE: OLC DATE: 10/30/12

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Appendix G

WEBB WELL FIELD

Indiana American Water Historic Sample Data

IN5241005-WEBB-VOC's.xls

Date	Source	VOC	Conc. PPB	MCL PPB
7/24/1989	Webb Plant Finished Water	cis-1,2-Dichloroethylene	2.8	70
11/3/1989	Webb Plant Finished Water	cis-1,2-Dichloroethylene	1	70
1/17/1990	Webb Plant Finished Water	cis-1,2-Dichloroethylene	1.2	70
4/25/1990	Webb Plant Finished Water	cis-1,2-Dichloroethylene	2.6	70
8/13/1990	Webb Plant Finished Water	cis-1,2-Dichloroethylene	8.7	70
2/4/1991	Webb Plant Finished Water	cis-1,2-Dichloroethylene	10.9	70
4/8/1991	Webb Plant Finished Water	cis-1,2-Dichloroethylene	6.1	70
7/17/1991	Webb Plant Finished Water	cis-1,2-Dichloroethylene	15.2	70
1/10/1992	Webb Plant Finished Water	cis-1,2-Dichloroethylene	19.9	70
2/27/1992	Webb Plant Finished Water	cis-1,2-Dichloroethylene	15.7	70
4/24/1992	Webb Plant Finished Water	cis-1,2-Dichloroethylene	17.8	70
7/9/1992	Webb Plant Finished Water	cis-1,2-Dichloroethylene	12.7	70
10/9/1992	Webb Plant Finished Water	cis-1,2-Dichloroethylene	20.6	70
7/6/1993	Webb Plant Finished Water	cis-1,2-Dichloroethylene	22.6	70
11/10/1993	Webb Plant Finished Water	cis-1,2-Dichloroethylene	26.2	70
2/8/1994	Webb Plant Finished Water	cis-1,2-Dichloroethylene	3	70
7/12/1994	Webb Plant Finished Water	cis-1,2-Dichloroethylene	2.9	70
1/13/1995	Webb Plant Finished Water	cis-1,2-Dichloroethylene	2.9	70
7/3/1995	Webb Plant Finished Water	cis-1,2-Dichloroethylene	4.1	70
10/6/1995	Webb Plant Finished Water	cis-1,2-Dichloroethylene	11	70
1/17/1996	Webb Plant Finished Water	cis-1,2-Dichloroethylene	6.9	70
7/7/1996	Webb Plant Finished Water	cis-1,2-Dichloroethylene	18	70
10/8/1996	Webb Plant Finished Water	cis-1,2-Dichloroethylene	2	70
1/14/1997	Webb Plant Finished Water	cis-1,2-Dichloroethylene	5.2	70
12/7/1999	Webb Plant Finished Water	cis-1,2-Dichloroethylene	0.5	70
1/17/2001	Webb Plant Finished Water	cis-1,2-Dichloroethylene	10.9	70
2/11/2001	Webb Plant Finished Water	cis-1,2-Dichloroethylene	13.8	70
3/18/2001	Webb Plant Finished Water	cis-1,2-Dichloroethylene	18.7	70
4/24/2001	Webb Plant Finished Water	cis-1,2-Dichloroethylene	1.3	70
8/28/2001	Webb Plant Finished Water	cis-1,2-Dichloroethylene	13.8	70
10/9/2001	Webb Plant Finished Water	cis-1,2-Dichloroethylene	11.6	70
2/11/2002	Webb Plant Finished Water	cis-1,2-Dichloroethylene	9.8	70
3/28/2002	Webb Plant Finished Water	cis-1,2-Dichloroethylene	13.3	70
12/17/2003	Webb Plant Finished Water	cis-1,2-Dichloroethylene	29.2	70
7/21/2004	Webb Plant Finished Water	cis-1,2-Dichloroethylene	22.3	70
5/18/2005	Webb Plant Finished Water	cis-1,2-Dichloroethylene	20.9	70
5/10/2006	Webb Plant Finished Water	cis-1,2-Dichloroethylene	60.5	70
1/27/1989	Webb Well 2	cis-1,2-Dichloroethylene	10.8	70
4/24/1992	Webb Well 2	cis-1,2-Dichloroethylene	0.7	70
7/9/1992	Webb Well 2	cis-1,2-Dichloroethylene	3.4	70
10/9/1992	Webb Well 2	cis-1,2-Dichloroethylene	7.8	70
1/28/1993	Webb Well 2	cis-1,2-Dichloroethylene	17	70
4/8/1993	Webb Well 2	cis-1,2-Dichloroethylene	17.1	70
7/6/1993	Webb Well 2	cis-1,2-Dichloroethylene	10.6	70
11/10/1993	Webb Well 2	cis-1,2-Dichloroethylene	13.6	70
2/8/1994	Webb Well 2	cis-1,2-Dichloroethylene	7.9	70
10/13/1994	Webb Well 2	cis-1,2-Dichloroethylene	45	70
1/13/1995	Webb Well 2	cis-1,2-Dichloroethylene	33	70
7/3/1995	Webb Well 2	cis-1,2-Dichloroethylene	5.7	70
10/6/1995	Webb Well 2	cis-1,2-Dichloroethylene	45	70
1/17/1996	Webb Well 2	cis-1,2-Dichloroethylene	17	70
4/19/1996	Webb Well 2	cis-1,2-Dichloroethylene	32	70
7/7/1996	Webb Well 2	cis-1,2-Dichloroethylene	21	70
11/15/1996	Webb Well 2	cis-1,2-Dichloroethylene	44	70
1/21/1997	Webb Well 2	cis-1,2-Dichloroethylene	39	70
4/9/1997	Webb Well 2	cis-1,2-Dichloroethylene	51	70
7/8/1997	Webb Well 2	cis-1,2-Dichloroethylene	55	70
7/17/2000	**Webb Well 2**	**cis-1,2-Dichloroethylene**	**77.8**	**70**
1/30/2001	Webb Well 2	cis-1,2-Dichloroethylene	53.7	70
8/28/2001	**Webb Well 2**	**cis-1,2-Dichloroethylene**	**121.9**	**70**
6/14/2006	Webb Well 2	cis-1,2-Dichloroethylene	25.2	70
8/1/2006	**Webb Well 2**	**cis-1,2-Dichloroethylene**	**106.4**	**70**
11/8/2006	Webb Well 2	cis-1,2-Dichloroethylene	24.3	70

1/23/2007	Webb Well 2	cis-1,2-Dichloroethylene	60	70
4/18/2007	Webb Well 2	cis-1,2-Dichloroethylene	38.4	70
7/25/2007	Webb Well 2	cis-1,2-Dichloroethylene	**96.2**	70
6/14/1988	Webb Well 3	cis-1,2-Dichloroethylene	5.9	70
8/10/1988	Webb Well 3	cis-1,2-Dichloroethylene	1.8	70
4/15/1989	Webb Well 3	cis-1,2-Dichloroethylene	10.9	70
9/18/1989	Webb Well 3	cis-1,2-Dichloroethylene	18.2	70
11/3/1989	Webb Well 3	cis-1,2-Dichloroethylene	27.6	70
1/17/1990	Webb Well 3	cis-1,2-Dichloroethylene	15.2	70
4/25/1990	Webb Well 3	cis-1,2-Dichloroethylene	32.3	70
8/13/1990	Webb Well 3	cis-1,2-Dichloroethylene	41.1	70
2/4/1991	Webb Well 3	cis-1,2-Dichloroethylene	59.9	70
4/8/1991	Webb Well 3	cis-1,2-Dichloroethylene	48.2	70
5/8/1991	Webb Well 3	cis-1,2-Dichloroethylene	49.5	70
7/17/1991	**Webb Well 3**	**cis-1,2-Dichloroethylene**	**71.4**	**70**
8/30/1991	**Webb Well 3**	**cis-1,2-Dichloroethylene**	**77.3**	**70**
1/10/1992	**Webb Well 3**	**cis-1,2-Dichloroethylene**	**109**	**70**
2/27/1992	**Webb Well 3**	**cis-1,2-Dichloroethylene**	**73.8**	**70**
4/24/1992	Webb Well 3	cis-1,2-Dichloroethylene	69.2	70
7/9/1992	Webb Well 3	cis-1,2-Dichloroethylene	64	70
10/9/1992	**Webb Well 3**	**cis-1,2-Dichloroethylene**	**89.9**	**70**
1/28/1993	**Webb Well 3**	**cis-1,2-Dichloroethylene**	**94.5**	**70**
4/8/1993	**Webb Well 3**	**cis-1,2-Dichloroethylene**	**80.6**	**70**
7/6/1993	**Webb Well 3**	**cis-1,2-Dichloroethylene**	**101**	**70**
11/10/1993	**Webb Well 3**	**cis-1,2-Dichloroethylene**	**97.2**	**70**
2/8/1994	**Webb Well 3**	**cis-1,2-Dichloroethylene**	**96.4**	**70**
10/13/1994	**Webb Well 3**	**cis-1,2-Dichloroethylene**	**81**	**70**
1/13/1995	**Webb Well 3**	**cis-1,2-Dichloroethylene**	**93**	**70**
7/3/1995	Webb Well 3	cis-1,2-Dichloroethylene	16	70
10/6/1995	Webb Well 3	**cis-1,2-Dichloroethylene**	**81**	**70**
1/17/1996	Webb Well 3	**cis-1,2-Dichloroethylene**	**95**	**70**
4/30/1996	Webb Well 3	**cis-1,2-Dichloroethylene**	**85**	**70**
7/7/1996	Webb Well 3	**cis-1,2-Dichloroethylene**	**83**	**70**
10/8/1996	Webb Well 3	**cis-1,2-Dichloroethylene**	**70**	**70**
1/21/1997	Webb Well 3	cis-1,2-Dichloroethylene	6.3	70
4/9/1997	Webb Well 3	cis-1,2-Dichloroethylene	6.5	70
7/8/1997	Webb Well 3	cis-1,2-Dichloroethylene	13.8	70
12/5/1999	Webb Well 3	cis-1,2-Dichloroethylene	61	70
7/17/2000	Webb Well 3	cis-1,2-Dichloroethylene	9.4	70
1/30/2001	Webb Well 3	cis-1,2-Dichloroethylene	2.9	70
8/28/2001	Webb Well 3	cis-1,2-Dichloroethylene	missing data	70
6/14/2006	Webb Well 3	**cis-1,2-Dichloroethylene**	**98.5**	**70**
8/1/2006	Webb Well 3	cis-1,2-Dichloroethylene	15.6	70
11/8/2006	Webb Well 3	**cis-1,2-Dichloroethylene**	**218.4**	**70**
1/23/2007	Webb Well 3	cis-1,2-Dichloroethylene	25.7	70
4/18/2007	Webb Well 3	cis-1,2-Dichloroethylene	38.4	70
7/25/2007	Webb Well 3	cis-1,2-Dichloroethylene	**75.1**	70
4/19/1996	Webb Well 5	cis-1,2-Dichloroethylene	4.3	70
7/7/1996	Webb Well 5	cis-1,2-Dichloroethylene	3.5	70
10/8/1996	Webb Well 5	cis-1,2-Dichloroethylene	0.7	70
11/8/2006	Webb Well 5	cis-1,2-Dichloroethylene	1.5	70
1/10/1992	Webb Plant Finished Water	trans-1,2-Dichloroethylene	0.6	100
2/27/1992	Webb Plant Finished Water	trans-1,2-Dichloroethylene	0.6	100
4/24/1992	Webb Plant Finished Water	trans-1,2-Dichloroethylene	0.9	100
7/9/1992	Webb Plant Finished Water	trans-1,2-Dichloroethylene	0.6	100
10/9/1992	Webb Plant Finished Water	trans-1,2-Dichloroethylene	1.1	100
7/6/1993	Webb Plant Finished Water	trans-1,2-Dichloroethylene	1	100
11/10/1993	Webb Plant Finished Water	trans-1,2-Dichloroethylene	1.6	100
7/7/1996	Webb Plant Finished Water	trans-1,2-Dichloroethylene	0.9	100
2/11/2001	Webb Plant Finished Water	trans-1,2-Dichloroethylene	0.6	100
3/18/2001	Webb Plant Finished Water	trans-1,2-Dichloroethylene	0.7	100
8/28/2001	Webb Plant Finished Water	trans-1,2-Dichloroethylene	0.6	100
3/28/2002	Webb Plant Finished Water	trans-1,2-Dichloroethylene	0.5	100
12/17/2003	Webb Plant Finished Water	trans-1,2-Dichloroethylene	1.5	100

