GEOSTAT
ENVIRONMENTAL
115 East Marlin, Suite 108, McPherson, KS 67460
(620) 241-6090; www.geostatenvironmental.com

July 9, 2014

Akhter Hossain, PE
Engineering Associate
Kansas Department of Health and Environment
Bureau of Waste Management
Hazardous Waste Permits Section
Curtis State Office Building
1000 SW Jackson, Suite 320
Topeka, KS 66612-1366

RE: Certification of Sampling Results
Building B Rinsate Sample Results,
Clean Harbors Facility
Wichita, Kansas

Dear Mr. Hossain;

In conjunction with and on behalf of Clean Harbors (CH), GeoStat Environmental, LLC (GeoStat), Integrated Solutions Inc. (iSi), and Cameron & Cole (C&C) are cooperatively providing the attached submittal of analytical results in support of RCRA closure activities at the subject site. A stamped and signed certification verifying that the sampling effort was observed and overseen by a Kansas Professional Engineer is also provided. The intent of this transmittal is to provide analytical results to KDHE and USEPA to determine the suitability of these materials for on-site and off-site disposal.

Clean Harbors is hereby certifying, through the undersigned third party independent Kansas licensed Professional Engineer, that the attached documentation, mapping, and laboratory analytical results are representative of the areas or surfaces identified therein. Further that these areas or surfaces identified have been effectively cleaned and rinsate sampled in general accordance to the Partial Closure Plan for Buildings B, D and J approved by KDHE/USEPA on October 10, 2013.

Building B had previously been emptied of permitted waste and/or waste processing equipment prior to the commencement of site activities. Decontamination began with general cleaning, and power-washing of Building B which began on January 4, 2014. Waste water and any silts and/or solids generated during the decontamination and rinsing of the on-site buildings has been contained in a large frac tank on-site (Tank No. SV 34730L). Waste water generated during decontamination activities at the Site will be transported off-site for disposal at an appropriate facility once a sufficient volume of rinse water has been generated.

RCRA
534247

Triple rinsing followed, with collection of an initial rinsate sample occurring on January 28, 2014. Results of this initial sampling indicated that some low level volatile organic constituents were detected within the rinsate, CH elected to re-wash, rinse, and re-sample rinsate from these areas, the resampling occurred on February 18, 2014. Results of the second rinsate sampling demonstrated no detectable levels of organics and lower levels of common metals and mineral compounds.

Based upon these results, Clean Harbors believes that the building materials from Building B, including the walls and floor are suitable for re-use as backfill at the Site. The only exception is the northern portion of room 6 where RFI activities identified soil concentrations exceeding interim action objectives in soil immediately beneath the floor. This concrete will be cut out and segregated for disposal as hazardous waste during demolition of the building. Porous building debris, such as roof decking materials, will not be used on-site per the approved workplan.

ATTACHMENTS:

Spreadsheet w/ Analytical Results
(Inc. Tracking of Activities, Site Map, and Building B Map, Risk Levels Comparison)
Crack Survey of Building B
(Map & Tables)
Laboratory Analytical Results (Accutest Labs, KDHE Certified Lab)
Shallow Soil Data Summary for Building B

GeoStat appreciates the continued cooperation of KDHE and USEPA on this project and we look forward to your timely response to this submittal. Please call me at (620) 245-4675, if you have any questions regarding this certification.

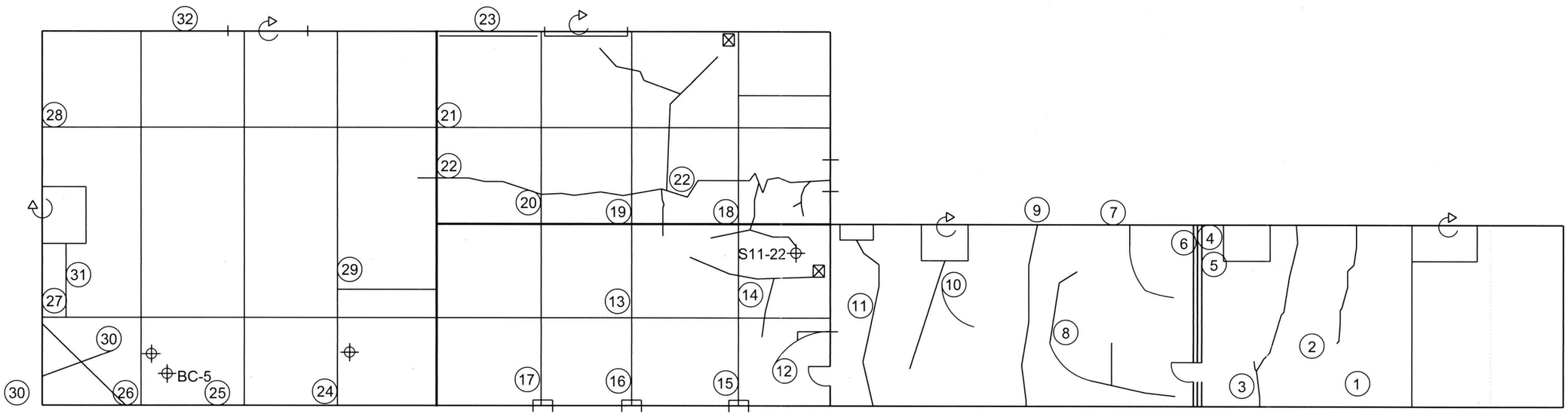
Sincerely,
GeoStat **Environmental, LLC**

Stuart B. Klaus, PE
Senior Engineer

STUART BRIAN KLAUS
LICENSED
2002
7/9/14
KANSAS
PROFESSIONAL ENGINEER

cc: Chris Jump, USEPA
Martin Smith, Clean Harbors
Michael Stephenson, Cameron & Cole
Brady Gerber, iSi Environmental

BUILDING B



LEGEND

INVESTIGATIVE BORING LOCATION

OVERHEAD DOOR

0' 10' 20'

CLEAN HARBORS
PROJECT NAME
BUILDING B:
CRACK SURVEY
SHEET TITLE

B.GERBER	B.WEAST	S.KLAUS
PROJECT MGR.	DRAWN BY:	CHECKED BY:
6-27-2014	1401030	1 / 1
DATE	JOB NO.	SHEET/OF

Clean Harbors Crack Survey

Building	Crack ID	Description
B	1	Slab joint – sealed
B	2	Sealed crack
B	3	Sealed crack
B	4	Slab to foundation joint – sealed
B	5	Crack in 6" X 6" containment berm – 1/16" wide – not sealed
B	6	Slab to foundation joint – sealed with fiberglass coating
B	7	Sealed crack
B	8	Arc shaped crack with branch – sealed
B	9	Slab joint – sealed
B	10	"V" shaped crack – sealed
B	11	Crack – partially sealed – 1/32" crack extends all the way across floor (door containment to South wall – with small finger in middle
B	12	Crack coated with fiberglass
B	13	Slab joint – sealed
B	14	Branched crack extending west of sump-sealed
B	15	Slab joint – sealed
B	16	Slab joint – sealed
B	17	Slab joint – sealed
B	18	Slab joint – sealed
B	19	Slab joint – sealed
B	20	Slab joint – sealed
B	21	Slab joint – sealed
B	22	Crack with multiple branches – sealed
B	23	Slab to foundation joint – 1/32" wide crack
B	24	Slab joint – sealed
B	25	Slab joint – sealed
B	26	Slab joint – sealed
B	27	Slab joint – sealed
B	28	Slab joint – sealed
B	29	Crack – sealed – ½" wide ground out and patched
B	30	"Criss-Cross" crack – sealed - ½" wide ground out and patched
B	31	Crack – sealed – ½" wide- ground out and patched
B	32	Floor to cinder block wall along north wall - sealed at base

Date: 1-8-14

2" metal pipe through concrete

1. Slab joint - sealed

2. Crack - sealed

3. Crack - sealed.

4. Slab to foundation joint - sealed

5. Crack in door containment berm - 1/16" wide not sealed

6. Slab to foundation joint - sealed with fiberglass coating.

6. Slab to foundation joint - sealed with fiberglass coating.

7. Crack - sealed.

8. Arc shaped crack with branch - sealed.

8. Arc shaped crack with branch - sealed.

9. Slab joint - sealed.

10. "V" shaped crack - sealed.

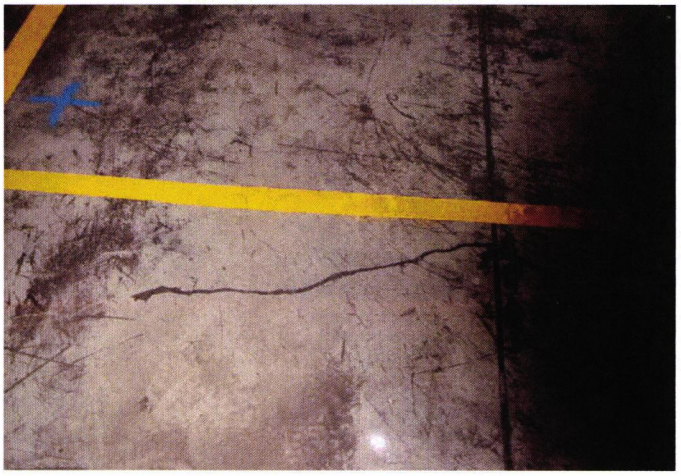
11. Partially sealed floor crack - 1/32" crack.

12. Crack coated with fiberglass

13. Slab joint - sealed.

14. Crack with branches extending west of sump - sealed.

14. Crack with branches extending west of sump - sealed.



14. Crack with branches extending west of sump - sealed.

15. Slab joint - sealed

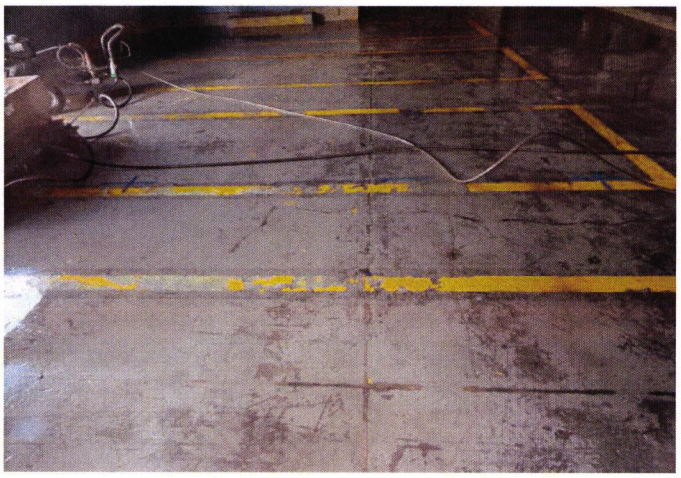
16. Slab joint - sealed

17. Slab joint - sealed

18. Slab joint - sealed

19. Slab joint - sealed

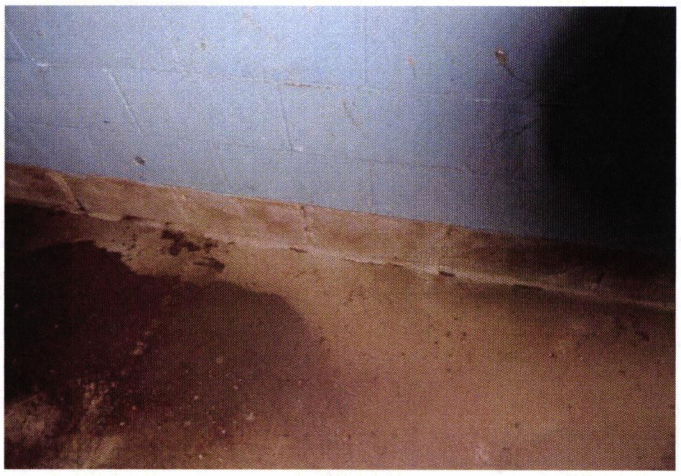
20. Slab joint - sealed



21. Slab joint - sealed

22. Crack with multiple branches - sealed

22. Crack with multiple branches - sealed



23. Slab to foundation joint - 1/32" wide crack

24. Slab joint - sealed

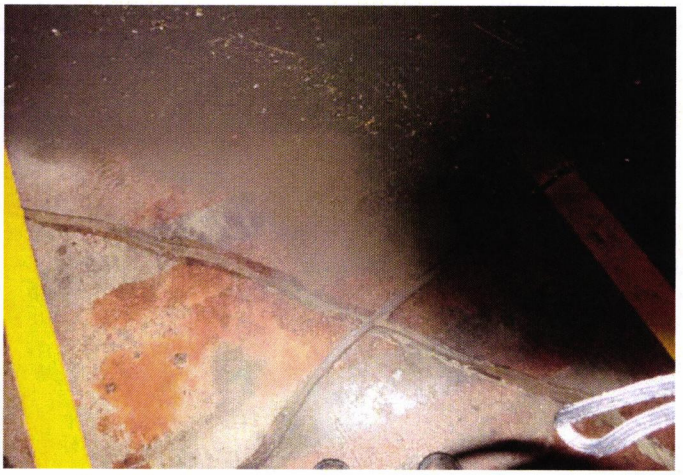
25. Slab joint - sealed

26. Slab joint - sealed

27. Slab joint - sealed

28. Slab joint - sealed

29. Crack - 1/2" ground out and patched - sealed.



30. "Criss-Cross" crack - 1/2" wide ground out and patched - sealed

31. Crack - 1/2" wide ground out and sealed.

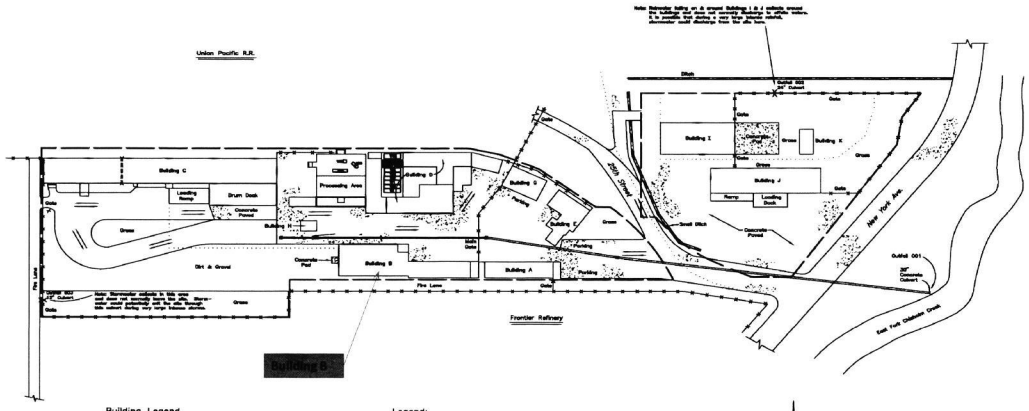
32. Floor to cinder block wall - sealed.

CLEAN HARBORS, WICHITA, KS

Building B - Analytical Results

	Tab	Description and Comments
	Contents	This listing of the Excel Worksheet Contents.
	Site Map	Drawing Showing Locations of Structures Sampled at the Facility.
	Bulding B Decon Summary	Summary of Decontamination and rinsate sampling events
Building B	Bld B Figure	Drawing of Building B Showing Sample Locations as Seperated into Rooms (RM#).
Building B	Bld B Table	Table of Building B Analytical Results with comparison to KDHE Tier II RSK Levels.
Building B	Bld B Resample Table	Table of Building B Analytical Results with comparison to KDHE Tier II RSK Levels.
Building B	Bld B Filtered Results	Table of select Building B Laboratory Filtered Analytical Results with comparison to KDHE Tier II RSK Levels.
Building B	Bld B D&F	Table of Building B Dioxin/Furan Analytical Results with comparison to KDHE Tier II RSK Levels.

Notes: Bld = Building, NT = Nested Tanks, D&F = Dioxin & Furan



Building Legend

Building A	Laboratory/Administration
Building C	Hazardous Waste Management Building
Building E	Administration
Building G	Personnel Dozen/Break Room
Building H	Operations Office
Building I	Hazardous Waste Management Building
Processing Area	Hazardous Waste Management Area
Drum Dock	Hazardous Waste Management Area

Legend:

- : Railroad Tracks
- : Fence
- : Property Line
- : Loading and Unloading Area
- : Secondary Containment Berm or Wall
- : Pavement
- : Drainage Boundary
- : Storm Drain Catch Basins
- : Underground Storm Sewer Line
- : Truck Routes

SCALE OF FEET

Notes:

1. TANKS & MISCELLANEOUS UNIT LOCATIONS SUBJECT TO CLOSURE ARE IDENTIFIED IN THE PROCESSING AREA AND BUILDING G.
2. CONTAINER MANAGEMENT UNITS SUBJECT TO CLOSURE INCLUDE:
   BUILDING B
   BUILDING D
   BUILDING J

FIGURE J-3

REV.	DESCRIPTION	DRAWN BY	DATE	APP. BY
C	RCRA PART B SUBMITTAL UPDATE	K.M.C.	6/25/12	S.A.R.
B	RCRA PART B SUBMITTAL UPDATE	K.M.C.	6/3/10	S.A.R.
A	RCRA PART B SUBMITTAL	K.M.C.	3/27/08	M.C.

REFERENCE DRAWINGS

CleanHarbors

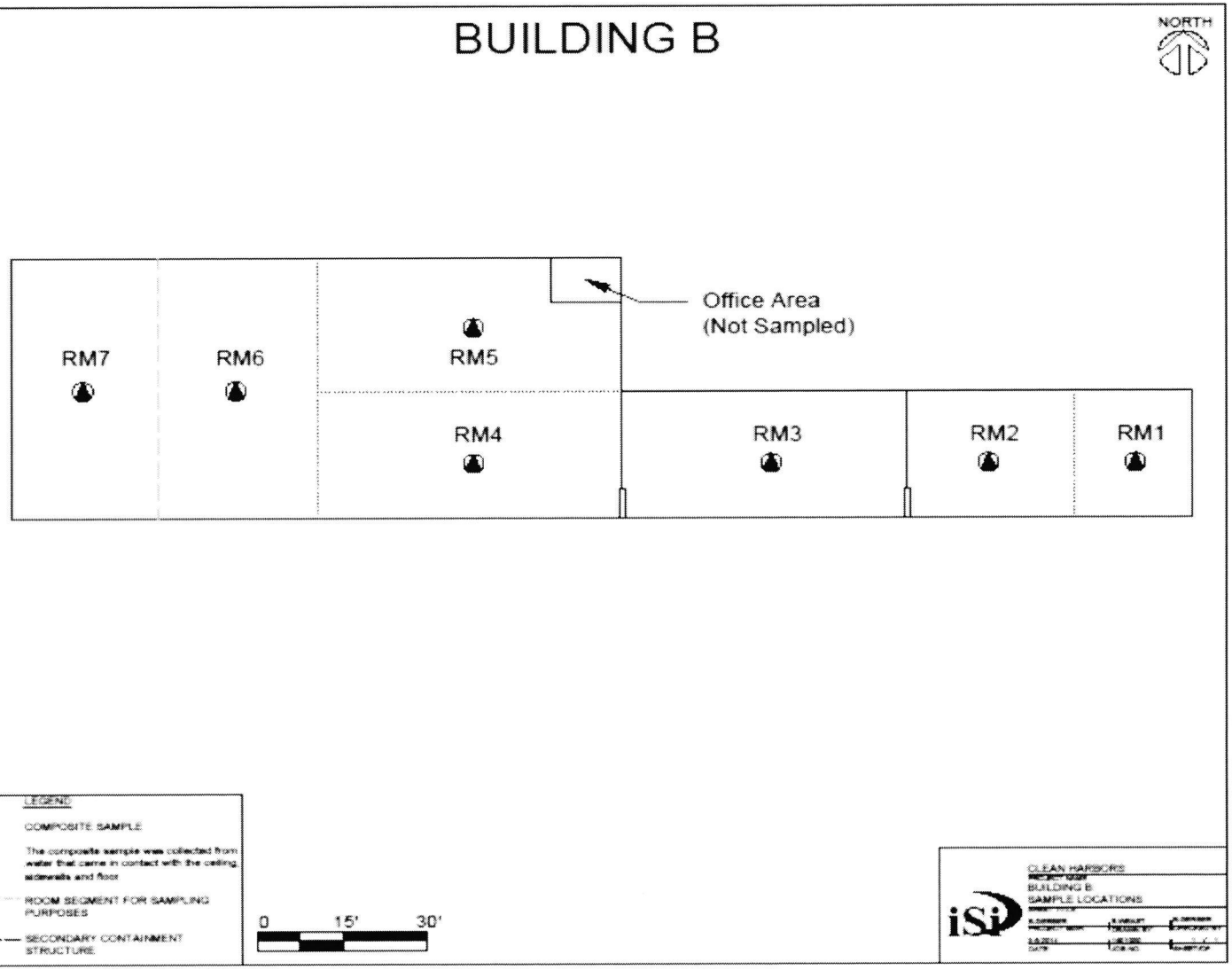
DRAWN	DESIGNED	CHECKED	DATE
K.M.C.	M.C.	AS NOTED	03/24/09

TITLE: CLEAN HARBORS KANSAS, LLC
WICHITA FACILITY
HAZARDOUS WASTE MANAGEMENT AREAS

DRAWING NO. HWMA

REV. C

BUILDING B


NORTH
Office Area
(Not Sampled)
RM7
RM6
RM5
RM4
RM3
RM2
RM1
LEGEND
COMPOSITE SAMPLE
The composite sample was collected from water that came in contact with the ceiling, sidewalls and floor
ROOM SEGMENT FOR SAMPLING PURPOSES
SECONDARY CONTAINMENT STRUCTURE
0
15'
30'
iSi
CLEAN HARBORS
BUILDING B
SAMPLE LOCATIONS

Building B Shallow Soil Samples Results
Clean Harbors Wichita

Sample ID		BC-1-0.5	BC-2-0.5	BC-3-0.5	BC-4-0.5
Boring ID		BC-1	BC-2	BC-3	BC-4
Depth (ft. bgs.)		0.5	0.5	0.5	0.5
Date Collected	IAO (ug/kg)	10/17/2013	10/17/2013	10/17/2013	10/17/2013
Pesticides Herbicides and PCBs					
2,4,5-T	3750	<38	<38	<38	<38
2,4-D	NA	<380	<380	<380	<380
2,4-Db	NA	<380	<380	<380	<380
Dalapon	929	<1900	<1900	<1900	<1900
Dicamba	NA	<38	<38	<38	<38
Dichlorprop	NA	<380	<380	<380	<380
Dinoseb	NA	<950	<1900	<950	<960
Mcpa	NA	<38000	<38000	<38000	<38000
Mcpp	NA	<38000	<38000	<38000	<38000
Pentachlorophenol	996	<38	<38	57	<38
Silvex (2,4,5-TP)	NA	<38	<38	<38	<38
Pcb-1016	NA	<19	<19	<1900	<380
Pcb-1221	NA	<19	<19	<1900	<380
Pcb-1232	NA	<19	<19	<1900	<380
Pcb-1242	NA	<19	<19	<1900	<380
Pcb-1248	NA	<19	<19	<1900	<380
Pcb-1254	50000	<19	<19	<1900	<380
Pcb-1260	NA	<19	<19	<1900	<380
4,4'-DDD	31800	<3.9	<3.9	<76	<38
4,4'-DDE	24100	<3.9	<3.9	<76	<38
4,4'-DDT	24600	<3.9	<3.9	<76	<38
Aldrin	NA	<1.9	<1.9	<38	<19
alpha-BHC	NA	<1.9	<1.9	<38	<19
Alpha-Chlordane	NA	<1.9	<1.9	27.3 J	<19
beta-BHC	NA	<1.9	<1.9	<38	<19
delta-BHC	NA	<1.9	<1.9	<38	<19
Dieldrin	193	<1.9	<1.9	<38	<19
Endosulfan I	NA	<1.9	<1.9	<38	<19
Endosulfan II	NA	<1.9	<1.9	<38	<19
Endosulfan Sulfate	NA	<3.9	<3.9	<76	<38
Endrin	NA	<3.9	<3.9	<76	<38
Endrin Aldehyde	NA	<3.9	<3.9	<76	<38
Endrin Ketone	NA	<3.9	<3.9	<76	<38
gamma-BHC (Lindane)	NA	<1.9	<1.9	<38	<19
Gamma-Chlordane	NA	<1.9	<1.9	47.3	<19
Heptachlor	NA	<1.9	<1.9	<38	<19
Heptachlor Epoxide	405	<1.9	<1.9	19.1 J	<19
Methoxychlor	215000	<3.9	<3.9	<76	<38
Toxaphene	46300	<97	<97	2150	<960

Building B Shallow Soil Samples Results
Clean Harbors Wichita

Sample ID		BC-1-0.5	BC-2-0.5	BC-3-0.5	BC-4-0.5
Boring ID		BC-1	BC-2	BC-3	BC-4
Depth (ft. bgs.)		0.5	0.5	0.5	0.5
Date Collected	IAO (ug/kg)	10/17/2013	10/17/2013	10/17/2013	10/17/2013
Metals					
Aluminum	NA	15800	16000	16200	15000
Antimony	817	<4.8	<5	<4.5	<4.8
Arsenic	63.2	7.9	8.3	6.2	5.9
Barium	277000	180	234	194	174
Beryllium	3650	<1.2	<1.3	<1.1	<1.2
Boron	NA	NA	NA	NA	NA
Cadmium	965	<0.97	1.3	<0.9	<0.96
Calcium	NA	5480	5890	5520	5740
Chromium	111	18.2	20	18.2	175
Cobalt	579	<12	<13	<11	<12
Copper	81700	20.2	33.7	17.7	18.2
Iron	NA	17900	21300	16600	16600
Lead	1000	66.3	128	45.5	575
Lithium	NA	NA	NA	NA	NA
Magnesium	NA	4280	4180	3860	3620
Manganese	66200	404	396	396	349
Mercury	20	0.06	0.07	0.04	0.04
Molybdenum	NA	<12	<13	<11	<12
Nickel	32400	21.2	25.4	16.6	16.9
Potassium	NA	3370	3580	3150	2990
Selenium	10200	<4.8	<5.0	<4.5	<4.8
Silver	10200	<2.4	<2.5	<2.3	<2.4
Sodium	NA	<2400	<2500	<2300	<2400
Strontium	NA	60.1	75.7	51.5	61.2
Thallium	NA	<2.4	<2.5	<2.3	<2.4
Tin	NA	<12	<13	<11	13
Titanium	NA	102	118	112	149
Vanadium	NA	29.3	28.2	29.3	27.5
Zinc	613000	151	399	114	160

Notes:
IAO - Interim Action Objective (ug/kg) from the DRAFT Interim Measures Work Plan
NA - Not Applicable

Unit	Comments	Inventory
Room 1		None None
Room 2		None None
Room 3		None None
Room 4		None None
Room 5		None None
Room 6	Concrete in northern portion of room 6 to be disposed of at LM due to impacted soil underlying	None None
Room 7		None None

Inventory - List all items removed from unit and provide reference to location where they were moved (
LM - Lone Mountain.