7/21/2004	Webb Plant Finished Water	trans-1,2-Dichloroethylene	1.2	100
5/18/2005	Webb Plant Finished Water	trans-1,2-Dichloroethylene	10	100
5/10/2006	Webb Plant Finished Water	trans-1,2-Dichloroethylene	3.1	100
10/13/1994	Webb Well 2	trans-1,2-Dichloroethylene	0.8	100
10/6/1995	Webb Well 2	trans-1,2-Dichloroethylene	0.9	100
1/17/1996	Webb Well 2	trans-1,2-Dichloroethylene	0.6	100
4/19/1996	Webb Well 2	trans-1,2-Dichloroethylene	0.7	100
7/7/1996	Webb Well 2	trans-1,2-Dichloroethylene	0.5	100
11/15/1996	Webb Well 2	trans-1,2-Dichloroethylene	1.2	100
1/21/1997	Webb Well 2	trans-1,2-Dichloroethylene	1.1	100
4/9/1997	Webb Well 2	trans-1,2-Dichloroethylene	1.5	100
7/8/1997	Webb Well 2	trans-1,2-Dichloroethylene	1.9	100
7/17/2000	Webb Well 2	trans-1,2-Dichloroethylene	4.4	100
1/30/2001	Webb Well 2	trans-1,2-Dichloroethylene	2.8	100
8/28/2001	Webb Well 2	trans-1,2-Dichloroethylene	6.7	100
6/14/2006	Webb Well 2	trans-1,2-Dichloroethylene	2.6	100
8/1/2006	Webb Well 2	trans-1,2-Dichloroethylene	7.9	100
11/8/2006	Webb Well 2	trans-1,2-Dichloroethylene	1.8	100
1/23/2007	Webb Well 2	trans-1,2-Dichloroethylene	4.8	100
4/18/2007	Webb Well 2	trans-1,2-Dichloroethylene	3.1	100
7/25/2007	Webb Well 2	trans-1,2-Dichloroethylene	9.3	100
11/3/1989	Webb Well 3	trans-1,2-Dichloroethylene	0.8	100
4/25/1990	Webb Well 3	trans-1,2-Dichloroethylene	0.8	100
8/13/1990	Webb Well 3	trans-1,2-Dichloroethylene	1.3	100
2/4/1991	Webb Well 3	trans-1,2-Dichloroethylene	3.3	100
4/8/1991	Webb Well 3	trans-1,2-Dichloroethylene	1.6	100
5/8/1991	Webb Well 3	trans-1,2-Dichloroethylene	3.6	100
7/17/1991	Webb Well 3	trans-1,2-Dichloroethylene	4	100
8/30/1991	Webb Well 3	trans-1,2-Dichloroethylene	5.2	100
1/10/1992	Webb Well 3	trans-1,2-Dichloroethylene	5.8	100
2/27/1992	Webb Well 3	trans-1,2-Dichloroethylene	3.8	100
4/24/1992	Webb Well 3	trans-1,2-Dichloroethylene	5.4	100
7/9/1992	Webb Well 3	trans-1,2-Dichloroethylene	4.6	100
10/9/1992	Webb Well 3	trans-1,2-Dichloroethylene	6.3	100
1/28/1993	Webb Well 3	trans-1,2-Dichloroethylene	6.8	100
4/8/1993	Webb Well 3	trans-1,2-Dichloroethylene	5.9	100
7/6/1993	Webb Well 3	trans-1,2-Dichloroethylene	7.7	100
11/10/1993	Webb Well 3	trans-1,2-Dichloroethylene	7.1	100
10/13/1994	Webb Well 3	trans-1,2-Dichloroethylene	5.1	100
10/6/1995	Webb Well 3	trans-1,2-Dichloroethylene	8	100
1/17/1996	Webb Well 3	trans-1,2-Dichloroethylene	9.1	100
4/30/1996	Webb Well 3	trans-1,2-Dichloroethylene	6.2	100
7/7/1996	Webb Well 3	trans-1,2-Dichloroethylene	5.5	100
10/8/1996	Webb Well 3	trans-1,2-Dichloroethylene	5	100
4/9/1997	Webb Well 3	trans-1,2-Dichloroethylene	0.6	100
7/8/1997	Webb Well 3	trans-1,2-Dichloroethylene	1.1	100
12/5/1999	Webb Well 3	trans-1,2-Dichloroethylene	6.7	100
7/17/2000	Webb Well 3	trans-1,2-Dichloroethylene	1.1	100
8/28/2001	Webb Well 3	trans-1,2-Dichloroethylene	missing data	100
6/14/2006	Webb Well 3	trans-1,2-Dichloroethylene	8.3	100
8/1/2006	Webb Well 3	trans-1,2-Dichloroethylene	1.6	100
11/8/2006	Webb Well 3	trans-1,2-Dichloroethylene	15.7	100
1/23/2007	Webb Well 3	trans-1,2-Dichloroethylene	2.6	100
4/18/2007	Webb Well 3	trans-1,2-Dichloroethylene	3.5	100
7/25/2007	Webb Well 3	trans-1,2-Dichloroethylene	6	100
7/7/1996	Webb Well 5	trans-1,2-Dichloroethylene	0.5	100
10/8/1996	Webb Monitoring Well	Trichloroethylene	1	5
10/23/1996	Webb Monitoring Well	Trichloroethylene	3.3	5
1/21/1997	Webb Monitoring Well	Trichloroethylene	2.5	5
4/9/1997	**Webb Monitoring Well**	**Trichloroethylene**	**7.1**	**5**
7/8/1997	**Webb Monitoring Well**	**Trichloroethylene**	**13**	**5**

Drinking Water Branch

Non-Coliform Sample Results

Return Links

- Non-Coliform Samples
- Analyte List
- Water System Detail
- Water Systems
- Water System Search
- County Map

Glossary

Water System No. :	IN5241005	**Federal Type :**	C
Water System Name :	INDIANA AMERICAN WATER - JOHNSON COUNTY	**State Type :**	C
Principal County Served :	JOHNSON	**Primary Source :**	GW
Status :	A	**Activity Date :**	01-01-1976
Lab Sample No. :	RV-0602-03	**Collection Date :**	05-10-2006

Analyte Code	Analyte Name	Method Code	Less than Indicator	Level Type	Reporting Level	Concentration level	Monitoring Period Begin Date	Monitoring Period End Date
2378	1,2,4-TRICHLOROBENZENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2380	CIS-1,2-DICHLOROETHYLENE	524.2	N	MRL	.5 UG/L	60.5 UG/L	01-01-2005	12-31-2007
2955	XYLENES, TOTAL	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2964	DICHLOROMETHANE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2968	O-DICHLOROBENZENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2969	P-DICHLOROBENZENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2976	VINYL CHLORIDE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2977	1,1-DICHLOROETHYLENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2979	TRANS-1,2-DICHLOROETHYLENE	524.2	N	MRL	.5 UG/L	3.1 UG/L	01-01-2005	12-31-2007
2980	1,2-DICHLOROETHANE	524.2	Y	MDL	.5 UG/L	null	01-01-2005	12-31-2007
2981	1,1,1-TRICHLOROETHANE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2982	CARBON TETRACHLORIDE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2983	1,2-DICHLOROPROPANE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2984	TRICHLOROETHYLENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2985	1,1,2-TRICHLOROETHANE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2987	TETRACHLOROETHYLENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2989	CHLOROBENZENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2990	BENZENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2991	TOLUENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2992	ETHYLBENZENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2996	STYRENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007

Drinking Water Branch

Non-Coliform Sample Results

Return Links

- Non-Coliform Samples
- Analyte List
- Water System Detail
- Water Systems
- Water System Search
- County Map

Glossary

Water System No. :	IN5241005	**Federal Type :**	C
Water System Name :	INDIANA AMERICAN WATER - JOHNSON COUNTY	**State Type :**	C
Principal County Served :	JOHNSON	**Primary Source :**	GW
Status :	A	**Activity Date :**	01-01-1976
Lab Sample No. :	RV-2380032802	**Collection Date :**	03-28-2002

Analyte Code	Analyte Name	Method Code	Less than Indicator	Level Type	Reporting Level	Concentration level	Monitoring Period Begin Date	Monitoring Period End Date
2380	CIS-1,2-DICHLOROETHYLENE	524.2	N		0 null	13.3 UG/L	01-01-2002	12-31-2004

Total Number of Records Fetched = 1

Drinking Water Branch

Non-Coliform Sample Results

Return Links

- Non-Coliform Samples
- Analyte List
- Water System Detail
- Water Systems
- Water System Search
- County Map

Glossary

Water System No. :	IN5241005	**Federal Type :**	C
Water System Name :	INDIANA AMERICAN WATER - JOHNSON COUNTY	**State Type :**	C
Principal County Served :	JOHNSON	**Primary Source :**	GW
Status :	A	**Activity Date :**	01-01-1976
Lab Sample No. :	RV-2979032802	**Collection Date :**	03-28-2002

Analyte Code	Analyte Name	Method Code	Less than Indicator	Level Type	Reporting Level	Concentration level	Monitoring Period Begin Date	Monitoring Period End Date
2979	TRANS-1,2-DICHLOROETHYLENE	524.2	N		0 null	0.5 UG/L	01-01-2002	12-31-2004

Total Number of Records Fetched = 1

Appendix I

WEBB WELL FIELD

Amphenol Historical Record Search

7428 ROCKVILLE ROAD, INDIANAPOLIS, IN 46214

Historical Record Search
Industrial Area Northeast of the Former Amphenol Facility
Franklin, Indiana

IWM Consulting Group conducted an environmental historical study for an industrial area located northeast of the Former Amphenol Facility (Site) located in Franklin, Indiana. The objective of the study was to determine current and historical business usage of the industrial complex in order for a preliminary determination to be made regarding the possibility of operations having an adverse environmental affect on the nearby Indiana American Water Company Webb Well Field (Well Field).

IWM Consulting personnel reviewed readily available public files from the following locations:

- Johnson County Health Department (JCHD)
- Town of Franklin Public Library
- Johnson County, IN Museum of History
- The Indiana Department of Environmental Management
- Indiana State Archives
- Indiana Department of Transportation

The industrial area is currently occupied by numerous businesses offering varying commercial/industrial services and is located approximately 1,500 feet Northeast of the Site. The following sections summarize pertinent information discovered during the record search activities.

I. HISTORICAL AERIAL PHOTOGRAPHS

The following are descriptions of historical aerial photographs of the subject area, including the Site, the industrial area located Northeast of the Site, and the Well Field (located approximately 3,500 feet East/Northeast of the Site). Aerial photographs depicting the subject area were obtained from the Indiana State Archives (1936, 1941, 1956, 1962, and 1972), the Indiana Department of Transportation (1976, 1988, and 1998), and the Indiana Geological Survey web page (1998 and 2005).

<u>1936 8-8-36 FO-8-95</u>
The Site and the Well Field properties are vacant and appear to be utilized for agricultural purposes. A large industrial complex (exceeding approximately 100,000 square feet) is located Northeast of the Site, which consists of multiple industrial buildings. A railroad track is located along the north side of the industrial complex and is oriented in a southwest to northeast direction. Several smaller outbuildings appear to be present east and southeast of the larger industrial complex. A small "L" shaped building is present on

the north side of the railroad tracks and residential buildings appear to be present west/northwest of the "L" shaped building. Hurricane Road is present west of the site and appears to be the main access road to the industrial complex.

1941 9-11-41 FO-1B-146
The properties and structures appear largely unchanged from the 1936 Aerial Photograph with the exception of the following items:

- The existing industrial complex has been expanded to the east/northeast
- A small dirt access road leads northeast from the industrial complex and "dead ends" in an area that appears to be lacking vegetation. This area may have been utilized as a "dumping area", based on the lack of vegetation when compared to other areas of the industrial property
- Two man made ponds/lagoons are present east of industrial complex, along the east central portion of the industrial complex property

1956 6-5-56 FO-3R-180
The Site property remains vacant and appears to be used for agricultural purposes. An access road leading to a small building is now present on the Well Field property. A second building has been constructed east of the "L" shaped building located on the north side of the railroad tracks. The configuration of the main industrial complex building layout has changed slightly along the southern end through removal of one longer rectangular building and the addition of one smaller rectangular building. Additionally, a larger rectangular outbuilding has been constructed south of the larger industrial complex and the access road from Hurricane Road is more established. The man made ponds/lagoons are no longer present on the east central portion of the industrial complex property. Additionally, the access road leading northeast from the industrial complex to a possible "dumping area" is no longer present.

1962 9-18-62 FO-2CC-109
A facility has been constructed on the Site and the access road leading to a building on the Well Field property is still present and is more pronounced. The remaining properties from the 1956 description have not changed.

1972 9-20-72 A20 18081 172-255
A small commercial building (now Grimmer-Schmitt Compressors) has been constructed east/northeast of the Site, across Hurricane Road. The remaining properties from the 1962 description have not changed with the exception that it appears a new roof has been installed on about two-thirds of the main industrial complex buildings.

1976 8-30-76 41 6 94

The properties from the 1972 description have not changed with the exception that it appears additional portions of the roof have been replaced. Three above ground storage tanks (ASTs) appear to be present in the central portion of the property, along the south side of the main entrance and southwest of the southwestern outbuilding.

1988 9-27-88 41 No. 69

The commercial property (Grimmer-Schmitt Compressors) east of the Site, across Hurricane Road has expanded, and now consists of three buildings. The remaining surrounding properties from the 1976 description have not changed.

The main industrial complex shrinks in size due to the removal of several buildings along the eastern portion of the complex and the access roads on the property have been reconfigured. The area northeast of the industrial complex appears to be disturbed based on the apparent lack of vegetation now present in this area of the property. Eastview Drive has been constructed along the south side of the industrial complex.

1998 9-9-98

Eastview Drive is now present along the south side of the main industrial complex but the larger rectangular outbuilding south of the main industrial complex is located on the south side of Eastview Drive. One or two more commercial buildings have been constructed east of the large rectangular outbuilding, along the south side of Eastview Drive. A Golf Course is now present north of the railroad tracks and the industrial complex. Hundreds of vehicles are present on the east central portion of the main industrial complex property and this area of the property appears to be utilized as an automobile salvage yard. The remaining properties from the 1988 photograph have not changed.

2005

The automobiles are no longer present along the east central portion of the main industrial complex property. Two commercial buildings have been constructed in the southeast corner of the main industrial complex property, immediately south of the former automobile salvage yard. The buildings are located on the north side of Eastview Drive. All of the remaining properties from the 2005 photograph are similar to the 1998 photograph.

A copy of the 1936, 1941, 1956, 1962, 1972, 1998, and 2005 aerial photographs are included as Appendix A.