Clean Harbo
Building B Decontam

Decontamination Complete (date)	Rinsate Samples Collected (PE Required) (date)
1/7/2014 to 1/13/2014	1/28/2014
2/10/2014 to 2/18/2014	2/18/2014
1/7/2014 to 1/13/2014	1/28/2014
2/10/2014 to 2/18/2014	2/18/2014
1/7/2014 to 1/13/2014	1/28/2014
2/10/2014 to 2/18/2014	2/18/2014
1/7/2014 to 1/13/2014	1/28/2014
2/10/2014 to 2/18/2014	2/18/2014
1/7/2014 to 1/13/2014	1/28/2014
2/10/2014 to 2/18/2014	2/18/2014
1/7/2014 to 1/13/2014	1/28/2014
2/10/2014 to 2/18/2014	2/18/2014
1/7/2014 to 1/13/2014	1/28/2014
2/10/2014 to 2/18/2014	2/18/2014

e.g. manifest number, tank number for rinse water, etc.). Use separate sheet if

rs Wichita
ıination Summary

Internal Review	Follow up Actions	Submitted to State/EPA (date)
Organic exceedances	Repeat Decon	
organics pass	submit results	
Organic exceedances	Repeat Decon	
organics pass	submit results	
Organic exceedances	Repeat Decon	
organics pass	submit results	
Organic exceedances	Repeat Decon	
organics pass	submit results	
Organic exceedances	Repeat Decon	
organics pass	submit results	
Organic exceedances	Repeat Decon	
organics pass	submit results	
Organic exceedances	Repeat Decon	
organics pass	submit results	

necessary.

Determination	Agency Determination Via? (phone, email etc.)	Date

Accutest Laboratories Southeast, Inc.

Mar 03, 2014 17:27 pm

Job Number:	FA12080
Account:	ISI Environmental Services
Project:	Clean Harbors; Wichita,KS
Project Number:	

Legend: Detection | Exceed

Client Sample ID:		KS Tier 2 Risk Based Standards Residential GW (KDHE 03/2014)	TAP WATER	BLD B RM 1	BLD B RM 2	BLD B RM 3	BLD B RM 4	BLD B RM 5	BLD B RM 6	BLD B RM 7	TRIP BLANK
Lab Sample ID:			FA12080-8	FA12080-7	FA12080-6	FA12080-5	FA12080-3	FA12080-4	FA12080-1	FA12080-2	FA12080-9
Date Sampled:			1/28/2014	1/28/2014	1/28/2014	1/28/2014	1/28/2014	1/28/2014	1/28/2014	1/28/2014	1/28/2014
Matrix:			Water	Water	Water	Water	Water	Water	Water	Water	Trip Blank Water
GC/MS Volatiles (SW846 8260B)											
Acetone	ug/l	11500	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)
Acrolein	ug/l	0.0415	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)
Acrylonitrile	ug/l	0.491	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzene	ug/l	5	ND (0.24)	6.6	0.60 J	0.96 J	1.8	0.69 J	1.9	3.3	ND (0.24)
Bromobenzene	ug/l	-	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)
Bromochloromethane	ug/l	-	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)
Bromodichloromethane	ug/l	80	8.6	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	2.5	ND (0.26)	ND (0.26)	ND (0.26)
Bromoform	ug/l	80	2.1	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	0.60 J	ND (0.38)	ND (0.38)	ND (0.38)
n-Butylbenzene	ug/l	169	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)
sec-Butylbenzene	ug/l	30.5	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)
tert-Butylbenzene	ug/l	-	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Chlorobenzene	ug/l	100	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
Chloroethane	ug/l	14000	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Chloroform	ug/l	80	6.7	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	1.7	ND (0.31)	ND (0.31)	ND (0.31)
o-Chlorotoluene	ug/l	88.9	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
p-Chlorotoluene	ug/l	-	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
2-Chloroethyl vinyl ether	ug/l	-	ND (1.0) [a]	ND (1.0) [a]	ND (1.0) [a]	ND (1.0) [a]	ND (1.0) [a]	ND (1.0) [a]	ND (1.0) [a]	ND (1.0) [a]	ND (1.0) [a]
Carbon disulfide	ug/l	716	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	0.27 J	ND (0.20)	ND (0.20)	0.25 J	ND (0.20)
Carbon tetrachloride	ug/l	5	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)
1,1-Dichloroethane	ug/l	25	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)
1,1-Dichloroethylene	ug/l	7	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
1,1-Dichloropropene	ug/l	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)
1,2-Dibromo-3-chloropropane	ug/l	0.2	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)
1,2-Dibromoethane	ug/l	0.05	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
1,2-Dichloroethane	ug/l	5	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
1,2-Dichloropropane	ug/l	5	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)
1,3-Dichloropropane	ug/l	-	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
2,2-Dichloropropane	ug/l	-	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
Dibromochloromethane	ug/l	80	9.3	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	2.8	ND (0.36)	ND (0.36)	ND (0.36)
Dichlorodifluoromethane	ug/l	366	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
cis-1,2-Dichloroethylene	ug/l	70	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
cis-1,3-Dichloropropene	ug/l	-	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)
m-Dichlorobenzene	ug/l	-	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)

Pentachlorophenol	ug/l	1	ND (19)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	-
Phenol	ug/l	4560	ND (1.9)	9	4.0 J	82.7	6.6	7.2	96.2	9.3	-
2,4,5-Trichlorophenol	ug/l	1260	ND (3.7)	ND (0.92)	ND (0.92)	ND (0.92)	ND (0.92)	ND (0.92)	ND (0.92)	ND (0.92)	-
2,4,6-Trichlorophenol	ug/l	12.7	ND (2.1)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	-
Acenaphthene	ug/l	253	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
Acenaphthylene	ug/l	-	ND (1.9)	0.68 J	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	0.72 J	1.3 J	-
Aniline	ug/l	-	ND (3.8)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	-
Anthracene	ug/l	1150	ND (2.3)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	-
Benzidine	ug/l	0.00367	ND (19)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	-
Benzo(a)anthracene	ug/l	0.223	ND (2.4)	ND (0.61)	ND (0.61)	ND (0.61)	ND (0.61)	ND (0.61)	ND (0.61)	ND (0.61)	-
Benzo(a)pyrene	ug/l	0.2	ND (2.5)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	-
Benzo(b)fluoranthene	ug/l	0.16	ND (2.7)	ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)	-
Benzo(g,h,i)perylene	ug/l	-	ND (3.0)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	-
Benzo(k)fluoranthene	ug/l	1.62	ND (1.9)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	-
4-Bromophenyl phenyl ether	ug/l	-	ND (2.5)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	-
Butyl benzyl phthalate	ug/l	333	ND (3.1)	190	12.2	6.3	3.9 J	ND (0.77)	19.9	ND (0.77)	-
Benzyl Alcohol	ug/l	-	ND (3.8)	18.1	18.5	24.8	5.1	34.4	8.3	8.5	-
2-Chloronaphthalene	ug/l	344	ND (2.1)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	-
4-Chloroaniline	ug/l	-	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
Carbazole	ug/l	28.7	ND (2.3)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	-
Chrysene	ug/l	22.3	ND (2.7)	ND (0.68)	ND (0.68)	ND (0.68)	ND (0.68)	ND (0.68)	ND (0.68)	ND (0.68)	-
bis(2-Chloroethoxy)methane	ug/l	-	ND (2.1)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	-
bis(2-Chloroethyl)ether	ug/l	0.124	ND (2.6)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	-
bis(2-Chloroisopropyl)ether	ug/l	-	ND (2.2)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	-
4-Chlorophenyl phenyl ether	ug/l	-	ND (2.0)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	-
1,2-Dichlorobenzene	ug/l	600	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
1,2-Diphenylhydrazine	ug/l	-	ND (2.5)	ND (0.64)	ND (0.64)	ND (0.64)	ND (0.64)	ND (0.64)	1.3 J	ND (0.64)	-
1,3-Dichlorobenzene	ug/l	-	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
1,4-Dichlorobenzene	ug/l	75	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
2,4-Dinitrotoluene	ug/l	2.67	ND (2.1)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	-
2,6-Dinitrotoluene	ug/l	0.557	ND (2.4)	**0.74 J**	ND (0.59)	**1.1 J**	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	-
3,3'-Dichlorobenzidine	ug/l	-	ND (3.4)	ND (0.85)	ND (0.85)	ND (0.85)	ND (0.85)	ND (0.85)	ND (0.85)	ND (0.85)	-
Dibenzo(a,h)anthracene	ug/l	0.00805	ND (3.1)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	-
Dibenzofuran	ug/l	4.13	ND (2.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	-
Di-n-butyl phthalate	ug/l	1350	ND (3.8)	2.4 J	2.0 J	7.3	96.5	55.9	19.8	2.3 J	-
Di-n-octyl phthalate	ug/l	18.4	ND (3.8)	2.4 J	2.1 J	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	-
Diethyl phthalate	ug/l	12200	ND (3.8)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	-
Dimethyl phthalate	ug/l	155000	ND (2.4)	0.81 J	2.1 J	1.0 J	2.1 J	6.9	1.7 J	5.5	-
bis(2-Ethylhexyl)phthalate	ug/l	6	ND (6.0)	**32.5**	**11.8**	**8.2**	**36.5**	**45.8**	4.7	**16.5**	-
Fluoranthene	ug/l	255	ND (2.6)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	-
Fluorene	ug/l	162	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
Hexachlorobenzene	ug/l	1	ND (2.5)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	-
Hexachlorobutadiene	ug/l	6.32	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
Hexachlorocyclopentadiene	ug/l	50	ND (3.8)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	-
Hexachloroethane	ug/l	9.14	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
Indeno(1,2,3-cd)pyrene	ug/l	0.117	ND (2.4)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	-
Isophorone	ug/l	-	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
1-Methylnaphthalene	ug/l	4.29	ND (1.9)	0.96 J	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
2-Methylnaphthalene	ug/l	16.7	ND (2.0)	1.7 J	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	0.71 J	0.78 J	-
2-Nitroaniline	ug/l	-	ND (4.5)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	-

o-Dichlorobenzene	ug/l	600	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
p-Dichlorobenzene	ug/l	75	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
trans-1,2-Dichloroethylene	ug/l	100	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
trans-1,3-Dichloropropene	ug/l	-	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)
Ethylbenzene	ug/l	700	ND (0.28)	1.9	ND (0.28)	0.53 J	0.39 J	ND (0.28)	0.40 J	0.54 J	ND (0.28)
2-Hexanone	ug/l	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	10.3	ND (2.0)
Hexachlorobutadiene	ug/l	6.32	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Isopropylbenzene	ug/l	451	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
p-Isopropyltoluene	ug/l	-	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
4-Methyl-2-pentanone	ug/l	1020	ND (1.0)	ND (1.0)	ND (1.0)	1.5 J	7.3	ND (1.0)	4.2 J	8.4	ND (1.0)
Methyl bromide	ug/l	7.02	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
Methyl chloride	ug/l	127	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	1.3 J	ND (0.53)	0.72 J	0.82 J	ND (0.53)
Methylene bromide	ug/l	-	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Methylene chloride	ug/l	5	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Methyl ethyl ketone	ug/l	4920	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)
Methyl Tert Butyl Ether	ug/l	133	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Naphthalene	ug/l	1.11	ND (1.0)	8	ND (1.0)	1.2 J	1.5 J	ND (1.0)	2.9 J	2.2 J	ND (1.0)
n-Propylbenzene	ug/l	660	ND (0.24)	0.33 J	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
Styrene	ug/l	100	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	0.23 J	ND (0.23)
1,1,1,2-Tetrachloroethane	ug/l	5.35	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
1,1,1-Trichloroethane	ug/l	200	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
1,1,2,2-Tetrachloroethane	ug/l	0.694	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)
1,1,2-Trichloroethane	ug/l	5	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)
1,2,3-Trichlorobenzene	ug/l	-	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,2,3-Trichloropropane	ug/l	0.00468	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)
1,2,4-Trichlorobenzene	ug/l	70	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,2,4-Trimethylbenzene	ug/l	8.44	ND (0.24)	1.7 J	ND (0.24)	0.28 J	0.30 J	ND (0.24)	0.57 J	0.40 J	ND (0.24)
1,3,5-Trimethylbenzene	ug/l	44	ND (0.20)	2	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Tetrachloroethylene	ug/l	5	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)
Toluene	ug/l	1000	ND (0.20)	11	0.79 J	1.6	1.2	0.91 J	1.6	2	ND (0.20)
Trichloroethylene	ug/l	5	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)
Trichlorofluoromethane	ug/l	1090	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Vinyl chloride	ug/l	2	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
Vinyl Acetate	ug/l	406	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
m,p-Xylene	ug/l	10000	ND (0.48)	5.4	0.86 J	1.5 J	1.1 J	0.56 J	1.2 J	1.6 J	ND (0.48)
o-Xylene	ug/l	10000	ND (0.20)	2.6	0.66 J	1	0.82 J	0.28 J	0.57 J	1	ND (0.20)
GC/MS Semi-volatiles (SW846 8270D)											
Benzoic Acid	ug/l	-	ND (38)	30.4 J	80.1 J	171 J	87.4 J	1450 J	200	685	-
2-Chlorophenol	ug/l	-	ND (2.0)	0.55 J	ND (0.49)	0.50 J	ND (0.49)	ND (0.49)	0.74 J	ND (0.49)	-
4-Chloro-3-methyl phenol	ug/l	-	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
2,4-Dichlorophenol	ug/l	41.2	ND (2.2)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	-
2,4-Dimethylphenol	ug/l	292	ND (1.9)	1.3 J	ND (0.47)	0.49 J	0.62 J	0.81 J	2.5 J	1.2 J	-
2,4-Dinitrophenol	ug/l	31	ND (21)	ND (5.1)	ND (5.1)	ND (5.1)	ND (5.1)	ND (5.1)	ND (5.1)	ND (5.1)	-
4,6-Dinitro-o-cresol	ug/l	-	ND (7.5)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	-
2-Methylphenol	ug/l	744	ND (1.9)	2.3 J	ND (0.47)	ND (0.47)	0.95 J	1.2 J	4.2 J	2.2 J	-
3&4-Methylphenol	ug/l	-	ND (4.4)	3.4 J	ND (1.1)	1.8 J	2.0 J	2.8 J	9	4.3 J	-
2-Nitrophenol	ug/l	-	ND (2.3)	ND (0.56)	0.78 J	1.0 J	ND (0.56)	0.86 J	0.86 J	ND (0.56)	-
4-Nitrophenol	ug/l	-	ND (19)	ND (4.7)	4.8 J	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	-

3-Nitroaniline	ug/l	-	ND (2.3)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	-
4-Nitroaniline	ug/l	-	ND (2.9)	ND (0.72)	ND (0.72)	ND (0.72)	ND (0.72)	ND (0.72)	ND (0.72)	ND (0.72)	-
Naphthalene	ug/l	1.11	ND (1.9)	**4.2 J**	ND (0.47)	0.77 J	1.0 J	0.82 J	**1.5 J**	**2.3 J**	-
Nitrobenzene	ug/l	1.01	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
N-Nitrosodimethylamine	ug/l	-	ND (3.8)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	-
N-Nitroso-di-n-propylamine	ug/l	-	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
N-Nitrosodiphenylamine	ug/l	-	ND (2.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	-
Phenanthrene	ug/l	-	ND (2.2)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	-
Pyrene	ug/l	202	ND (3.1)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	-
Pyridine	ug/l	4.96	ND (7.5)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	-
1,2,4-Trichlorobenzene	ug/l	70	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
GC Semi-volatiles (SW846 8081B)											
Aldrin	ug/l	0.0495	ND (0.0047)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.047)	ND (0.024)	ND (0.047)	ND (0.047)	-
alpha-BHC	ug/l	-	ND (0.0047)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.047)	ND (0.024)	ND (0.047)	ND (0.047)	-
beta-BHC	ug/l	-	ND (0.0047)	ND (0.024)	0.072 J	ND (0.024)	0.52	ND (0.024)	ND (0.047)	0.38 J	-
delta-BHC	ug/l	-	ND (0.0047)	ND (0.024)	0.098 J	ND (0.024)	0.12 J	ND (0.024)	ND (0.047)	0.071 J	-
gamma-BHC (Lindane)	ug/l	0.2	ND (0.0047)	ND (0.024)	ND (0.024)	ND (0.024)	0.055 J	ND (0.024)	ND (0.047)	ND (0.047)	-
alpha-Chlordane	ug/l	-	ND (0.0047)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.047)	ND (0.024)	ND (0.047)	ND (0.047)	-
gamma-Chlordane	ug/l	-	ND (0.0047)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.047)	ND (0.024)	ND (0.047)	ND (0.047)	-
Dieldrin	ug/l	0.048	ND (0.0047)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.047)	ND (0.024)	ND (0.047)	ND (0.047)	-
4,4'-DDD	ug/l	1.35	ND (0.0094)	ND (0.047)	ND (0.047)	ND (0.047)	ND (0.094)	ND (0.047)	ND (0.094)	ND (0.094)	-
4,4'-DDE	ug/l	1.03	ND (0.0094)	ND (0.047)	ND (0.047)	ND (0.047)	ND (0.094)	ND (0.047)	ND (0.094)	ND (0.094)	-
4,4'-DDT	ug/l	0.73	ND (0.0094)	ND (0.047)	ND (0.047)	ND (0.047)	ND (0.094)	ND (0.047)	ND (0.094)	ND (0.094)	-
Endrin	ug/l	2	ND (0.0094)	ND (0.047)	ND (0.047)	ND (0.047)	ND (0.094)	ND (0.047)	ND (0.094)	ND (0.094)	-
Endosulfan sulfate	ug/l	-	ND (0.0094)	ND (0.047)	ND (0.047)	ND (0.047)	ND (0.094)	ND (0.047)	ND (0.094)	ND (0.094)	-
Endrin aldehyde	ug/l	-	ND (0.0094)	ND (0.047)	ND (0.047)	ND (0.047)	ND (0.094)	ND (0.047)	ND (0.094)	ND (0.094)	-
Endrin ketone	ug/l	-	ND (0.0094)	ND (0.047)	ND (0.047)	ND (0.047)	ND (0.094)	ND (0.047)	ND (0.094)	ND (0.094)	-
Endosulfan-I	ug/l	-	ND (0.0047)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.047)	ND (0.024)	ND (0.047)	ND (0.047)	-
Endosulfan-II	ug/l	-	ND (0.0047)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.047)	ND (0.024)	ND (0.047)	ND (0.047)	-
Heptachlor	ug/l	0.4	ND (0.0047)	ND (0.024)	ND (0.024)	ND (0.024)	0.086 J	ND (0.024)	ND (0.047)	0.10 J	-
Heptachlor epoxide	ug/l	0.2	ND (0.0047)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.047)	ND (0.024)	ND (0.047)	ND (0.047)	-
Methoxychlor	ug/l	40	ND (0.0094)	ND (0.047)	ND (0.047)	ND (0.047)	ND (0.094)	ND (0.047)	ND (0.094)	ND (0.094)	-
Toxaphene	ug/l	3	ND (0.94)	ND (4.7)	ND (4.7)	ND (4.7)	ND (9.4)	ND (4.7)	ND (9.4)	ND (9.4)	-
GC Semi-volatiles (SW846 8082A)											
Aroclor 1016	ug/l	-	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	-
Aroclor 1221	ug/l	-	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	-
Aroclor 1232	ug/l	-	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	-
Aroclor 1242	ug/l	-	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	-
Aroclor 1248	ug/l	-	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	-
Aroclor 1254	ug/l	-	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	-
Aroclor 1260	ug/l	-	ND (0.19)	1.0 [b]	0.34 J [b]	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	-
GC Semi-volatiles (SW846 8151A)											
2,4-D	ug/l	70	ND (0.17)	ND (3.4)	5.8 J	ND (3.4)	6.7 J	6.4 J [c]	12.2 J	**99.9**	-
2,4,5-TP (Silvex)	ug/l	50	ND (0.028)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	-

2,4,5-T	ug/l	148	ND (0.027)	ND (0.54)	ND (0.54)	ND (0.54)	1.2 J	ND (0.54)	2.8	8.9	-
Dicamba	ug/l	461	ND (0.026)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	5.8	-
Dinoseb	ug/l	-	ND (0.47)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	-
Dalapon	ug/l	-	ND (0.93)	ND (19)	ND (19)	ND (19)	ND (19)	ND (19)	ND (19)	ND (19)	-
Dichloroprop	ug/l	-	ND (0.20)	ND (3.9)	ND (3.9)	ND (3.9)	ND (3.9)	ND (3.9)	ND (3.9)	7.7 J [c]	-
2,4-DB	ug/l	115	ND (0.31)	ND (6.2)	ND (6.2)	ND (6.2)	ND (6.2)	ND (6.2)	ND (6.2)	ND (6.2)	-
MCPP	ug/l	-	ND (12)	ND (240)	ND (240)	ND (240)	ND (240)	ND (240)	ND (240)	ND (240)	-
MCPA	ug/l	-	ND (20)	ND (390)	ND (390)	ND (390)	ND (390)	ND (390)	ND (390)	ND (390)	-
Pentachlorophenol	ug/l	1	ND (0.022)	ND (0.43)	ND (0.43)	0.43 J	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	-
Metals Analysis											
Aluminum	ug/l	-	<200	4850	4750	7480	8750	7520	8000	9670	-
Antimony	ug/l	6	<6.0	6	7.1	8.1	10.4	17.1	18.2	15.6	-
Arsenic	ug/l	10	<10	<10	12.3	13	12	13.8	13.3	10.7	-
Barium	ug/l	2000	<200	622	2970	5380	3160	6010	625	663	-
Beryllium	ug/l	4	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	-
Cadmium	ug/l	5	<5.0	5.9	5.4	8.2	11.5	10.5	10.9	7.9	-
Calcium	ug/l	-	27200	146000	192000	235000	253000	228000	302000	324000	-
Chromium	ug/l	100	<10	116	181	158	204	583	163	202	-
Cobalt	ug/l	4.68	<50	<50	<50	<50	<50	<50	<50	<50	-
Copper	ug/l	1300	57.1	109	132	168	175	281	212	208	-
Iron	ug/l	-	<300	7390	8010	11300	13000	12300	13200	15600	-
Lead	ug/l	15	<5.0	316	442	667	525	3010	671	447	-
Magnesium	ug/l	-	14500	20500	22200	25000	25500	25100	20900	26100	-
Manganese	ug/l	50	<15	272	333	498	599	537	569	486	-
Mercury	ug/l	2	<0.50	24.1	11.5	4.3	3	1.6	3	1.2	-
Molybdenum	ug/l	-	<50	<50	<50	<50	<50	<50	<50	<50	-
Nickel	ug/l	312	<40	<40	<40	<40	48	75.6	53.2	98.4	-
Potassium	ug/l	-	<10000	40000	61100	28900	22900	23800	20600	36100	-
Selenium	ug/l	50	<10	<10	<10	<10	<10	<10	<10	<10	-
Silver	ug/l	77.9	<10	<10	<10	<10	<10	<10	<10	<10	-
Sodium	ug/l	-	87700	136000	205000	162000	131000	227000	118000	192000	-
Strontium	ug/l	-	203	610	787	989	1020	1020	937	1390	-
Thallium	ug/l	-	<10	<10	<10	<10	<10	<10	<10	<10	-
Tin	ug/l	-	<50	<50	<50	<50	<50	<50	<50	<50	-
Titanium	ug/l	-	<10	148	132	384	182	165	168	286	-
Vanadium	ug/l	-	<50	<50	<50	<50	<50	<50	<50	<50	-
Zinc	ug/l	4670	<20	1920	1980	3300	5620	6980	4910	2560	-

Footnotes:

[a] Associated BS recovery outside control limits.

[b] Aroclor pattern appears to be weathered.

[c] Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advisory purposes only. Accutest assumes no responsibility for errors in regulatory documents or changes to criteria detailed in later versions of the referenced regulation. It is the responsibility of the user to verify these limits before using or reporting any data.

Accutest Laboratories Southeast, Inc.