II. ENVIRONMENTAL & CITY DIRECTORY INFORMATION

The following information summarizes the addresses and current businesses located in the industrial complex located northeast of the Site.

Crossroads Recycling & Hurricane Road Industrial Development
100 Eastview Dr.

- No IDEM files or JCHD files found.

City Directory Information: The site and address was not listed from 1935-1990. This address is identified as being occupied by the Franklin Auto & Salvage Yard in 1994, 1998, and 2000. Cross Roads Recycling is identified as being present at this address in 1996, 1998, 2000, 2001, and 2007. Franklin Machine Shop was also identified as being present at this address in 1996.

Vacant Property
200 Eastview Dr.

- No IDEM files or JCHD files found.

City Directory Information: The site and address was not listed from 1935-1994. This address is identified as being occupied by J.E. Smith Trucking in 1996 and This and That Inside Flea Market in 2001. No listing was available for this address in 1998 and 2000 and the property is listed as being vacant in 2007.

Jesus Christ Latter Day Saints Church
201 Eastview Dr.

- No IDEM files or JCHD files found.

City Directory Information: The site and address was not listed from 1935-1994. This address is identified as being occupied by Jesus Christ Latter Day Saints Church in 1996, 1998, 2000, 2001, and 2007.

Reed Manufacturing Services
1050 Eastview Dr.

- No IDEM files or JCHD files found.

City Directory Information: The site was not listed from 1935-1998 and 2007. The site address is identified as Reed Manufacturing Service in 2000 and listed as RCO Reed Corporation (Screw Machine Products) in 2001. Although the site was not

listed in 2007, it should be noted that Reed Manufacturing Services still exists and is operational at the site in 2007.

Double S. Landscaping
1085 Eastview Dr.

- No IDEM files or JCHD files found.

City Directory Information: The site was not listed from 1935-2000 and was listed as Franklin Machine (machine auto shop) in 2001. Double S. Landscaping is listed for the address in 2007.

Veneer Services
1130 Eastview Dr.

- No IDEM files or JCHD files found.

City Directory Information: The site was not listed from 1935-2001 and was identified as Veneer Services in 2007.

All-Star Transmissions, Inc.
1134 Eastview Dr.

- No IDEM files or JCHD files found.

City Directory Information: The site was not listed from 1935-2001 and was identified as All-Stars Transmission Inc. in 2007.

Style Dance Academy
3585 Upper Shelbyville Rd.

- No IDEM files or JCHD files found

City Directory Information: The site was not listed from 1935-1998 and was identified as Four-K Equipment in 2000. The site is identified as Crescent Machinery Co. (heavy construction equipment rental) in 2001 and Style Dance Academy in 2007.

The City Directory information has been summarized in tabular format and is included as Appendix B.

III. HISTORICAL INFORMATION – INDUSTRIAL COMPLEX

A review of historical newspaper articles located in the Johnson County Historical Museum indicates that the industrial complex property was originally developed in 1893 as a canning factory. The business, named Franklin Canning Factory, canned peas, corn, and tomatoes. The operations and warehouse space was reportedly doubled in the early 1900's once the facility was acquired by a new owner. A fire occurred at the facility in approximately 1920. The facility was then acquired by the Hougland family in 1922 and was quickly repaired and the facility became fully operational. The facility was then called the Hougland Packing Company. The Hougland packing company employed 500 people to harvest and process approximately 1,400 acres of tomatoes and 3,000 acres of sweet corn, with smaller volumes of pumpkins. The Hougland Packing Co. thrived until 1953, when the business and facility was sold to Mr. Frank Cravens. It is reported that Mr. Cravens never processed any tomatoes.

IWM Consulting personnel reviewed readily available files pertaining to the industrial complex property and determined the multiple businesses identified in the City Directories prior to 1994 were listed with a general address of East Side – Hurricane Road. City Directory entries as far back as 1935 were located using this address identification. The City Directory review indicates that the property was occupied by Hougland Packing Company between 1935 and 1957. Various residences and industrial businesses (Johnson County Oil Co., Franklin Brokerage & Warehouse, Shell Oil Co, Cravens Truck Sales, Indiana Diecast Tool, Inc., and Johnson Crop Service) occupied the site for some length of time between 1957 and 1979. RCO Reed Corporation/RCO Reed Manufacturing Services is listed as occupying the site between 1980 and 1996. Franklin Transmission was also listed as occupying the site in 1981. No listings were available for this address description after 1996, which generally coincides with the City Directory listings for the current day addresses.

A Certified Sanborn® Map Report was obtained from Environmental Data Resources Inc. and provided seven (7) Sanborn Maps dated between 1886 and 1948. A review of the Sanborn Maps indicated the presence of the Franklin Canning Company in 1896, 1902, 1910, and 1916 and Hougland Packing Company in 1927 and 1948. The maps clearly identify the location of one (1) to three (3) onsite private groundwater wells used to supply water to the business. The maps in 1910 and 1916 indicate that Phoenix Chemicals are utilized onsite and display the location of several gasoline tanks and gasoline powered engines along the east side of the main building.

A copy of the pertinent articles obtained from the Johnson County, IN Museum of History is included in Appendix C and the Certified Sanborn® Map Report is included as Appendix D.

IV. CONCLUSION

Based on information discovered during the City Directory search, it appears that Mr. Cravens and his family operated several businesses out of this industrial complex, including the Johnson County Oil Co., Shell Oil Company (listed in 1959 and 1967), Franklin Brokerage & Warehouse Co., & Cravens Truck Sales (listed in 1959). Johnson Crop Service (listed in 1973-1978) and Indiana Diecast Tool, Inc. (listed in 1967) were also reportedly historically present at this property. In 1979, it appears that Mr. Cravens divested the property (or a portion thereof) as the property is consistently only occupied by RCO Reed Corporation/RCO Reed Manufacturing Service, which still operates at the property today.

In summary, the industrial complex located approximately 1,500 feet Northeast of the Site has been developed and used heavily by various types of industrial businesses since 1893. The industrial businesses were historically supplied with private water wells and septic fields for approximately 100 years and formerly utilized gasoline tanks and chemicals (per the reference to Phoenix Chemicals being onsite in the early 1910 and 1916). The 1941 Aerial Photograph clearly depicts two man made ponds/lagoons along the east central portion of the main industrial complex property and the ponds/lagoons are not present in subsequent aerial photographs starting in 1956 or the earlier photograph taken in 1936. The reason the man made ponds/lagoons were constructed and then subsequently filled in is unknown at this time. However, a possibility exists that the ponds/lagoons were once used as wastewater discharge points for the existing Hougland Packing Company. Additionally, it is likely that the former canning facility made and cleaned their own cans utilized during the canning operations.

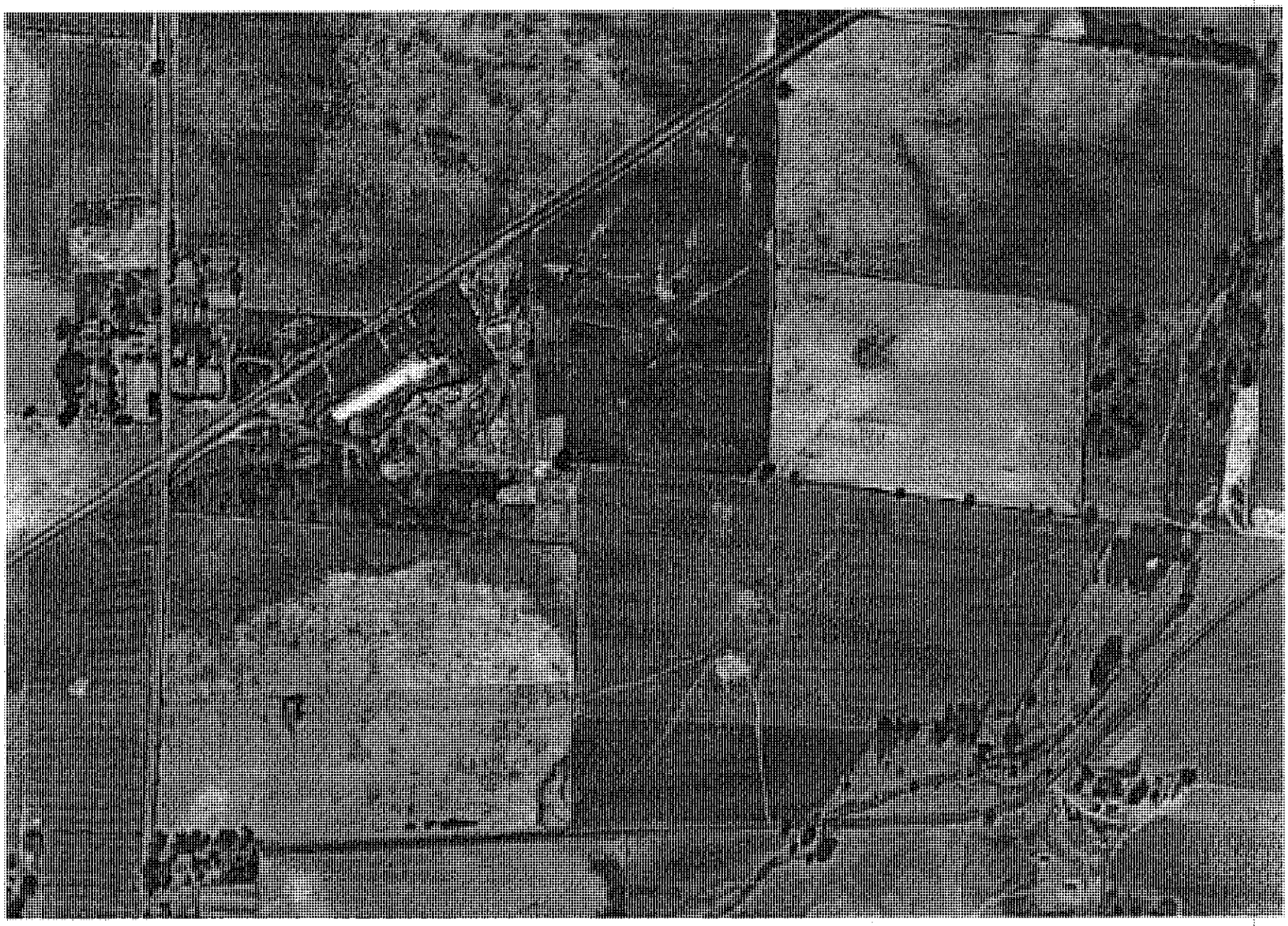
If you have any questions regarding the information summarized within this Historical Record Search document, please do not hesitate to contact IWM Consulting at 317-347-1111.