Job Number:	FA12580
Account:	ISI Environmental Services
Project:	Clean Harbors; Wichita, KS
Project Number:	

Client Sample ID:		KS Tier 2 Risk Based Standards Residential GW (KDHE 03/2014)	BLD B RM 1	BLD B RM 2	BLD B RM 3
Lab Sample ID:			FA12580-1	FA12580-3	FA12599-1
Date Sampled:			2/18/2014	2/18/2014	2/18/2014
Matrix:			Water	Water	Water
GC/MS Volatiles (SW846 8260B)					
Acetone	ug/l	11500	-	-	-
Acrolein	ug/l	0.0415	-	-	-
Acrylonitrile	ug/l	0.491	-	-	-
Benzene	ug/l	5	ND (0.24)	-	-
Bromobenzene	ug/l	-	-	-	-
Bromochloromethane	ug/l	-	-	-	-
Bromodichloromethane	ug/l	80	-	-	-
Bromoform	ug/l	80	-	-	-
n-Butylbenzene	ug/l	169	-	-	-
sec-Butylbenzene	ug/l	30.5	-	-	-
tert-Butylbenzene	ug/l	-	-	-	-
Chlorobenzene	ug/l	100	-	-	-
Chloroethane	ug/l	14000	-	-	-
Chloroform	ug/l	80	-	-	-
o-Chlorotoluene	ug/l	88.9	-	-	-
p-Chlorotoluene	ug/l	-	-	-	-
2-Chloroethyl vinyl ether	ug/l	-	-	-	-
Carbon disulfide	ug/l	716	-	-	-
Carbon tetrachloride	ug/l	5	-	-	-
1,1-Dichloroethane	ug/l	25	-	-	-
1,1-Dichloroethylene	ug/l	7	-	-	-
1,1-Dichloropropene	ug/l	-	-	-	-
1,2-Dibromo-3-chloropropane	ug/l	0.2	-	-	-
1,2-Dibromoethane	ug/l	0.05	-	-	-
1,2-Dichloroethane	ug/l	5	-	-	-
1,2-Dichloropropane	ug/l	5	-	-	-
1,3-Dichloropropane	ug/l	-	-	-	-
2,2-Dichloropropane	ug/l	-	-	-	-
Dibromochloromethane	ug/l	80	-	-	-
Dichlorodifluoromethane	ug/l	366	-	-	-

cis-1,2-Dichloroethylene	ug/l	70	-	-	-
cis-1,3-Dichloropropene	ug/l	-	-	-	-
m-Dichlorobenzene	ug/l	-	-	-	-
o-Dichlorobenzene	ug/l	600	-	-	-
p-Dichlorobenzene	ug/l	75	-	-	-
trans-1,2-Dichloroethylene	ug/l	100	-	-	-
trans-1,3-Dichloropropene	ug/l	-	-	-	-
Ethylbenzene	ug/l	700	-	-	-
2-Hexanone	ug/l	-	-	-	-
Hexachlorobutadiene	ug/l	6.32	-	-	-
Isopropylbenzene	ug/l	451	-	-	-
p-Isopropyltoluene	ug/l	-	-	-	-
4-Methyl-2-pentanone	ug/l	1020	-	-	-
Methyl bromide	ug/l	7.02	-	-	-
Methyl chloride	ug/l	127	-	-	-
Methylene bromide	ug/l	-	-	-	-
Methylene chloride	ug/l	5	-	-	-
Methyl ethyl ketone	ug/l	4920	-	-	-
Methyl Tert Butyl Ether	ug/l	133	-	-	-
Naphthalene	ug/l	1.11	ND (1.0)	-	-
n-Propylbenzene	ug/l	660	-	-	-
Styrene	ug/l	100	-	-	-
1,1,1,2-Tetrachloroethane	ug/l	5.35	-	-	-
1,1,1-Trichloroethane	ug/l	200	-	-	-
1,1,2,2-Tetrachloroethane	ug/l	0.694	-	-	-
1,1,2-Trichloroethane	ug/l	5	-	-	-
1,2,3-Trichlorobenzene	ug/l	-	-	-	-
1,2,3-Trichloropropane	ug/l	0.00468	-	-	-
1,2,4-Trichlorobenzene	ug/l	70	-	-	-
1,2,4-Trimethylbenzene	ug/l	8.44	-	-	-
1,3,5-Trimethylbenzene	ug/l	44	-	-	-
Tetrachloroethylene	ug/l	5	-	-	-
Toluene	ug/l	1000	-	-	-
Trichloroethylene	ug/l	5	-	-	-
Trichlorofluoromethane	ug/l	1090	-	-	-
Vinyl chloride	ug/l	2	-	-	-
Vinyl Acetate	ug/l	406	-	-	-
m,p-Xylene	ug/l	10000	-	-	-
o-Xylene	ug/l	10000	-	-	-
GC/MS Semi-volatiles (SW846 8270D)					
Benzoic Acid	ug/l	-	ND (38)	**10.1 J**	ND (9.4)
2-Chlorophenol	ug/l	-	ND (2.0)	-	ND (0.49)
4-Chloro-3-methyl phenol	ug/l	-	-	-	-
2,4-Dichlorophenol	ug/l	41.2	-	-	-
2,4-Dimethylphenol	ug/l	292	-	-	-

2,4-Dinitrophenol	ug/l	31	-	-	-
4,6-Dinitro-o-cresol	ug/l	-	-	-	-
2-Methylphenol	ug/l	744	-	-	-
3&4-Methylphenol	ug/l	-	ND (4.5)	-	ND (1.1)
2-Nitrophenol	ug/l	-	-	ND (0.57)	ND (0.56)
4-Nitrophenol	ug/l	-	-	-	-
Pentachlorophenol	ug/l	1	-	-	-
Phenol	ug/l	4560	-	-	-
2,4,5-Trichlorophenol	ug/l	1260	-	-	-
2,4,6-Trichlorophenol	ug/l	12.7	-	-	-
Acenaphthene	ug/l	253	-	-	-
Acenaphthylene	ug/l	-	ND (1.9)	-	-
Aniline	ug/l	-	-	-	-
Anthracene	ug/l	1150	-	-	-
Benzidine	ug/l	0.00367	-	-	-
Benzo(a)anthracene	ug/l	0.223	-	-	-
Benzo(a)pyrene	ug/l	0.2	-	-	-
Benzo(b)fluoranthene	ug/l	0.16	-	-	-
Benzo(g,h,i)perylene	ug/l	-	-	-	-
Benzo(k)fluoranthene	ug/l	1.62	-	-	-
4-Bromophenyl phenyl ether	ug/l	-	-	-	-
Butyl benzyl phthalate	ug/l	333	-	-	-
Benzyl Alcohol	ug/l	-	5.7 J	12.6	6
2-Chloronaphthalene	ug/l	344	-	-	-
4-Chloroaniline	ug/l	-	-	-	-
Carbazole	ug/l	28.7	-	-	-
Chrysene	ug/l	22.3	-	-	-
bis(2-Chloroethoxy)methane	ug/l	-	-	-	-
bis(2-Chloroethyl)ether	ug/l	0.124	-	-	-
bis(2-Chloroisopropyl)ether	ug/l	-	-	-	-
4-Chlorophenyl phenyl ether	ug/l	-	-	-	-
1,2-Dichlorobenzene	ug/l	600	-	-	-
1,2-Diphenylhydrazine	ug/l	-	-	-	-
1,3-Dichlorobenzene	ug/l	-	-	-	-
1,4-Dichlorobenzene	ug/l	75	-	-	-
2,4-Dinitrotoluene	ug/l	2.67	-	-	-
2,6-Dinitrotoluene	ug/l	0.557	-	-	-
3,3'-Dichlorobenzidine	ug/l	-	-	-	-
Dibenzo(a,h)anthracene	ug/l	0.00805	-	-	-
Dibenzofuran	ug/l	4.13	-	-	-
Di-n-butyl phthalate	ug/l	1350	-	-	-
Di-n-octyl phthalate	ug/l	18.4	-	-	-
Diethyl phthalate	ug/l	12200	-	-	-
Dimethyl phthalate	ug/l	155000	-	-	-
bis(2-Ethylhexyl)phthalate	ug/l	6	ND (6.0)	4.5 J	4.6 J
Fluoranthene	ug/l	255	-	-	-
Fluorene	ug/l	162	-	-	-

Hexachlorobenzene	ug/l	1	-	-	-
Hexachlorobutadiene	ug/l	6.32	-	-	-
Hexachlorocyclopentadiene	ug/l	50	-	-	-
Hexachloroethane	ug/l	9.14	-	-	-
Indeno(1,2,3-cd)pyrene	ug/l	0.117	-	-	-
Isophorone	ug/l	-	-	-	-
1-Methylnaphthalene	ug/l	4.29	-	-	-
2-Methylnaphthalene	ug/l	16.7	ND (2.0)	-	-
2-Nitroaniline	ug/l	-	-	-	-
3-Nitroaniline	ug/l	-	-	-	-
4-Nitroaniline	ug/l	-	-	-	-
Naphthalene	ug/l	1.11	ND (1.9)	-	-
Nitrobenzene	ug/l	1.01	-	-	-
N-Nitrosodimethylamine	ug/l	-	-	-	-
N-Nitroso-di-n-propylamine	ug/l	-	-	-	-
N-Nitrosodiphenylamine	ug/l	-	-	-	-
Phenanthrene	ug/l	-	-	-	-
Pyrene	ug/l	202	-	-	-
Pyridine	ug/l	4.96	-	-	-
1,2,4-Trichlorobenzene	ug/l	70	-	-	-
GC Semi-volatiles (SW846 8081B)					
beta-BHC	ug/l	-	-	ND (0.0047)	-
delta-BHC	ug/l	-	-	ND (0.0047)	-
GC Semi-volatiles (SW846 8082A)					
Aroclor 1260	ug/l	-	ND (0.19)	ND (0.19)	-
Metals Analysis					
Aluminum	ug/l	-	313	561	-
Antimony	ug/l	6	<6.0	<6.0	<6.0
Arsenic	ug/l	10	<10	<10	<10
Barium	ug/l	2000	<200	391	214
Beryllium	ug/l	4	<4.0	<4.0	-
Cadmium	ug/l	5	**6.7**	**9.6**	**10.2**
Calcium	ug/l	-	31300	33900	-
Chromium	ug/l	100	18	33	29.8
Cobalt	ug/l	4.68	<50	<50	-
Copper	ug/l	1300	34.3	45.9	-
Iron	ug/l	-	343	714	466
Lead	ug/l	15	**29.2**	**77.2**	**37**
Magnesium	ug/l	-	13900	14000	-
Manganese	ug/l	50	<15	21.3	<15
Mercury	ug/l	2	<0.50	0.79	<0.50

Molybdenum	ug/l	-	<50	<50	-
Nickel	ug/l	312	<40	<40	-
Potassium	ug/l	-	<10000	12100	<10000
Selenium	ug/l	50	<10	<10	-
Silver	ug/l	77.9	<10	<10	-
Sodium	ug/l	-	103000	105000	97500
Strontium	ug/l	-	208	225	211
Thallium	ug/l	-	<10	<10	-
Tin	ug/l	-	<50	<50	-
Titanium	ug/l	-	212	440	235
Vanadium	ug/l	-	<50	<50	-
Zinc	ug/l	4670	69.8	143	-

Footnotes:

[a] Associated BS recovery outside control limits.

[b] Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

Regulatory limits listed in this document have been obtained from the latest version of the regulations cite responsibility for errors in regulatory documents or changes to criteria detailed in later versions of the ref verify these limits before using or reporting any data.

				Legend:	Detection	Exceed

BLD B RM 4	BLD B RM 5	BLD B RM 6	BLD B RM 7	DUP-3	TRIP BLANK
FA12580-4	FA12580-5	FA12580-6	FA12580-7	FA12580-8	FA12580-2
2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014
Water	Water	Water	Water	Water	Trip Blank Water
-	-	-	-	ND (11)	ND (11)
-	-	-	-	ND (6.4)	ND (6.4)
-	-	-	-	ND (2.0)	ND (2.0)
-	-	-	-	ND (0.24)	ND (0.24)
-	-	-	-	ND (0.31)	ND (0.31)
-	-	-	-	ND (0.38)	ND (0.38)
-	-	-	-	2.5	ND (0.26)
-	-	-	-	0.44 J	ND (0.38)
-	-	-	-	ND (0.30)	ND (0.30)
-	-	-	-	ND (0.27)	ND (0.27)
-	-	-	-	ND (0.29)	ND (0.29)
-	-	-	-	ND (0.24)	ND (0.24)
-	-	-	-	ND (0.50)	ND (0.50)
-	-	-	-	1.7	ND (0.31)
-	-	-	-	ND (0.23)	ND (0.23)
-	-	-	-	ND (0.29)	ND (0.29)
-	-	-	-	ND (1.0) [a]	ND (1.0) [a]
-	-	-	-	ND (0.20)	ND (0.20)
-	-	-	-	ND (0.40)	ND (0.40)
-	-	-	-	ND (0.26)	ND (0.26)
-	-	-	-	ND (0.25)	ND (0.25)
-	-	-	-	ND (0.28)	ND (0.28)
-	-	-	-	ND (0.78)	ND (0.78)
-	-	-	-	ND (0.24)	ND (0.24)
-	-	-	-	ND (0.24)	ND (0.24)
-	-	-	-	ND (0.36)	ND (0.36)
-	-	-	-	ND (0.34)	ND (0.34)
-	-	-	-	ND (0.33)	ND (0.33)
-	-	-	-	2.4	ND (0.36)
-	-	-	-	ND (0.33)	ND (0.33)

-	-	-	-	ND (0.33)	ND (0.33)
-	-	-	-	ND (0.21)	ND (0.21)
-	-	-	-	ND (0.20)	ND (0.20)
-	-	-	-	ND (0.29)	ND (0.29)
-	-	-	-	ND (0.20)	ND (0.20)
-	-	-	-	ND (0.34)	ND (0.34)
-	-	-	-	ND (0.21)	ND (0.21)
-	-	-	-	ND (0.28)	ND (0.28)
-	-	-	-	ND (2.0)	ND (2.0)
-	-	-	-	ND (0.50)	ND (0.50)
-	-	-	-	ND (0.20)	ND (0.20)
-	-	-	-	ND (0.24)	ND (0.24)
-	-	-	-	ND (1.0)	ND (1.0)
-	-	-	-	ND (0.54)	ND (0.54)
-	-	-	-	ND (0.53)	ND (0.53)
-	-	-	-	ND (0.29)	ND (0.29)
-	-	-	-	ND (2.0)	ND (2.0)
-	-	-	-	ND (1.5)	ND (1.5)
-	-	-	-	ND (0.20)	ND (0.20)
-	-	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
-	-	-	-	ND (0.24)	ND (0.24)
-	-	-	-	ND (0.23)	ND (0.23)
-	-	-	-	ND (0.25)	ND (0.25)
-	-	-	-	ND (0.34)	ND (0.34)
-	-	-	-	ND (0.27)	ND (0.27)
-	-	-	-	ND (0.32)	ND (0.32)
-	-	-	-	ND (0.50)	ND (0.50)
-	-	-	-	ND (0.57)	ND (0.57)
-	-	-	-	ND (0.50)	ND (0.50)
-	-	-	-	ND (0.24)	ND (0.24)
-	-	-	-	ND (0.20)	ND (0.20)
-	-	-	-	ND (0.26)	ND (0.26)
-	-	-	-	ND (0.20)	0.27 J
-	-	-	-	ND (0.30)	ND (0.30)
-	-	-	-	ND (0.50)	ND (0.50)
-	-	-	-	ND (0.33)	ND (0.33)
-	-	-	-	ND (2.0) [a]	ND (2.0) [a]
-	-	-	-	ND (0.48)	ND (0.48)
-	-	-	-	ND (0.20)	ND (0.20)

ND (9.4)	ND (9.4)	14.0 J	55	12.2 J	-
-	-	ND (0.49)	ND (0.49)	ND (0.49)	-
-	-	-	-	ND (0.48)	-
-	-	-	-	ND (0.55)	-
-	-	-	-	ND (0.48)	-

-	-	-	-	ND (5.2)	-
-	-	-	-	ND (1.9)	-
-	-	-	-	ND (0.48)	-
ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	-
-	ND (0.56)	ND (0.57)	-	ND (0.57)	-
-	-	-	-	ND (4.8)	-
-	-	-	-	ND (4.8)	-
-	-	-	-	0.78 J	-
-	-	-	-	ND (0.93)	-
-	-	-	-	ND (0.53)	-
-	-	-	-	ND (0.48)	-
-	-	ND (0.48)	ND (0.47)	ND (0.48)	-
-	-	-	-	ND (0.95)	-
-	-	-	-	ND (0.59)	-
-	-	-	-	ND (4.8)	-
-	-	-	-	ND (0.61)	-
-	-	-	-	ND (0.62)	-
-	-	-	-	ND (0.68)	-
-	-	-	-	ND (0.77)	-
-	-	-	-	ND (0.49)	-
-	-	-	-	ND (0.64)	-
-	-	-	-	1.1 J	-
6.7	26.9	1.7 J	ND (0.94)	2.1 J	-
-	-	-	-	ND (0.53)	-
-	-	-	-	ND (0.48)	-
-	-	-	-	ND (0.59)	-
-	-	-	-	ND (0.69)	-
-	-	-	-	ND (0.52)	-
-	-	-	-	ND (0.66)	-
-	-	-	-	ND (0.55)	-
-	-	-	-	ND (0.51)	-
-	-	-	-	ND (0.48)	-
-	-	ND (0.64)	-	ND (0.64)	-
-	-	-	-	ND (0.48)	-
-	-	-	-	ND (0.48)	-
-	-	-	-	ND (0.54)	-
-	-	-	-	ND (0.60)	-
-	-	-	-	ND (0.86)	-
-	-	-	-	ND (0.77)	-
-	-	-	-	ND (0.51)	-
-	-	-	-	1.1 J	-
-	-	-	-	1.0 J	-
-	-	-	-	ND (0.95)	-
-	-	-	-	ND (0.60)	-
3.1 J	2.2 J	ND (1.5)	1.8 J	2.2 J	-
-	-	-	-	ND (0.67)	-
-	-	-	-	ND (0.48)	-

-	-	-	-	ND (0.63)	-
-	-	-	-	ND (0.48)	-
-	-	-	-	ND (0.95)	-
-	-	-	-	ND (0.48)	-
-	-	-	-	ND (0.60)	-
-	-	-	-	ND (0.48)	-
-	-	-	-	ND (0.48)	-
-	-	-	-	ND (0.51)	-
-	-	-	-	ND (1.1)	-
-	-	-	-	ND (0.58)	-
-	-	-	-	ND (0.72)	-
-	-	-	ND (0.47)	ND (0.48)	-
-	-	-	-	ND (0.48)	-
-	-	-	-	ND (0.95)	-
-	-	-	-	ND (0.48)	-
-	-	-	-	ND (0.51)	-
-	-	-	-	ND (0.57)	-
-	-	-	-	ND (0.78)	-
-	-	-	-	ND (1.9)	-
-	-	-	-	ND (0.48)	-

ND (0.0047)	-	-	ND (0.0094)	-	-
0.0072 J [b]	-	-	ND (0.0094)	-	-

-	-	ND (0.19)	-	-	-

2220	976	1260	1570	1160	-
6.8	<6.0	<6.0	**6.1**	<6.0	-
<10	<10	<10	<10	<10	-
659	1050	255	<200	203	-
<4.0	<4.0	<4.0	<4.0	<4.0	-
23.2	<5.0	<5.0	<5.0	<5.0	-
50700	60500	50000	61500	50300	-
74.5	**108**	34.3	34.1	32.1	-
<50	<50	<50	<50	<50	-
139	73.4	97.8	60.2	98.1	-
2620	2660	1970	2350	1740	-
118	**264**	**68.4**	**88.1**	**69.2**	-
15100	15900	15300	15100	14900	-
82.1	**118**	**55.3**	**78**	**56.5**	-
0.96	0.55	<0.50	<0.50	<0.50	-

<50	<50	<50	<50	<50	-
<40	<40	<40	<40	<40	-
10500	21500	<10000	<10000	<10000	-
<10	<10	<10	<10	<10	-
<10	<10	<10	<10	<10	-
106000	189000	101000	104000	100000	-
324	266	258	278	254	-
<10	<10	<10	<10	<10	-
<50	<50	<50	<50	<50	-
224	32.2	103	92.1	95.7	-
<50	<50	<50	<50	<50	-
510	583	525	382	538	-

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erenced regulation. It is the responsibility of the user to

Accutest			Mar 12, 2014 15:45 pm
Job Number:	FA12080R		
Account:	ISI Environmental Services		
Project:	Clean Harbors; Wichita, KS		
Project Number:			
Legend:		Detection	Exceed
Client Sample ID:		KS Tier 2 Risk Based Standards	BLD B RM 5
Lab Sample ID:		Residential	FA12080-4FR
Date Sampled:		GW	1/28/2014
Matrix:		(KDHE 03/2014)	Water Filtered
Metals Analysis			
Barium	ug/l	2000	<200
Lead	ug/l	15	<5.0

Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advisory purposes only. Accutest assumes no responsibility for errors in regulatory documents or changes to criteria detailed in later versions of the referenced regulation. It is the responsibility of the user to verify these limits before using or reporting any data.

Accutest Laboratories Southeast, Inc.

Job Number:	**FA12080**
Account:	**ISI Environmental Services**
Project:	**Clean Harbors; Wichita, KS**
Project Number:	**SUMMIT - FA12080**

		Legend:	Detection	Exceed
Client Sample ID:		**KS Tier 2 Risk Based Standards Residential GW (KDHE 03/2014)**	**BLD B RMS 1-3(1)**	**Bld B RMS 4-7(2)**
Lab Sample ID:			**11X**	**10X**
Date Sampled:			**1/28/2014**	**1/28/2014**
Matrix:			**Water**	**Water**

DIOXIN / FURANS RESULTS

2378-TCDF	pg/L	-	46	87
12378-PeCDF	pg/L	-	ND(5.0)	ND(5.0)
23478-PeCDF	pg/L	-	5.7	8.2
123478-HxCDF	pg/L	-	12	15
123678-HxCDF	pg/L	-	11	12
234678-HxCDF	pg/L	-	9.2	11
123789-HxCDF	pg/L	-	ND(5.0)	ND(5.0)
1234678-HpCDF	pg/L	-	180	210
1234789-HpCDF	pg/L	-	14	14
OCDF	pg/L	4930000	480	710
2378-TCDD	pg/L	30	ND(1.0)	9.7
12378-PeCDD	pg/L	-	10	9.8
123478-HxCDD	pg/L	-	16	11
123678-HxCDD	pg/L	-	41	28
123789HxCDD	pg/L	-	21	9.9
1234678-HpCDD	pg/L	-	1500	1100
OCDD	pg/L	-	12000	9400

Notes:

(1) - Sample was a composite of Rinse Water from Building B - Rooms (RM) 1, 2, and 3.

(2) - Sample was a composite of Rinse Water from Building B - Rooms (RM) 4, 5, 6, and 7.

Building B Shallow Soil Samples Results
Clean Harbors Wichita

Sample ID		BC-1-0.5	BC-2-0.5	BC-3-0.5	BC-4-0.5
Boring ID		BC-1	BC-2	BC-3	BC-4
Depth (ft. bgs.)		0.5	0.5	0.5	0.5
Date Collected	IAO (ug/kg)	10/17/2013	10/17/2013	10/17/2013	10/17/2013
Volatile Organic Compounds					
1,1,1-Trichloroethane	2800	8.4	12.7	3.7	2.9
1,1,2,2-Tetrachloroethane	16	<3.3	<2.8	<3.1	<4.4
1,1,2-Trichloroethane	81	<3.3	<2.8	<3.1	<4.4
1,1-Dichloroethane	269	<3.3	<2.8	<3.1	<4.4
1,1-Dichloroethene	85.9	<3.3	<2.8	<3.1	<4.4
1,2,4-Trimethylbenzene	1070	<3.3	<2.8	<3.1	<4.4
1,2-Dichlorobenzene	48400	<3.3	<2.8	<3.1	<4.4
1,2-Dichloroethane	60	<3.3	<2.8	<3.1	<4.4
1,2-Dichloropropane	81.7	<3.3	<2.8	<3.1	<4.4
1,3,5-Trimethylbenzene	5510	<3.3	<2.8	<3.1	<4.4
1,4-Dichlorobenzene	5940	<3.3	<2.8	<3.1	<4.4
1,4-Dioxane	38.4	<130	<110	<120	<180
2-Butanone	24200	<17	<14	<16	<22
2-Hexanone	140000	<17	<14	<16	<22
4-Isopropyltoluene	NA	<3.3	<2.8	<3.1	<4.4
4-Methyl-2-Pentanone	6690	<17	<14	<16	<22
Acetone	51600	<33	<28	<31	<44
Benzene	168	<3.3	<2.8	<3.1	<4.4
Carbon Disulfide	6710	<3.3	<2.8	<3.1	<4.4
Carbon Tetrachloride	73.4	<3.3	<2.8	<3.1	<4.4
Chlorobenzene	5100	<3.3	<2.8	<3.1	<4.4
Chloroethane	128000	<3.3	<2.8	<3.1	<4.4
Chloroform	850	<3.3	<2.8	<3.1	<4.4
Cis-1,2-Dichloroethene	855	<3.3	<2.8	<3.1	<4.4
Ethylbenzene	65600	<3.3	<2.8	<3.1	<4.4
Hexachlorobutadiene	1100	<3.3	<2.8	<3.1	<4.4
Isopropylbenzene	65100	<3.3	<2.8	<3.1	<4.4
M,P-Xylenes	809000	<6.6	<5.5	<6.2	<8.8
Methyl Tert-Butyl Ether	848	<3.3	<2.8	<3.1	<4.4
Methylene Chloride	42.9	<6.6	<5.5	<6.2	<8.8
Naphthalene	349	<3.3	<2.8	<3.1	<4.4
N-Butylbenzene	50900	<3.3	<2.8	<3.1	<4.4
N-Propylbenzene	110000	<3.3	<2.8	<3.1	<4.4
O-Xylene	809000	<3.3	<2.8	<3.1	<4.4
Sec-Butylbenzene	82700	<3.3	<2.8	<3.1	<4.4
Styrene	9340	<3.3	<2.8	<3.1	<4.4
Tert-Butylbenzene	10000000	<3.3	<2.8	<3.1	<4.4
Tetrachloroethene	121	112	**20300**	24.1	7.9
Toluene	51200	<3.3	<2.8	<3.1	<4.4
Trans-1,2-Dichloroethene	1220	<3.3	<2.8	<3.1	<4.4
Trichloroethene	84.2	2.9	53.6	5.5	2.7
Vinyl Chloride	20.5	<3.3	<2.8	<3.1	<4.4

Building B Shallow Soil Samples Results
Clean Harbors Wichita

Sample ID		BC-1-0.5	BC-2-0.5	BC-3-0.5	BC-4-0.5
Boring ID		BC-1	BC-2	BC-3	BC-4
Depth (ft. bgs.)		0.5	0.5	0.5	0.5
Date Collected	IAO (ug/kg)	10/17/2013	10/17/2013	10/17/2013	10/17/2013
Semi-Volatile Organic Compounds					
1-Methylnaphthalene	2190	<190	36.9	<380	<190
2,4-Dimethylphenol	29900	<190	<200	<380	<190
2-Methylnaphthalene	8340	<190	37.9	<380	<190
2-Methylphenol	48600	<190	<200	<380	<190
Acenaphthene	255000	<190	44	<380	<190
Acenaphthylene	NA	<190	57.7	<380	<190
Aniline	1950	<190	<200	<380	<190
Anthracene	3770000	<190	130	<380	<190
Benzo(A)Anthracene	7890	22.5	273	<380	38.9
Benzo(A)Anthracene	7890	22.5	273	<380	38.9
Benzo(A)Pyrene	23500	<190	234	<380	36.9
Benzo(B)Fluoranthene	19200	25.2	326	<380	44.4
Benzo(G,H,I)Perylene	NA	<190	130	<380	27.5
Benzo(K)Fluoranthene	190000	<190	137	<380	38.2
Benzyl Alcohol	NA	<190	<200	<380	<190
Bis(2-Ethylhexyl) Phthalate	144000	<390	<390	<760	<380
Butyl Benzyl Phthalate	478000	<190	<200	<380	<190
Carbazole	52700	<190	50.7	<380	<190
Chrysene	805000	28.1	314	<380	48.6
Dibenz(A,H)Anthracene	3080	<190	38	<380	<190
Dibenzofuran	7590	<190	41.7	<380	<190
Dimethyl Phthalate	NA	<190	<200	<380	<190
Di-N-Butyl Phthalate	318000	<390	<390	6170	220
Fluoranthene	2830000	37.8	473	<380	62.9
Fluorene	297000	<190	55.7	<380	<190
Hexachlorobenzene	1240	<190	<200	<380	<190
Hexachlorobutadiene	1100	<190	<200	<380	<190
Indeno(1,2,3-Cd)Pyrene	45500	<190	137	<380	32.4
Isophorone	1800000	<190	<200	<380	42.1
M-,P-Cresol Mixture	NA	<190	<200	<380	<190
Naphthalene	349	<190	23.2	<380	<190
N-Nitrosodiphenylamine	350000	<190	<200	<380	<190
Phenanthrene	NA	40.2	501	<380	42.6
Phenol	189000	<190	<200	<380	<190
Pyrene	2190000	32.4	455	<380	50.6