Sincerely,

Bradley E. Gentry, LPG.
Senior Project Manager

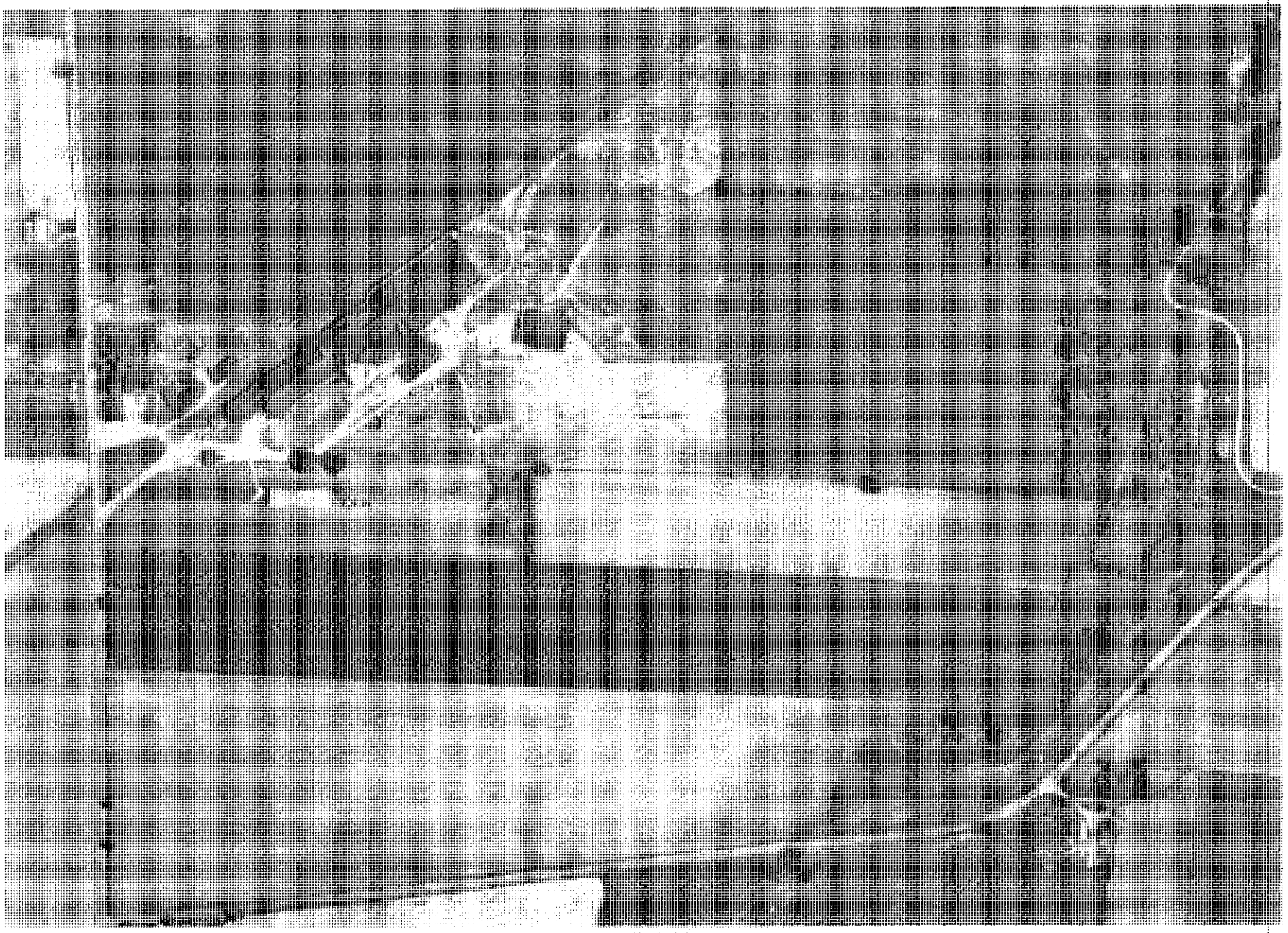
IWM CONSULTING GROUP

1936 Aerial Photograph

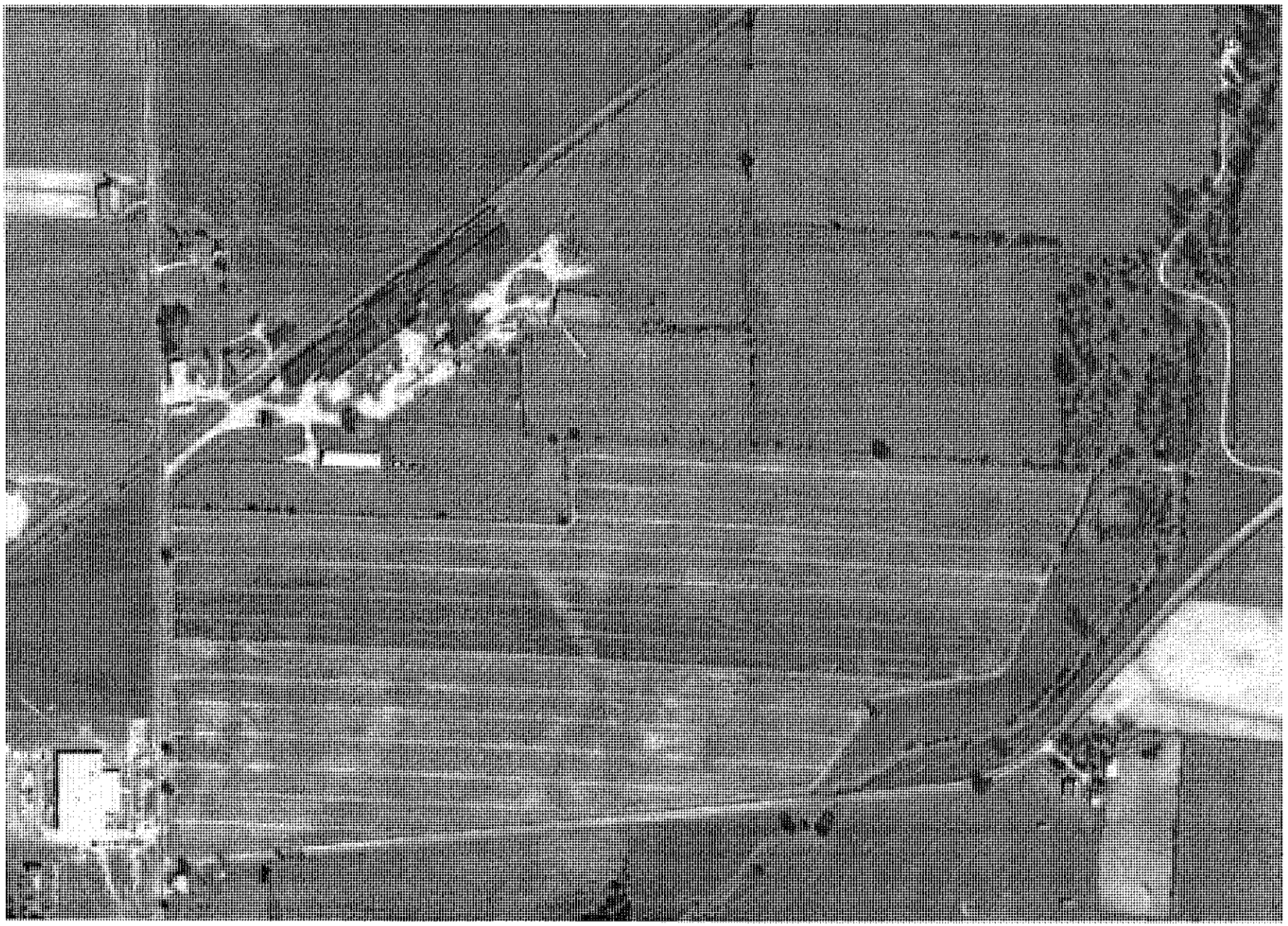


1941 Aerial Photograph

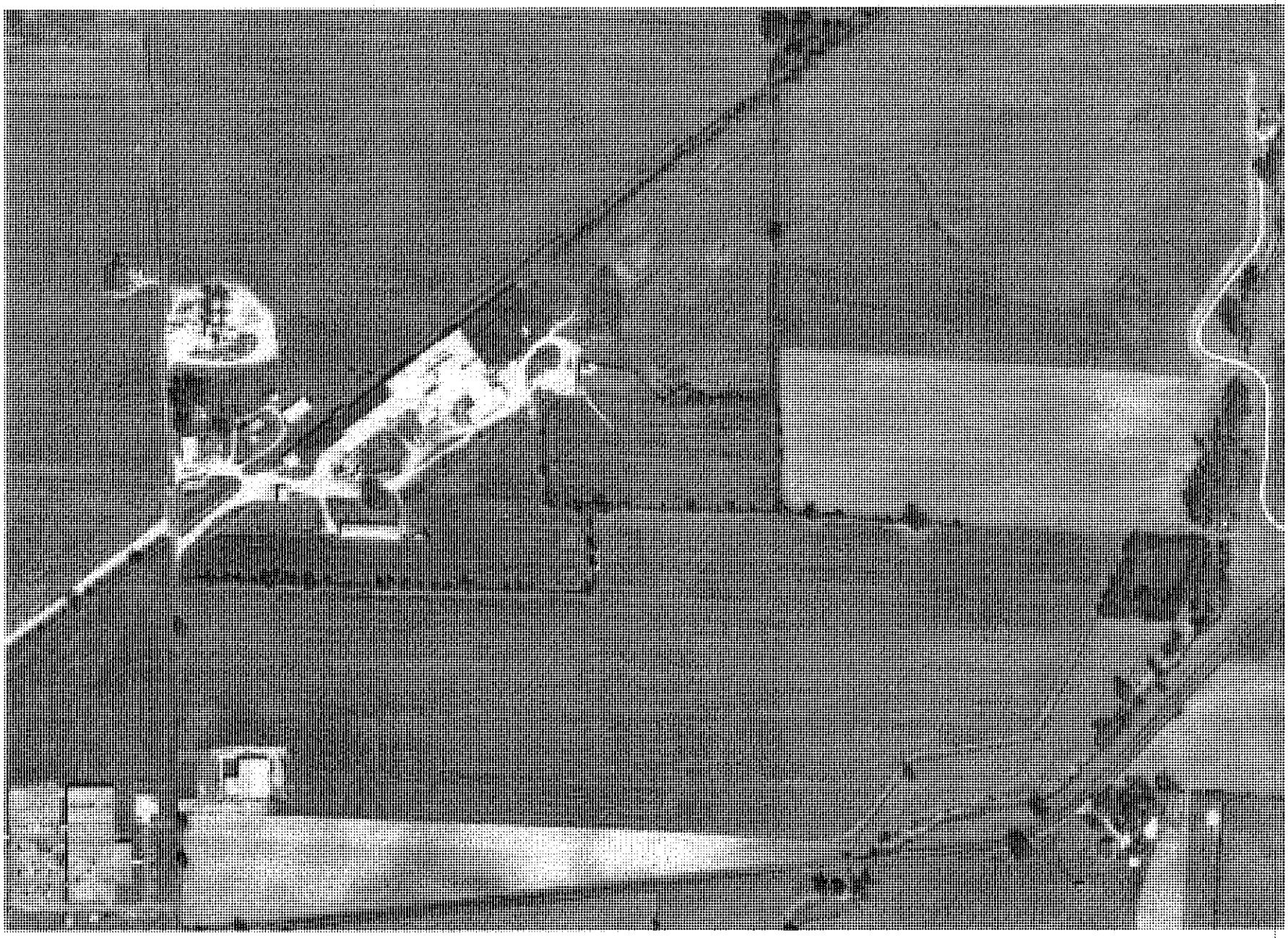
1956 Aerial Photograph

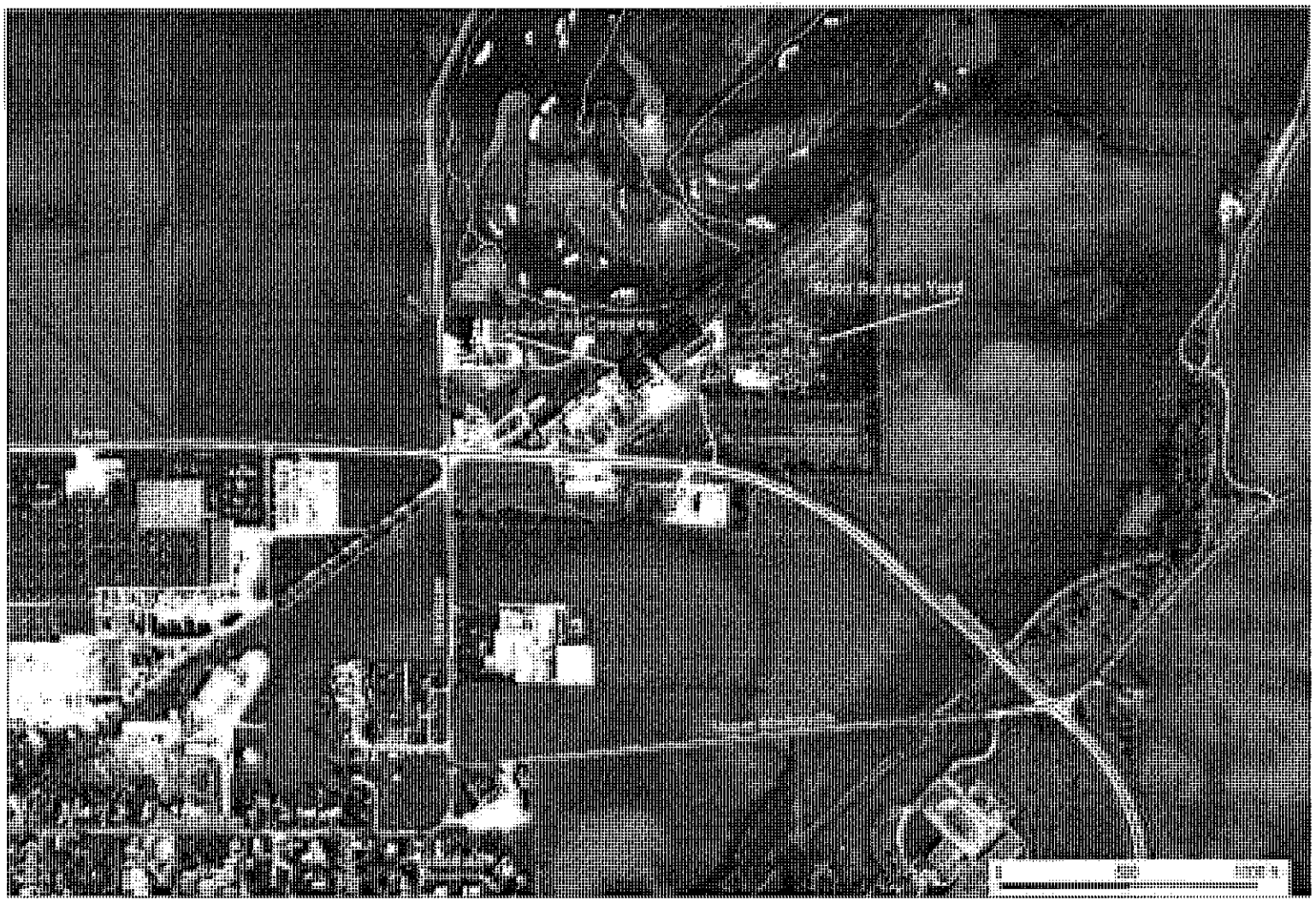


1962 Aerial Photograph



1972 Aerial Photograph





1998 Air Photo

Legend

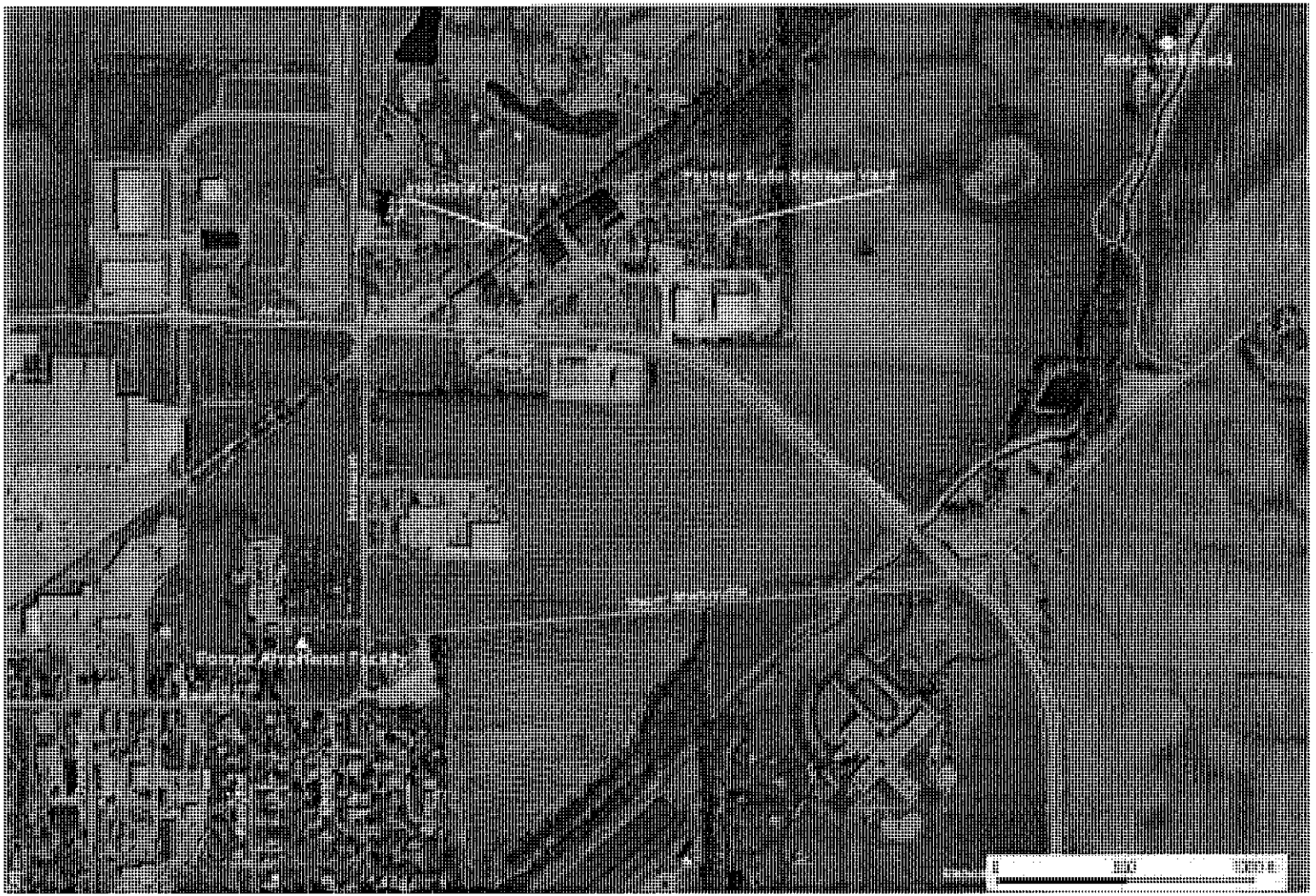
Counties

Roads (TeleAtlas- labeled)

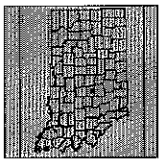
Scale 1:4800

This map was prepared by the Indiana Geological Survey, using data believed to be accurate; however, a margin of error is inherent in all maps. This product is distributed "AS-IS" without warranties of any kind, either expressed or implied, including but not limited to warranties of suitability of a particular purpose or use. There is no attempt in either design or production of this map to define the limits or jurisdiction of any federal, state or local government. A detailed on-the-ground survey and historical analysis of a single site may differ from this map.

Indiana Geological Survey



2005 Air Photo



Legend

Counties

Roads (TeleAtlas- labeled)

Scale 1:4800

This map was prepared by the Indiana Geological Survey, using data believed to be accurate; however, a margin of error is inherent in all maps. This product is distributed "AS-IS" without warranties of any kind, either expressed or implied, including but not limited to warranties of suitability of a particular purpose or use. There is no attempt in either design or production of this map to define the limits or jurisdiction of any federal, state or local government. A detailed on-the-ground survey and historical analysis of a single site may differ from this map.

Indiana Geological Survey

City Directory Property Address Listings
Industrial Area Northeast of the Former Amphenol Facility

ADDRESS		CITY DIRECTORY REVIEW				
East Side of Hurricane Road		2007	2001	2000	1998	1996
		Not Listed	Not Listed	Not Listed	Not Listed	RCO Reed Manufacturing Corp. Service
1994	1990	1985	1981	1980	1979	1978
RCO Reed Manufacturing Service	RCO Reed Corporation	RCO Reed Corporation	RCO Reed Corporation; Franklin Transmission	RCO Reed Corporation	Franklin Brokerage Company	Franklin Brokerage & Warehouse Co.; Johnson County Oil Co.; Johnson Crop Service
1973	1970	1967	1966	1959	1957	1935
Franklin Brokerage & Warehouse Co.; Johnson County Oil Co.; Johnson Crop Service	Franklin Brokerage & Warehouse Co.; Johnson County Oil Co.; & Moore, R.L..	Franklin Brokerage & Warehouse Co.; Johnson County Oil Co.; Shell Oil Co.; Indiana Diecast Tool Inc.; & Russell, C.H..	Not Listed	Davis, J.C.; Wyatt, Geo L.; Smith, J. W.; Moore, W.; Johnson County Oil Co.; Shell Oil Co.; Franklin Brokerage & Warehouse Co.; & Cravens Truck Sales	Davis, J.C.; Anderson, A. H.; Shelton, D.E..; Johnson County Oil Co.; Franklin Brokerage & Warehouse Co.; & Stokely-Van Kamp Inc. Warehouse	Hougland Packing Co.
75 Eastview Drive		2007	2001	2000	1998	1996
		Not Listed	Not Listed	Not Listed	Auto Metics	Auto Metics
1994	1990	1985	1981	1980	1979	1978
Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
1973	1970	1967	1966	1959	1957	1935
Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not listed
100 Eastview Drive		2007	2001	2000	1998	1996
		Cross Roads Recycling & Hurricane Road Industrial Development	Cross Roads Recycling & Hurricane Road Industrial Development	Cross Roads Recycling & Franklin Auto & Salvage	Cross Roads Recycling; Franklin Auto & Salvage; Hurricane Road Industrial Development	Cross Roads Recycling; Franklin Machine; Hurricane Road Industrial Development
1994	1990	1985	1981	1980	1979	1978
Franklin Auto & Salvage Inc.	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
1973	1970	1967	1966	1959	1957	1935
Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not listed

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City Directory Property Address Listings
Industrial Area Northeast of the Former Amphenol Facility

ADDRESS		CITY DIRECTORY REVIEW				
200 Eastview Drive		2007	2001	2000	1998	1996
		Vacant	This & That Inside Flea Market	Not Listed	Not Listed	J. E. Smith Trucking
1994	1990	1985	1981	1980	1979	1978
Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
1973	1970	1967	1966	1959	1957	1935
Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not listed
201 Eastview Drive		2007	2001	2000	1998	1996
		Jesus Christ Latter Day Saints Church	Jesus Christ Latter Day Saints Church	Jesus Christ Latter Day Saints Church	Jesus Christ Latter Day Saints Church	Church of Jesus Christ
1994	1990	1985	1981	1980	1979	1978
Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
1973	1970	1967	1966	1959	1957	1935
Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not listed
1050 Eastview Drive		2007	2001	2000	1998	1996
		Not Listed	RCO Reed Corporation	Reed Manufacturing Service	Not Listed	Not Listed
1994	1990	1985	1981	1980	1979	1978
Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
1973	1970	1967	1966	1959	1957	1935
Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not listed