Building B Shallow Soil Samples Results
Clean Harbors Wichita

Sample ID		BC-1-0.5	BC-2-0.5	BC-3-0.5	BC-4-0.5
Boring ID		BC-1	BC-2	BC-3	BC-4
Depth (ft. bgs.)		0.5	0.5	0.5	0.5
Date Collected	IAO (ug/kg)	10/17/2013	10/17/2013	10/17/2013	10/17/2013
Pesticides Herbicides and PCBs					
2,4,5-T	3750	<38	<38	<38	<38
2,4-D	NA	<380	<380	<380	<380
2,4-Db	NA	<380	<380	<380	<380
Dalapon	929	<1900	<1900	<1900	<1900
Dicamba	NA	<38	<38	<38	<38
Dichlorprop	NA	<380	<380	<380	<380
Dinoseb	NA	<950	<1900	<950	<960
Mcpa	NA	<38000	<38000	<38000	<38000
Mcpp	NA	<38000	<38000	<38000	<38000
Pentachlorophenol	996	<38	<38	57	<38
Silvex (2,4,5-TP)	NA	<38	<38	<38	<38
Pcb-1016	NA	<19	<19	<1900	<380
Pcb-1221	NA	<19	<19	<1900	<380
Pcb-1232	NA	<19	<19	<1900	<380
Pcb-1242	NA	<19	<19	<1900	<380
Pcb-1248	NA	<19	<19	<1900	<380
Pcb-1254	50000	<19	<19	<1900	<380
Pcb-1260	NA	<19	<19	<1900	<380
4,4'-DDD	31800	<3.9	<3.9	<76	<38
4,4'-DDE	24100	<3.9	<3.9	<76	<38
4,4'-DDT	24600	<3.9	<3.9	<76	<38
Aldrin	NA	<1.9	<1.9	<38	<19
alpha-BHC	NA	<1.9	<1.9	<38	<19
Alpha-Chlordane	NA	<1.9	<1.9	27.3 J	<19
beta-BHC	NA	<1.9	<1.9	<38	<19
delta-BHC	NA	<1.9	<1.9	<38	<19
Dieldrin	193	<1.9	<1.9	<38	<19
Endosulfan I	NA	<1.9	<1.9	<38	<19
Endosulfan II	NA	<1.9	<1.9	<38	<19
Endosulfan Sulfate	NA	<3.9	<3.9	<76	<38
Endrin	NA	<3.9	<3.9	<76	<38
Endrin Aldehyde	NA	<3.9	<3.9	<76	<38
Endrin Ketone	NA	<3.9	<3.9	<76	<38
gamma-BHC (Lindane)	NA	<1.9	<1.9	<38	<19
Gamma-Chlordane	NA	<1.9	<1.9	47.3	<19
Heptachlor	NA	<1.9	<1.9	<38	<19
Heptachlor Epoxide	405	<1.9	<1.9	19.1 J	<19
Methoxychlor	215000	<3.9	<3.9	<76	<38
Toxaphene	46300	<97	<97	2150	<960

Building B Shallow Soil Samples Results
Clean Harbors Wichita

Sample ID		BC-1-0.5	BC-2-0.5	BC-3-0.5	BC-4-0.5
Boring ID		BC-1	BC-2	BC-3	BC-4
Depth (ft. bgs.)		0.5	0.5	0.5	0.5
Date Collected	IAO (ug/kg)	10/17/2013	10/17/2013	10/17/2013	10/17/2013
Metals					
Aluminum	NA	15800	16000	16200	15000
Antimony	817	<4.8	<5	<4.5	<4.8
Arsenic	63.2	7.9	8.3	6.2	5.9
Barium	277000	180	234	194	174
Beryllium	3650	<1.2	<1.3	<1.1	<1.2
Boron	NA	NA	NA	NA	NA
Cadmium	965	<0.97	1.3	<0.9	<0.96
Calcium	NA	5480	5890	5520	5740
Chromium	111	18.2	20	18.2	175
Cobalt	579	<12	<13	<11	<12
Copper	81700	20.2	33.7	17.7	18.2
Iron	NA	17900	21300	16600	16600
Lead	1000	66.3	128	45.5	575
Lithium	NA	NA	NA	NA	NA
Magnesium	NA	4280	4180	3860	3620
Manganese	66200	404	396	396	349
Mercury	20	0.06	0.07	0.04	0.04
Molybdenum	NA	<12	<13	<11	<12
Nickel	32400	21.2	25.4	16.6	16.9
Potassium	NA	3370	3580	3150	2990
Selenium	10200	<4.8	<5.0	<4.5	<4.8
Silver	10200	<2.4	<2.5	<2.3	<2.4
Sodium	NA	<2400	<2500	<2300	<2400
Strontium	NA	60.1	75.7	51.5	61.2
Thallium	NA	<2.4	<2.5	<2.3	<2.4
Tin	NA	<12	<13	<11	13
Titanium	NA	102	118	112	149
Vanadium	NA	29.3	28.2	29.3	27.5
Zinc	613000	151	399	114	160

Notes:
IAO - Interim Action Objective (ug/kg) from the DRAFT Interim Measures Work Plan
NA - Not Applicable

Unit	Comments	Inventory
Room 1		None
		None
Room 2		None
		None
Room 3		None
		None
Room 4		None
		None
Room 5		None
		None
Room 6	Concrete in northern portion of room 6 to be disposed of at LM due to impacted soil underlying	None
		None
Room 7		None
		None

Inventory - List all items removed from unit and provide reference to location where they were moved (
LM - Lone Mountain.

Clean Harbo
Building B Decontam

Decontamination Complete (date)	Rinsate Samples Collected (PE Required) (date)
1/7/2014 to 1/13/2014	1/28/2014
2/10/2014 to 2/18/2014	2/18/2014
1/7/2014 to 1/13/2014	1/28/2014
2/10/2014 to 2/18/2014	2/18/2014
1/7/2014 to 1/13/2014	1/28/2014
2/10/2014 to 2/18/2014	2/18/2014
1/7/2014 to 1/13/2014	1/28/2014
2/10/2014 to 2/18/2014	2/18/2014
1/7/2014 to 1/13/2014	1/28/2014
2/10/2014 to 2/18/2014	2/18/2014
1/7/2014 to 1/13/2014	1/28/2014
2/10/2014 to 2/18/2014	2/18/2014
1/7/2014 to 1/13/2014	1/28/2014
2/10/2014 to 2/18/2014	2/18/2014

e.g. manifest number, tank number for rinse water, etc.). Use separate sheet if

rs Wichita
ıination Summary

Internal Review	Follow up Actions	Submitted to State/EPA (date)
Organic exceedances	Repeat Decon	
organics pass	submit results	
Organic exceedances	Repeat Decon	
organics pass	submit results	
Organic exceedances	Repeat Decon	
organics pass	submit results	
Organic exceedances	Repeat Decon	
organics pass	submit results	
Organic exceedances	Repeat Decon	
organics pass	submit results	
Organic exceedances	Repeat Decon	
organics pass	submit results	
Organic exceedances	Repeat Decon	
organics pass	submit results	

necessary.

Determination	Agency Determination Via? (phone, email etc.)	Date

Accutest Laboratories Southeast, Inc.

Mar 03, 2014 17:27 pm

Job Number:	FA12080
Account:	ISI Environmental Services
Project:	Clean Harbors; Wichita,KS
Project Number:	

Legend: Detection | Exceed

Client Sample ID:		KS Tier 2 Risk Based Standards Residential GW (KDHE 03/2014)	TAP WATER	BLD B RM 1	BLD B RM 2	BLD B RM 3	BLD B RM 4	BLD B RM 5	BLD B RM 6	BLD B RM 7	TRIP BLANK
Lab Sample ID:			FA12080-8	FA12080-7	FA12080-6	FA12080-5	FA12080-3	FA12080-4	FA12080-1	FA12080-2	FA12080-9
Date Sampled:			1/28/2014	1/28/2014	1/28/2014	1/28/2014	1/28/2014	1/28/2014	1/28/2014	1/28/2014	1/28/2014
Matrix:			Water	Water	Water	Water	Water	Water	Water	Water	Trip Blank Water
GC/MS Volatiles (SW846 8260B)											
Acetone	ug/l	11500	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)
Acrolein	ug/l	0.0415	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)
Acrylonitrile	ug/l	0.491	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Benzene	ug/l	5	ND (0.24)	6.6	0.60 J	0.96 J	1.8	0.69 J	1.9	3.3	ND (0.24)
Bromobenzene	ug/l	-	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)
Bromochloromethane	ug/l	-	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)
Bromodichloromethane	ug/l	80	8.6	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	2.5	ND (0.26)	ND (0.26)	ND (0.26)
Bromoform	ug/l	80	2.1	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	0.60 J	ND (0.38)	ND (0.38)	ND (0.38)
n-Butylbenzene	ug/l	169	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)
sec-Butylbenzene	ug/l	30.5	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)
tert-Butylbenzene	ug/l	-	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Chlorobenzene	ug/l	100	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
Chloroethane	ug/l	14000	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Chloroform	ug/l	80	6.7	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	1.7	ND (0.31)	ND (0.31)	ND (0.31)
o-Chlorotoluene	ug/l	88.9	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
p-Chlorotoluene	ug/l	-	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
2-Chloroethyl vinyl ether	ug/l	-	ND (1.0) [a]	ND (1.0) [a]	ND (1.0) [a]	ND (1.0) [a]	ND (1.0) [a]	ND (1.0) [a]	ND (1.0) [a]	ND (1.0) [a]	ND (1.0) [a]
Carbon disulfide	ug/l	716	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	0.27 J	ND (0.20)	ND (0.20)	0.25 J	ND (0.20)
Carbon tetrachloride	ug/l	5	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)
1,1-Dichloroethane	ug/l	25	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)
1,1-Dichloroethylene	ug/l	7	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
1,1-Dichloropropene	ug/l	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)
1,2-Dibromo-3-chloropropane	ug/l	0.2	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)
1,2-Dibromoethane	ug/l	0.05	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
1,2-Dichloroethane	ug/l	5	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
1,2-Dichloropropane	ug/l	5	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)
1,3-Dichloropropane	ug/l	-	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
2,2-Dichloropropane	ug/l	-	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
Dibromochloromethane	ug/l	80	9.3	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.36)	2.8	ND (0.36)	ND (0.36)	ND (0.36)
Dichlorodifluoromethane	ug/l	366	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
cis-1,2-Dichloroethylene	ug/l	70	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
cis-1,3-Dichloropropene	ug/l	-	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)
m-Dichlorobenzene	ug/l	-	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)