1085 Eastview Drive		2007	2001	2000	1998	1996
		Double S. Landscaping	Franklin Machine	Not Listed	Not Listed	Not Listed
1994	1990	1985	1981	1980	1979	1978
Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
1973	1970	1967	1966	1959	1957	1935
Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not listed

IWM CONSULTING GROUP

City Directory Property Address Listings
Industrial Area Northeast of the Former Amphenol Facility

ADDRESS		CITY DIRECTORY REVIEW				
1130 Eastview Drive		2007	2001	2000	1998	1996
		Veneer Services	Not Listed	Not Listed	Not Listed	Not Listed
1994	1990	1985	1981	1980	1979	1978
Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
1973	1970	1967	1966	1959	1957	1935
Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not listed
1134 Eastview Drive		2007	2001	2000	1998	1996
		All-Star Transmissions, Inc.	Not Listed	Not Listed	Not Listed	Not Listed
1994	1990	1985	1981	1980	1979	1978
Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
1973	1970	1967	1966	1959	1957	1935
Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not listed
3585 Upper Shelbyville Road		2007	2001	2000	1998	1996
		Style Dance Academy	Crescent Machinery Co.	Four-K Equipment	Not Listed	Not Listed
1994	1990	1985	1981	1980	1979	1978
Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
1973	1970	1967	1966	1959	1957	1935
Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not listed

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Jom: Subj file
Jo Co Canneries

See also Polk Cannery, Greenwood

house.

Spring brings memories of county's once-great canning industry

It's April, and Johnson County — a longtime center of the Indiana tomato industry — is getting ready for another growing season.

But the crop this year won't be tomatoes. The days when farmers planted hundreds of acres and migrants moved in to harvest them for local canneries are long gone. From 1920 to about 1960, however, Johnson had one of the state's largest tomato-canning operations.

There were at least five canneries in the county. The Hougland plant and Morgan Packing were in Franklin, Hoosier Tomatoes was in Bargersville, and Rider's was in Trafalgar. There was also a plant in Whiteland, said Jack Rider, who was president of the Rider company and who still lives on Franklin Route 3.

The canneries would contract fields from local farmers, and planting would begin anywhere from April to the middle of May, said Leland Hougland, supervisor of the Hougland plant, who now lives at the Methodist Home.

The canneries hired both local people and migrant workers from Kentucky and Texas. The Hougland plant hired 500 workers, and Rider's around 300. The migrant workers did most of the picking while the local people worked in the plants, Rider said.

The Rider Plant had its own label — Red Gold.

"We of course weren't able to compete with the big names nationally, but we did very well in Louisville. There we outsold them all," Rider said.

Hougland said his plant processed mainly one type of tomato, in standard and extra-standard grades.

"Extra-standards were the larger, solid tomatoes, while the standards were what was left," he said.

The Hougland plant, on the northeast edge of Franklin, canned and made catsup out of its 1,400 acres of tomatoes. Most of the products went to Tennessee.

The Hougland plant started business in 1922, when Hougland, two of his brothers, two uncles and an in-law bought a tomato plant that had burned in 1920. Leland was superintendent of the plant until 1953, when the Houglands sold out to Frank Cravens. Cravens never processed any tomatoes, Hougland said.

Besides canning tomatoes, the Hougland plant also processed 3,000 acres of sweet corn and some pumpkins.

The Rider plant was started in 1929 by Jack Rider's father. The plant canned Rutgers tomatoes and a variety called Indiana Baltimore, developed by Purdue.

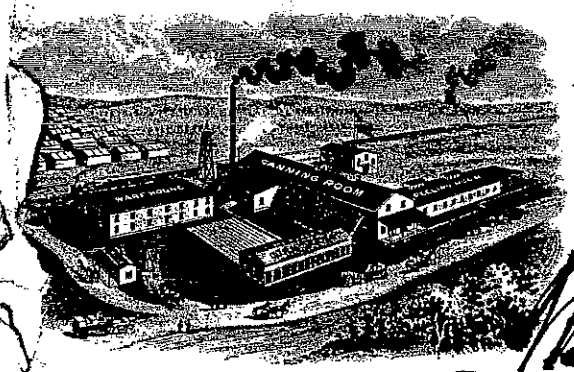
Rider was president of the plant when it stopped canning tomatoes in 1969, but he didn't sell the business until 1972. After he quit processing tomatoes, Rider packed Hi-C fruit drinks. When he started packing over two million cases of Hi-C a year, he said, he decided to get out of tomatoes.

The tomato industry in Johnson County was in full swing during the 1940s, but declined during the 1950s. Rider said that in 1947 there were 246 tomato canneries in Indiana; today, he said, there are no more than 15.

An automatic tomato picker and a change in the type of tomato produced were two of the big reasons for the decline, Rider said.

California is now the biggest tomato-producing state. Rider said he went to a California tomato-growing area, and what he saw convinced him that Indiana tomatoes couldn't compete.

IF NOT CALLED FOR IN 5 DAYS RETURN TO



THE FRANKLIN CANNING CO.
FRANKLIN, IND.

FRANKLIN IND.
JUN 23
10 30 AM
1900

Mr Chas Ferguson
Southport.
Ind.

THE EVENING STAR
FRANKLIN, INDIANA
JULY 9, 1905

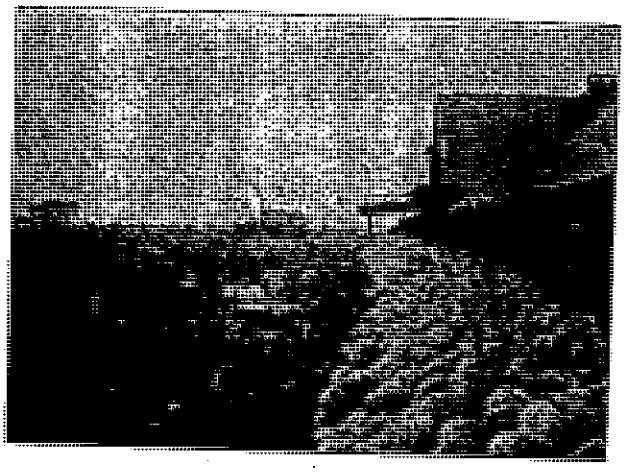
RLD'S LARGEST PACKER

, Peas and Tomatoes is Graf- Johnson, Owner of Franklin ry—Owns and Manages Eight ries in Leading Indiana Cities.

LYMAN E. OTT.

The Franklin Canning Company, which is now owned and operated by Grafton Johnson, of Greenwood, was first conceived by E. P. Randell, of this city, who interested a number of local business men and organized the company in 1893. The erection of the first building was begun in March of 1893 and the first pack was begun on June 10th of the same year. The business was conducted by this company for about seven years when it was sold to Grafton Johnson, the present owner. The first officers of the company were E. P. Randell, president; Lyman E. Ott, vice-president; Arthur A. Alexander, secretary, and E. C. Miller, treasurer. Since the plant was purchased by Mr. Johnson he has retained Dr. Ott as president of the company and of the original organizers Dr. Ott is the only one now connected with the company.

Grafton Johnson, owner of the Franklin Canning Company, is a resident of Greenwood, a town ten miles north of Franklin, where he was (and still is) engaged in the banking business at the time he entered the canning business about eight years ago. His rise in this business during the past eight years has been almost phenomenal, as he is now ranked as the largest individual packer of peas, corn and tomatoes in the world. At the present time he owns eight canning factories in the following cities: Franklin, Whiteland, Noblesville, Tipton, Shelbyville, Kokomo and Anderson. Each of the above named factories is among the largest of its kind in the United States and over each Mr. Johnson has personal supervision. Since coming into possession of the Franklin factory Mr. Johnson has doubled its packing and ware-house facilities and as a result of these improvements the force of employees of the factory and the acreage of corn and peas were also doubled. The local factory has been of almost inestimable benefit to Franklin and Johnson county. At the time of its organization thirteen years ago there were over one hundred vacant dwelling houses in the city of Franklin. At the present time there is scarcely a single vacant house. Thousands of dollars are paid out to Franklin people and Johnson county farmers annually by Mr. Johnson and during the canning season the great benefits derived from the factory are plainly felt by Franklin business men.



RECEIVING PUMPKINS AT FRANKLIN CANNING FACTORY.

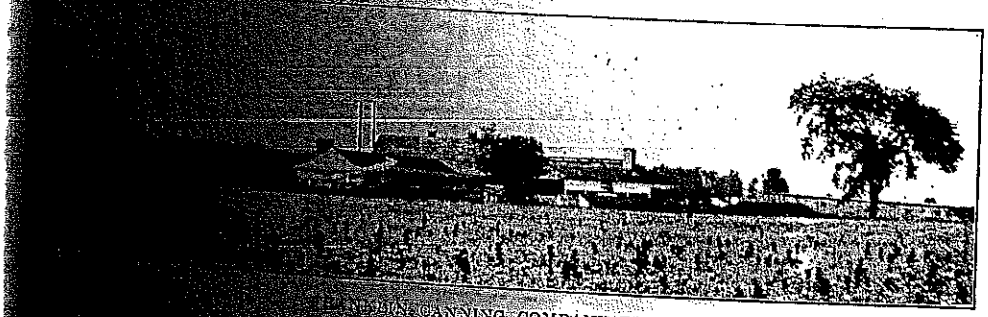
GRAFTON JOHNSON.

Although a resident of Greenwood, Mr. Johnson has always been regarded by Franklin people as belonging to this city, as the local factory was one of his first ventures in the canning business. He is also an alumnus of Franklin College and is now serving his second term as a member of the college board. He also served one term as president of the college alumni association.

The great success which Grafton Johnson has made in the canning business has been due not only to his personal business ability but also to his ability to choose capable assistants. On account of the mammoth business carried on by his eight plants, many of the details cannot be looked after by him, but he has succeeded to a remarkable degree in selecting men to assist him, whom he can trust implicitly and whose business ability has never been questioned.

Dr. L. E. Ott, president of the Franklin Canning Company, has, because of his long connection with the local factory, acquired a knowledge of the canning business which makes him an authority on all questions relating to the management of a factory. In him Mr. Johnson has a valuable assistant whose place could hardly be filled.

The Franklin factory is located on the Big Four railway, one-half mile northeast of Franklin.



FRANKLIN CANNING COMPANY PLANT.
(1) Corn Sheds; (4) Factory; (5) Pea Sheds; (6) Cattle Sheds.

GRACE M. E. CHURCH.

A Methodist society was first organized in Franklin in the year 1825 by William W. Robinson and Asa Beck. The old log court-house was the first regular place of worship. The first building which the society could call its own was a frame structure which stood on the present site of the Whitesides block on Jefferson street. This frame building now stands on Hurricane street and is known as the Rairdon feed stable. The second build

The Canning Industry in Franklin

Central Indiana is the forgotten home of the tomato. Houses, and shopping strip malls now stand where acre after acre of those red delicious Rutgers used to grow. The site of bent-over men, women, and children, waist deep in plant life, harvesting the fruit of the night shade genus common in Johnson County from 1920 until the early 1960s is gone.

What once was a thriving industry in this area has been lost to the changing times. Industry experts cite the development of an automatic tomato picker and a change in the type of tomato produced as causes of the industry's decline which began in the 1950s.

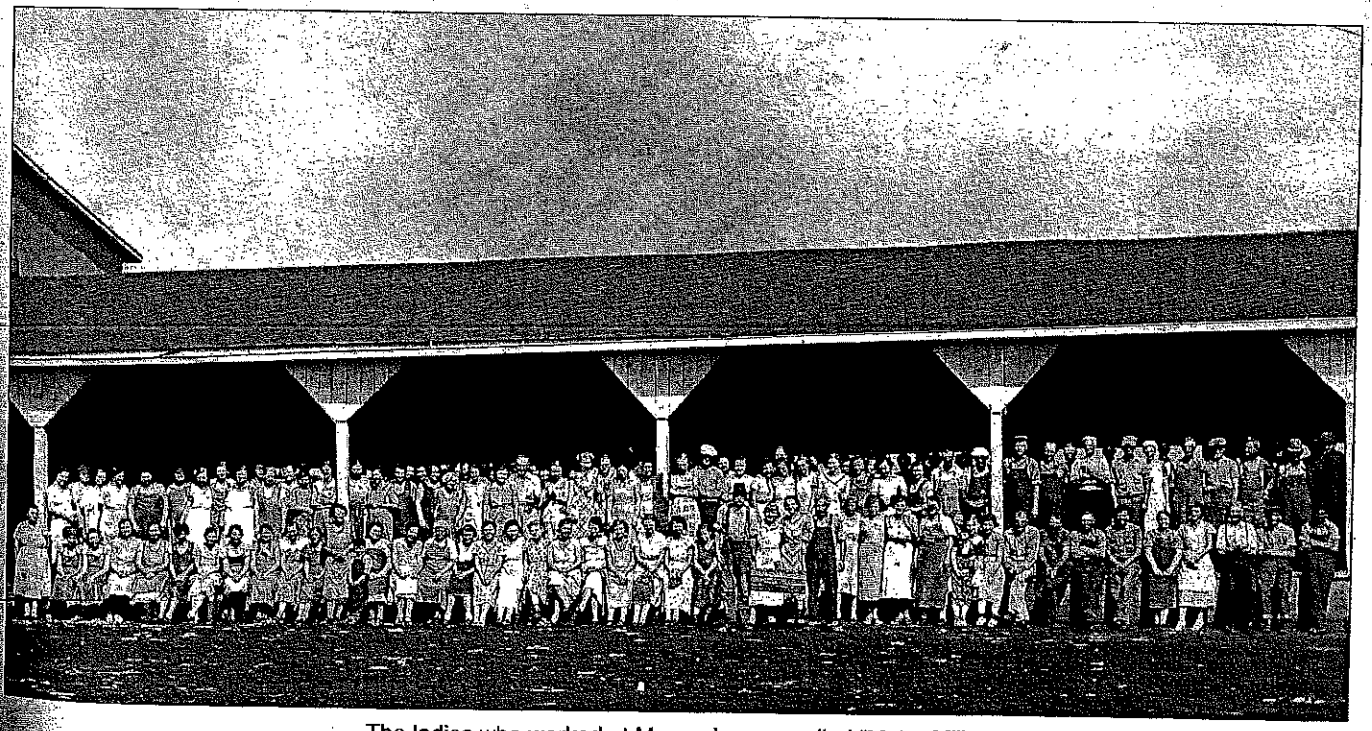
Long lines of trucks and wagons heavy with tomatoes would line up for several blocks along Kentucky and Ohio streets waiting sometimes hours to be weighed in. Farmers would pay local youngsters ten to twenty-five cents to keep watch over their loads while they visited with one another or took lunch breaks. The same youngsters would ride their bikes over ripe tomatoes that had fallen from the trucks onto the ground to see and hear them "squash!"

The Morgan and Hougland canning factories were major industries in Franklin and were a boon to the economy. The businesses in Franklin profited from the sale of merchandise to those cashing pay checks and the owners of the factories boosted the economy by purchasing trucks, equipment, and other operational necessities locally. The activity of the canning factories was especially appreciated during the years of the Great Depression.

The industry took on an international flavor during World War II when German and Italian prisoners of war at Camp Atterbury worked in the plants. After WWII migrant workers from Kentucky and Texas came to Franklin each autumn to pick in the fields and many local folks worked in the factories. Besides processing tomatoes the Franklin plants also canned sweet corn and pumpkins.

Bob Smith, father of Robert G. Smith the former president of Mutual Building and Loan Association was the manager at Morgans for many years. Jesse Hefley was a plant foreman there.

Local families owned the Hougland Canning Factory located on Hurricane Road which began in 1922. Leland Hougland was the superintendent and Emmons Hougland supervised the employees. The Houglands sold the plant to Frank Cravens in 1953 who never processed tomatoes there.



The ladies who worked at Morgan's were called "Mater Mill Maidens" locally. The ladies peeled the tomatoes, filled the tins, and made a lot of catsup.

Fuel Oils

Champion

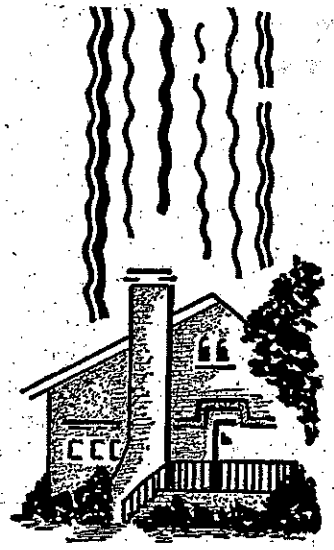
TOWN — COUNTRY
INDUSTRIAL
Gasoline — Heater Oil
Furnace Oil — Diesel Oil

Hardin Oil Co.

MARK HARDIN — HERMAN HENDRICKS
Res. Phone 80-R-1 Res. Phone 20-J-1

Phone Franklin 628

W. Jefferson At 31 Franklin



Fuel Oils

D-X PRODUCTS—
D-X SUNRAY OIL CO Johnson av...Frank-220

D-X SUNRAY OIL CO Johnson av.....*Frank-220
HARDIN OIL CO
Cor W Jefferson & Rd 31.....*Frank-628
(See Advertisement This Classification)
HARMONS SERVICE STATION.....*White-3333
(See Advertisement This Classification)
Johnson County Oil Co Hurricane rd.....Frank-430
(See Advertisement This Classification)
MARATHON BULK PLANT
285 Terre Haute.....*Frank-1056
Ohio Oil Co 285 Terre Haute.....Frank-1056
SOCONY-VACUUM OIL CO
Hamilton av *Frank-881

(Continued Next Page)

A shopping service for your convenience. When you read an advertisement do you know where to buy the goods? Look in the Yellow "Where to Buy It" Pages of this telephone book, under the trade mark name of the article. Many nationally advertised products are listed here, together with a list of the local stores. Find where to buy it in your Classified Telephone Directory.

SHELL FUEL OIL

WITH FOA-5X — CLEAN BURNING
HIGH HEAT CONTENT
ANTIRUST PROPERTIES

SHELL

Metered Deliveries

Franklin's onl home owned oil company

JOHNSON COUNTY OIL CO.

Dan M. Cravens — Ralph Fisher
Keith Wilkenson — Herb Whitaker
PHONE
Franklin 430
IF NO ANSWER CALL 817 HURRICANE RD.

Buy CITIES SERVICE HEATING OIL WITH NEW "ADDITIVE CONTROL"

A Better Oil at the Start

CITIES SERVICE

CLEANS FILTERS, SCREENS and NOZZLES
ANTI-RUST PROTECTION
CLEANER BURNER

CITIES SERVICE

METERED (TICKET PRINTED) DELIVERY
Prompt, Courteous Service

—WHITE 3333—

HARMONS SERVICE

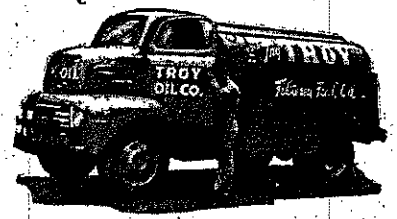
FUEL OIL

WITH TO5

TO5, A CHEMICAL ADDITIVE TO ACCOMPLISH THE FOLLOWING . . .

1. Retards rusting of fuel oil tanks
2. Lessens clogged fuel oil lines and nozzles
3. Provides more efficient combustion flame
4. Provides cleaner, smoother running burner
5. Results — fewer service calls

EQUIPPED TO SERVE



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Congratulations—

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Golden Anniversary

The Hougland Packing Company, Inc., was established in 1921, replacing the Fame Canning Company.

In 1922 with only two lines, the first corn pack was made. In 1924 an additional corn line and two lines for tomatoes were added. Other improvements, additional buildings and equipment have been added. In 1934 another tomato line was added and this year an entirely new pulp packing and cooking room and equipment has been installed.

Today we pack only the highest quality Johnson county corn and tomatoes under the following labels:

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HOUGLAND
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Amphenol
980 Hurricane Rd
Franklin, IN 46131

Inquiry Number 2101832.3s

December 18, 2007

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EDR Inquiry # 2101832.3s

Client Name:
IWM Consulting Group
7428 Rockville Rd
Indianapolis, IN 46214-0000

Contact: Brad Gentry

EDR® Environmental Data Resources Inc

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P.O. # NA
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Maps Identified - Number of maps indicated within "( )"

1948 (1) 1886 (1)
1927 (1)
1916 (1)
1910 (1)
1902 (1)
1896 (1)

Total Maps: 7

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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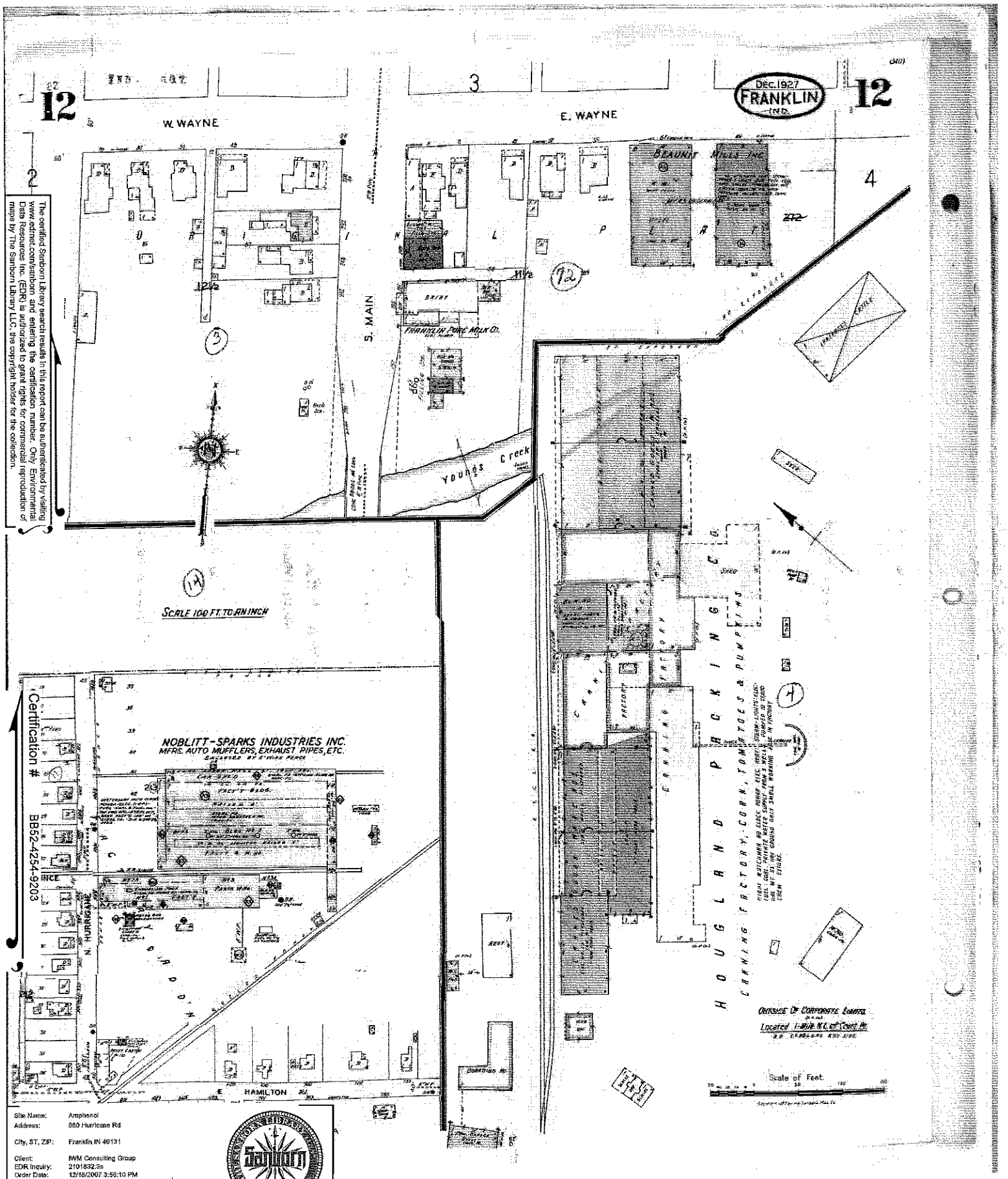

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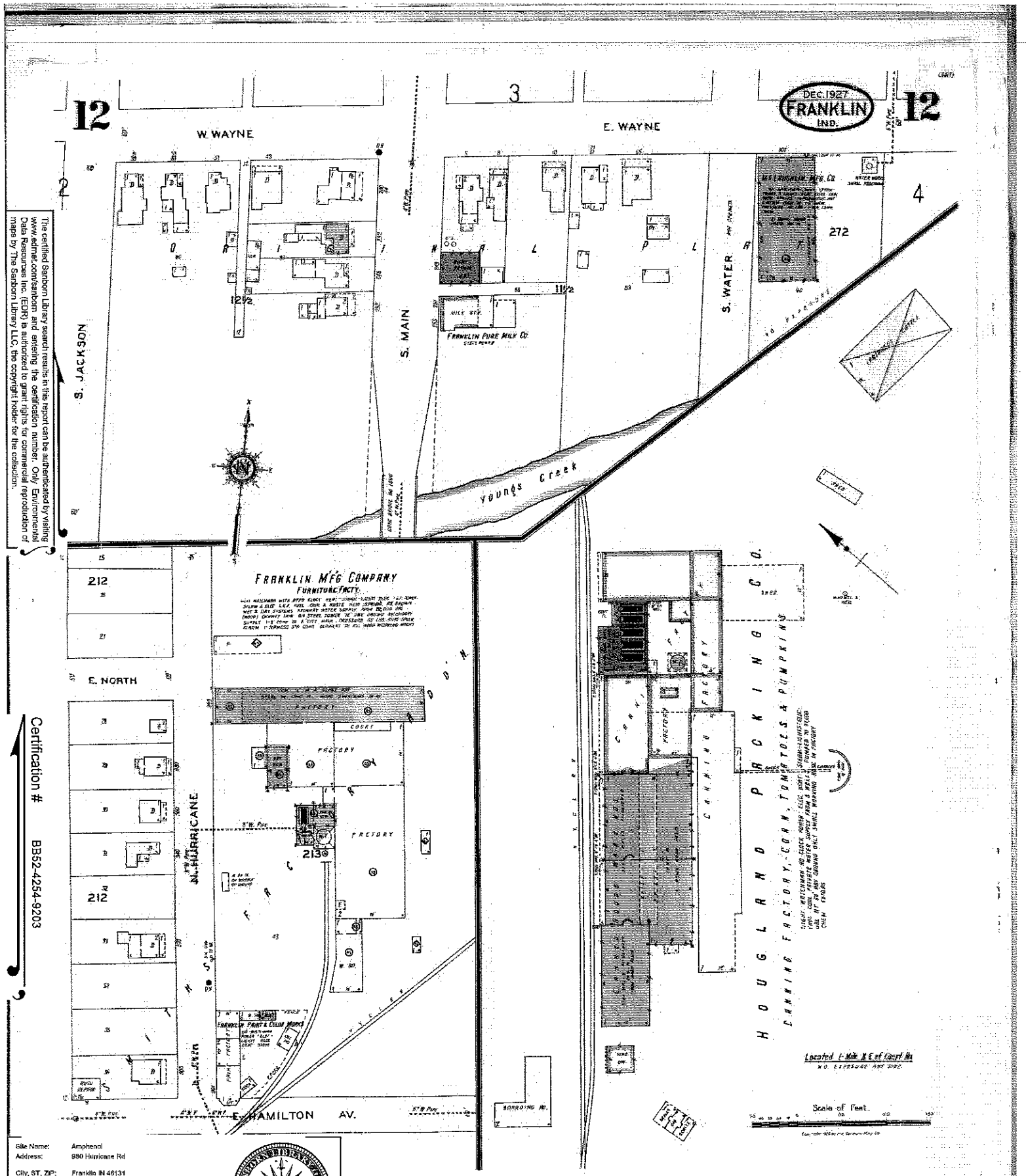

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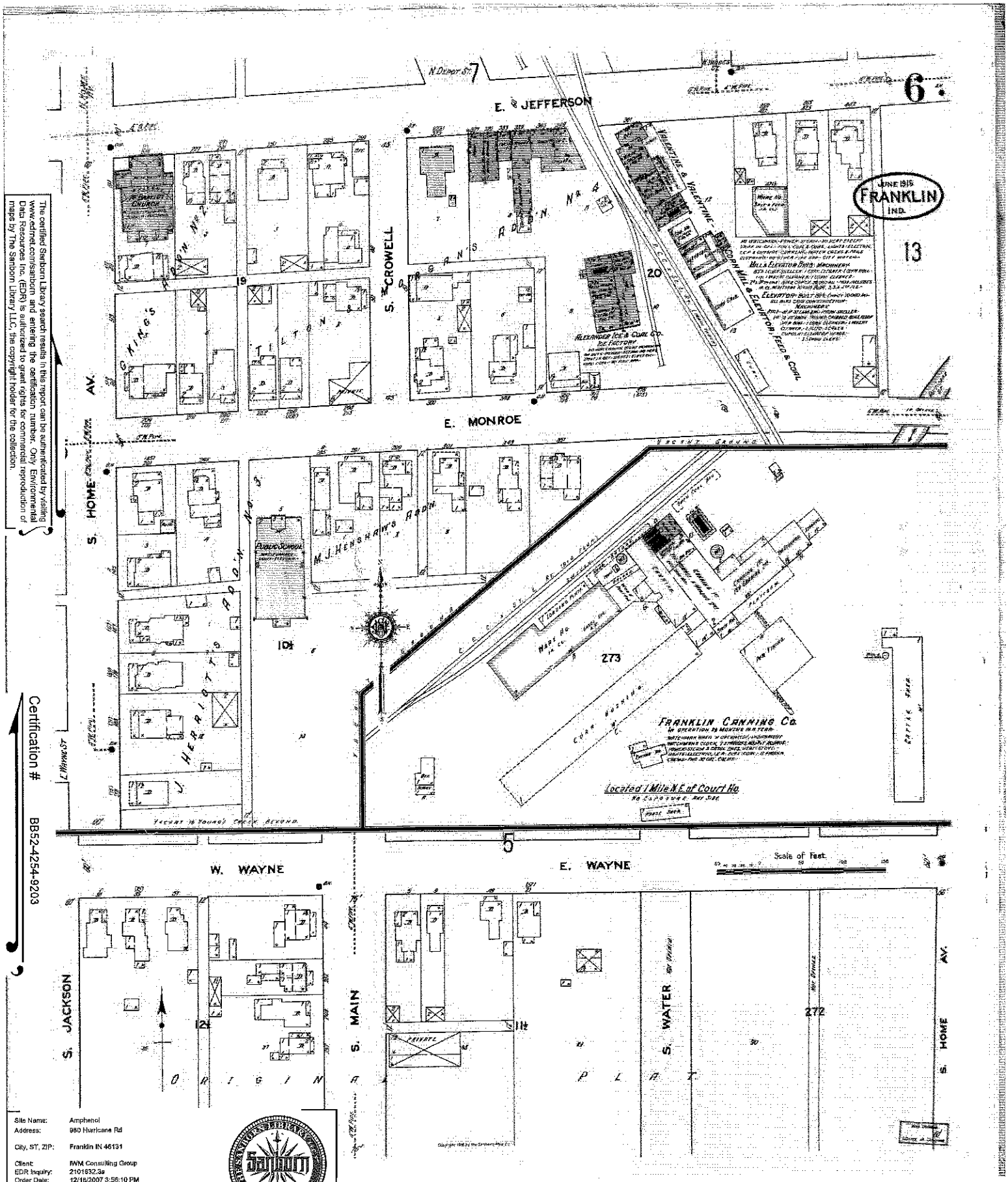
Copyright: 1927



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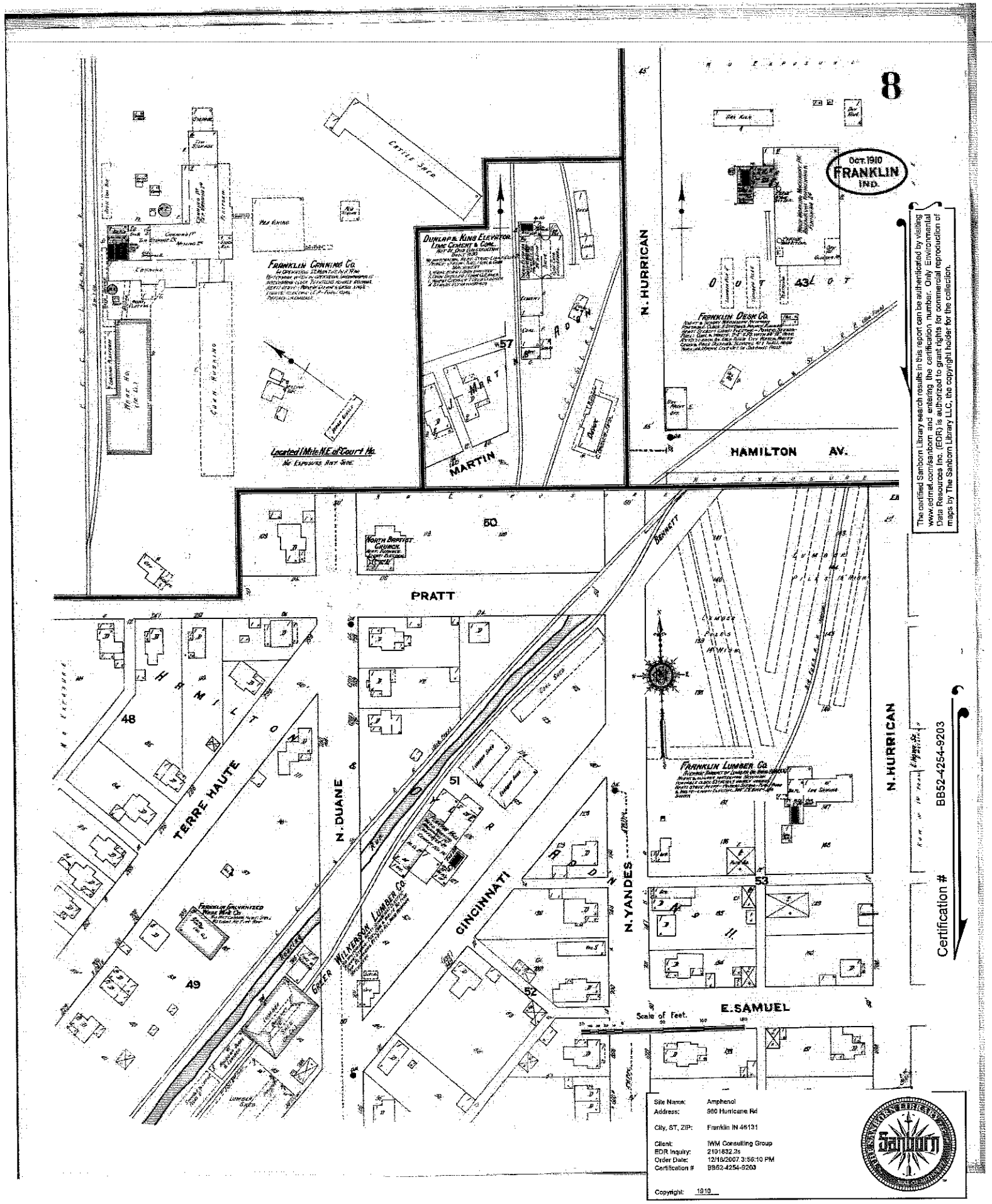
Copyright: 1916



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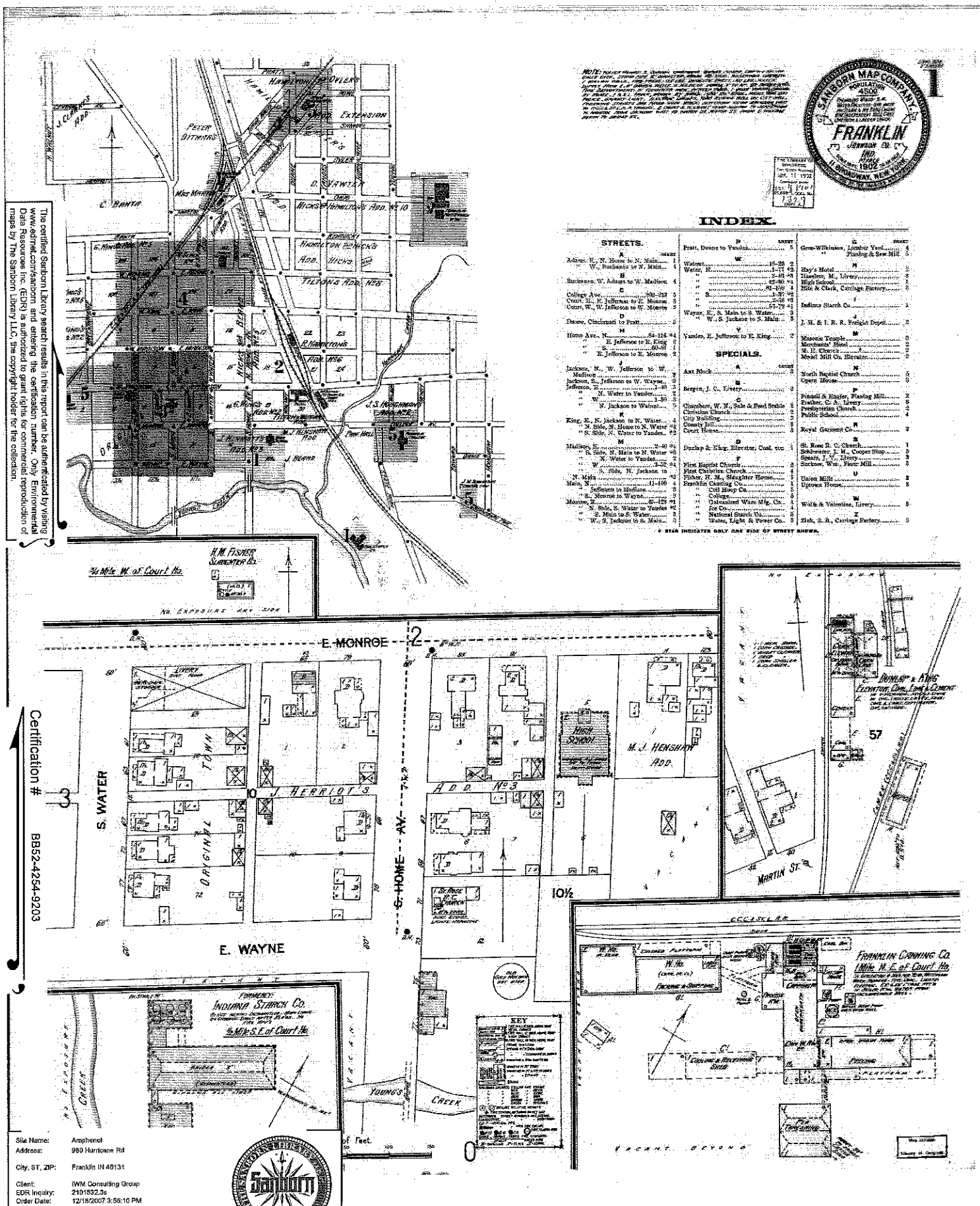

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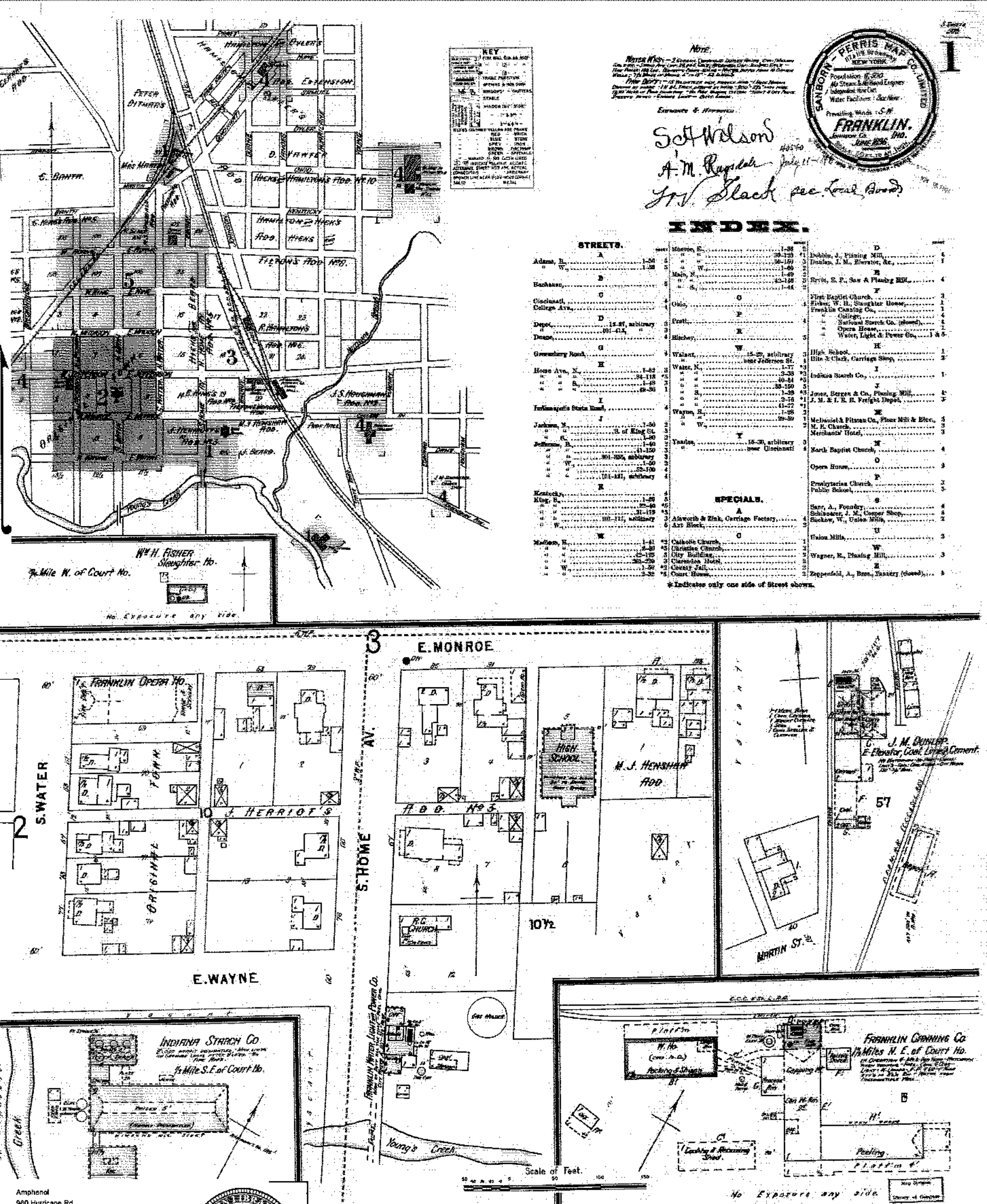

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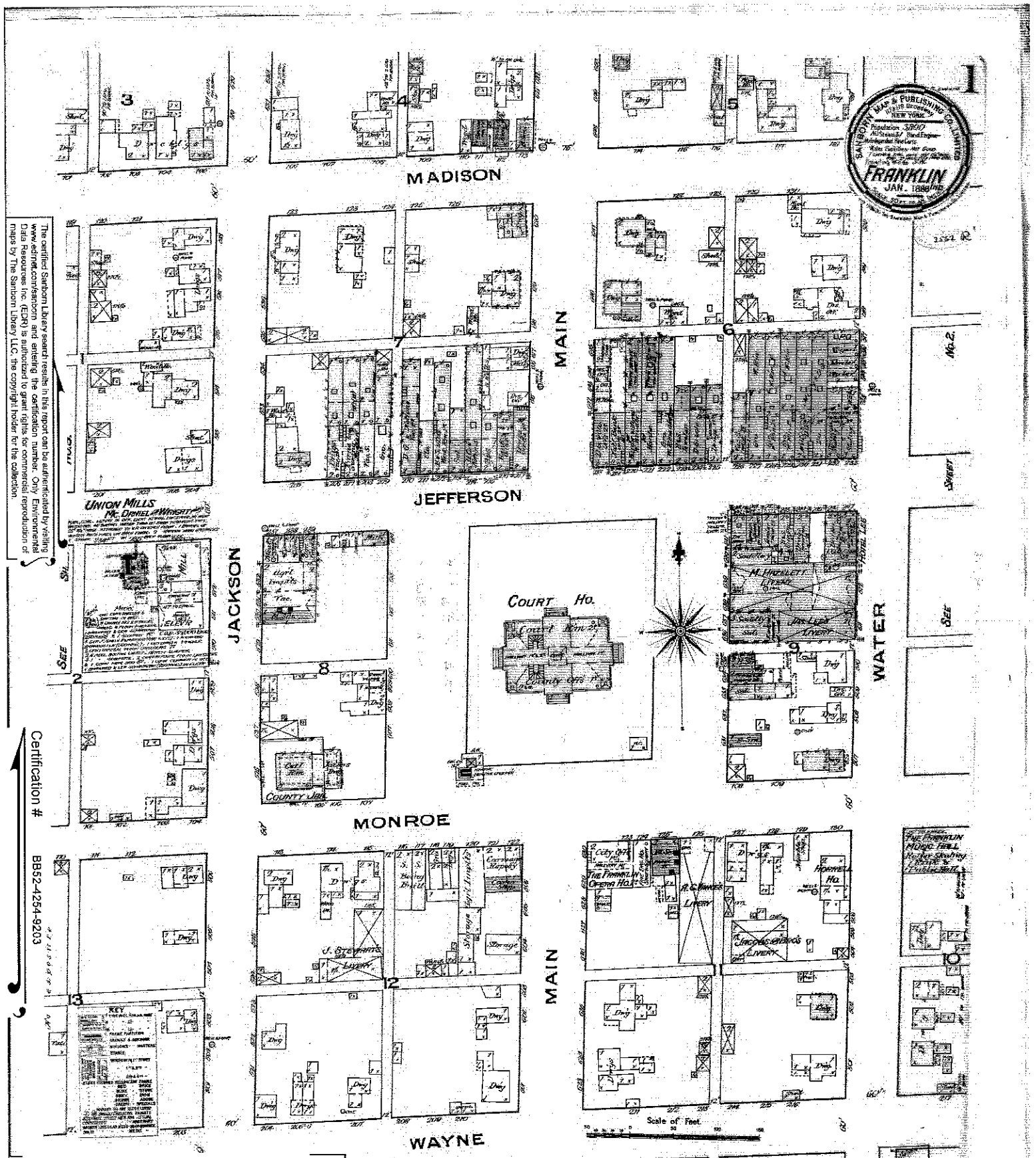
Copyright: 1896



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Appendix J

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