Pentachlorophenol	ug/l	1	ND (19)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	-
Phenol	ug/l	4560	ND (1.9)	9	4.0 J	82.7	6.6	7.2	96.2	9.3	-
2,4,5-Trichlorophenol	ug/l	1260	ND (3.7)	ND (0.92)	ND (0.92)	ND (0.92)	ND (0.92)	ND (0.92)	ND (0.92)	ND (0.92)	-
2,4,6-Trichlorophenol	ug/l	12.7	ND (2.1)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	-
Acenaphthene	ug/l	253	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
Acenaphthylene	ug/l	-	ND (1.9)	0.68 J	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	0.72 J	1.3 J	-
Aniline	ug/l	-	ND (3.8)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	-
Anthracene	ug/l	1150	ND (2.3)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	-
Benzidine	ug/l	0.00367	ND (19)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	-
Benzo(a)anthracene	ug/l	0.223	ND (2.4)	ND (0.61)	ND (0.61)	ND (0.61)	ND (0.61)	ND (0.61)	ND (0.61)	ND (0.61)	-
Benzo(a)pyrene	ug/l	0.2	ND (2.5)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	-
Benzo(b)fluoranthene	ug/l	0.16	ND (2.7)	ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)	-
Benzo(g,h,i)perylene	ug/l	-	ND (3.0)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	-
Benzo(k)fluoranthene	ug/l	1.62	ND (1.9)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	-
4-Bromophenyl phenyl ether	ug/l	-	ND (2.5)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	-
Butyl benzyl phthalate	ug/l	333	ND (3.1)	190	12.2	6.3	3.9 J	ND (0.77)	19.9	ND (0.77)	-
Benzyl Alcohol	ug/l	-	ND (3.8)	18.1	18.5	24.8	5.1	34.4	8.3	8.5	-
2-Chloronaphthalene	ug/l	344	ND (2.1)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	-
4-Chloroaniline	ug/l	-	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
Carbazole	ug/l	28.7	ND (2.3)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	-
Chrysene	ug/l	22.3	ND (2.7)	ND (0.68)	ND (0.68)	ND (0.68)	ND (0.68)	ND (0.68)	ND (0.68)	ND (0.68)	-
bis(2-Chloroethoxy)methane	ug/l	-	ND (2.1)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	-
bis(2-Chloroethyl)ether	ug/l	0.124	ND (2.6)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	-
bis(2-Chloroisopropyl)ether	ug/l	-	ND (2.2)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	-
4-Chlorophenyl phenyl ether	ug/l	-	ND (2.0)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	-
1,2-Dichlorobenzene	ug/l	600	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
1,2-Diphenylhydrazine	ug/l	-	ND (2.5)	ND (0.64)	ND (0.64)	ND (0.64)	ND (0.64)	ND (0.64)	1.3 J	ND (0.64)	-
1,3-Dichlorobenzene	ug/l	-	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
1,4-Dichlorobenzene	ug/l	75	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
2,4-Dinitrotoluene	ug/l	2.67	ND (2.1)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	-
2,6-Dinitrotoluene	ug/l	0.557	ND (2.4)	**0.74 J**	ND (0.59)	**1.1 J**	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	-
3,3'-Dichlorobenzidine	ug/l	-	ND (3.4)	ND (0.85)	ND (0.85)	ND (0.85)	ND (0.85)	ND (0.85)	ND (0.85)	ND (0.85)	-
Dibenzo(a,h)anthracene	ug/l	0.00805	ND (3.1)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	-
Dibenzofuran	ug/l	4.13	ND (2.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	-
Di-n-butyl phthalate	ug/l	1350	ND (3.8)	2.4 J	2.0 J	7.3	96.5	55.9	19.8	2.3 J	-
Di-n-octyl phthalate	ug/l	18.4	ND (3.8)	2.4 J	2.1 J	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	-
Diethyl phthalate	ug/l	12200	ND (3.8)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	-
Dimethyl phthalate	ug/l	155000	ND (2.4)	0.81 J	2.1 J	1.0 J	2.1 J	6.9	1.7 J	5.5	-
bis(2-Ethylhexyl)phthalate	ug/l	6	ND (6.0)	**32.5**	**11.8**	**8.2**	**36.5**	**45.8**	4.7	**16.5**	-
Fluoranthene	ug/l	255	ND (2.6)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	-
Fluorene	ug/l	162	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
Hexachlorobenzene	ug/l	1	ND (2.5)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	-
Hexachlorobutadiene	ug/l	6.32	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
Hexachlorocyclopentadiene	ug/l	50	ND (3.8)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	-
Hexachloroethane	ug/l	9.14	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
Indeno(1,2,3-cd)pyrene	ug/l	0.117	ND (2.4)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	-
Isophorone	ug/l	-	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
1-Methylnaphthalene	ug/l	4.29	ND (1.9)	0.96 J	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
2-Methylnaphthalene	ug/l	16.7	ND (2.0)	1.7 J	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	0.71 J	0.78 J	-
2-Nitroaniline	ug/l	-	ND (4.5)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	-

o-Dichlorobenzene	ug/l	600	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
p-Dichlorobenzene	ug/l	75	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
trans-1,2-Dichloroethylene	ug/l	100	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
trans-1,3-Dichloropropene	ug/l	-	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)
Ethylbenzene	ug/l	700	ND (0.28)	1.9	ND (0.28)	0.53 J	0.39 J	ND (0.28)	0.40 J	0.54 J	ND (0.28)
2-Hexanone	ug/l	-	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	10.3	ND (2.0)
Hexachlorobutadiene	ug/l	6.32	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Isopropylbenzene	ug/l	451	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
p-Isopropyltoluene	ug/l	-	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
4-Methyl-2-pentanone	ug/l	1020	ND (1.0)	ND (1.0)	ND (1.0)	1.5 J	7.3	ND (1.0)	4.2 J	8.4	ND (1.0)
Methyl bromide	ug/l	7.02	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
Methyl chloride	ug/l	127	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	1.3 J	ND (0.53)	0.72 J	0.82 J	ND (0.53)
Methylene bromide	ug/l	-	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Methylene chloride	ug/l	5	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Methyl ethyl ketone	ug/l	4920	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)
Methyl Tert Butyl Ether	ug/l	133	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Naphthalene	ug/l	1.11	ND (1.0)	8	ND (1.0)	1.2 J	1.5 J	ND (1.0)	2.9 J	2.2 J	ND (1.0)
n-Propylbenzene	ug/l	660	ND (0.24)	0.33 J	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
Styrene	ug/l	100	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	0.23 J	ND (0.23)
1,1,1,2-Tetrachloroethane	ug/l	5.35	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
1,1,1-Trichloroethane	ug/l	200	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
1,1,2,2-Tetrachloroethane	ug/l	0.694	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)
1,1,2-Trichloroethane	ug/l	5	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)
1,2,3-Trichlorobenzene	ug/l	-	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,2,3-Trichloropropane	ug/l	0.00468	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)
1,2,4-Trichlorobenzene	ug/l	70	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,2,4-Trimethylbenzene	ug/l	8.44	ND (0.24)	1.7 J	ND (0.24)	0.28 J	0.30 J	ND (0.24)	0.57 J	0.40 J	ND (0.24)
1,3,5-Trimethylbenzene	ug/l	44	ND (0.20)	2	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Tetrachloroethylene	ug/l	5	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)
Toluene	ug/l	1000	ND (0.20)	11	0.79 J	1.6	1.2	0.91 J	1.6	2	ND (0.20)
Trichloroethylene	ug/l	5	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)
Trichlorofluoromethane	ug/l	1090	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Vinyl chloride	ug/l	2	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
Vinyl Acetate	ug/l	406	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
m,p-Xylene	ug/l	10000	ND (0.48)	5.4	0.86 J	1.5 J	1.1 J	0.56 J	1.2 J	1.6 J	ND (0.48)
o-Xylene	ug/l	10000	ND (0.20)	2.6	0.66 J	1	0.82 J	0.28 J	0.57 J	1	ND (0.20)
GC/MS Semi-volatiles (SW846 8270D)											
Benzoic Acid	ug/l	-	ND (38)	30.4 J	80.1 J	171 J	87.4 J	1450 J	200	685	-
2-Chlorophenol	ug/l	-	ND (2.0)	0.55 J	ND (0.49)	0.50 J	ND (0.49)	ND (0.49)	0.74 J	ND (0.49)	-
4-Chloro-3-methyl phenol	ug/l	-	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
2,4-Dichlorophenol	ug/l	41.2	ND (2.2)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	-
2,4-Dimethylphenol	ug/l	292	ND (1.9)	1.3 J	ND (0.47)	0.49 J	0.62 J	0.81 J	2.5 J	1.2 J	-
2,4-Dinitrophenol	ug/l	31	ND (21)	ND (5.1)	ND (5.1)	ND (5.1)	ND (5.1)	ND (5.1)	ND (5.1)	ND (5.1)	-
4,6-Dinitro-o-cresol	ug/l	-	ND (7.5)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	-
2-Methylphenol	ug/l	744	ND (1.9)	2.3 J	ND (0.47)	ND (0.47)	0.95 J	1.2 J	4.2 J	2.2 J	-
3&4-Methylphenol	ug/l	-	ND (4.4)	3.4 J	ND (1.1)	1.8 J	2.0 J	2.8 J	9	4.3 J	-
2-Nitrophenol	ug/l	-	ND (2.3)	ND (0.56)	0.78 J	1.0 J	ND (0.56)	0.86 J	0.86 J	ND (0.56)	-
4-Nitrophenol	ug/l	-	ND (19)	ND (4.7)	4.8 J	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	-

3-Nitroaniline	ug/l	-	ND (2.3)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	-
4-Nitroaniline	ug/l	-	ND (2.9)	ND (0.72)	ND (0.72)	ND (0.72)	ND (0.72)	ND (0.72)	ND (0.72)	ND (0.72)	-
Naphthalene	ug/l	1.11	ND (1.9)	**4.2 J**	ND (0.47)	0.77 J	1.0 J	0.82 J	**1.5 J**	**2.3 J**	-
Nitrobenzene	ug/l	1.01	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
N-Nitrosodimethylamine	ug/l	-	ND (3.8)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)	-
N-Nitroso-di-n-propylamine	ug/l	-	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
N-Nitrosodiphenylamine	ug/l	-	ND (2.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	-
Phenanthrene	ug/l	-	ND (2.2)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	-
Pyrene	ug/l	202	ND (3.1)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	ND (0.77)	-
Pyridine	ug/l	4.96	ND (7.5)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	-
1,2,4-Trichlorobenzene	ug/l	70	ND (1.9)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	-
GC Semi-volatiles (SW846 8081B)											
Aldrin	ug/l	0.0495	ND (0.0047)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.047)	ND (0.024)	ND (0.047)	ND (0.047)	-
alpha-BHC	ug/l	-	ND (0.0047)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.047)	ND (0.024)	ND (0.047)	ND (0.047)	-
beta-BHC	ug/l	-	ND (0.0047)	ND (0.024)	0.072 J	ND (0.024)	0.52	ND (0.024)	ND (0.047)	0.38 J	-
delta-BHC	ug/l	-	ND (0.0047)	ND (0.024)	0.098 J	ND (0.024)	0.12 J	ND (0.024)	ND (0.047)	0.071 J	-
gamma-BHC (Lindane)	ug/l	0.2	ND (0.0047)	ND (0.024)	ND (0.024)	ND (0.024)	0.055 J	ND (0.024)	ND (0.047)	ND (0.047)	-
alpha-Chlordane	ug/l	-	ND (0.0047)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.047)	ND (0.024)	ND (0.047)	ND (0.047)	-
gamma-Chlordane	ug/l	-	ND (0.0047)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.047)	ND (0.024)	ND (0.047)	ND (0.047)	-
Dieldrin	ug/l	0.048	ND (0.0047)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.047)	ND (0.024)	ND (0.047)	ND (0.047)	-
4,4'-DDD	ug/l	1.35	ND (0.0094)	ND (0.047)	ND (0.047)	ND (0.047)	ND (0.094)	ND (0.047)	ND (0.094)	ND (0.094)	-
4,4'-DDE	ug/l	1.03	ND (0.0094)	ND (0.047)	ND (0.047)	ND (0.047)	ND (0.094)	ND (0.047)	ND (0.094)	ND (0.094)	-
4,4'-DDT	ug/l	0.73	ND (0.0094)	ND (0.047)	ND (0.047)	ND (0.047)	ND (0.094)	ND (0.047)	ND (0.094)	ND (0.094)	-
Endrin	ug/l	2	ND (0.0094)	ND (0.047)	ND (0.047)	ND (0.047)	ND (0.094)	ND (0.047)	ND (0.094)	ND (0.094)	-
Endosulfan sulfate	ug/l	-	ND (0.0094)	ND (0.047)	ND (0.047)	ND (0.047)	ND (0.094)	ND (0.047)	ND (0.094)	ND (0.094)	-
Endrin aldehyde	ug/l	-	ND (0.0094)	ND (0.047)	ND (0.047)	ND (0.047)	ND (0.094)	ND (0.047)	ND (0.094)	ND (0.094)	-
Endrin ketone	ug/l	-	ND (0.0094)	ND (0.047)	ND (0.047)	ND (0.047)	ND (0.094)	ND (0.047)	ND (0.094)	ND (0.094)	-
Endosulfan-I	ug/l	-	ND (0.0047)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.047)	ND (0.024)	ND (0.047)	ND (0.047)	-
Endosulfan-II	ug/l	-	ND (0.0047)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.047)	ND (0.024)	ND (0.047)	ND (0.047)	-
Heptachlor	ug/l	0.4	ND (0.0047)	ND (0.024)	ND (0.024)	ND (0.024)	0.086 J	ND (0.024)	ND (0.047)	0.10 J	-
Heptachlor epoxide	ug/l	0.2	ND (0.0047)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.047)	ND (0.024)	ND (0.047)	ND (0.047)	-
Methoxychlor	ug/l	40	ND (0.0094)	ND (0.047)	ND (0.047)	ND (0.047)	ND (0.094)	ND (0.047)	ND (0.094)	ND (0.094)	-
Toxaphene	ug/l	3	ND (0.94)	ND (4.7)	ND (4.7)	ND (4.7)	ND (9.4)	ND (4.7)	ND (9.4)	ND (9.4)	-
GC Semi-volatiles (SW846 8082A)											
Aroclor 1016	ug/l	-	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	-
Aroclor 1221	ug/l	-	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	-
Aroclor 1232	ug/l	-	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	-
Aroclor 1242	ug/l	-	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	-
Aroclor 1248	ug/l	-	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	-
Aroclor 1254	ug/l	-	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	-
Aroclor 1260	ug/l	-	ND (0.19)	1.0 [b]	0.34 J [b]	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	-
GC Semi-volatiles (SW846 8151A)											
2,4-D	ug/l	70	ND (0.17)	ND (3.4)	5.8 J	ND (3.4)	6.7 J	6.4 J [c]	12.2 J	**99.9**	-
2,4,5-TP (Silvex)	ug/l	50	ND (0.028)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	-

2,4,5-T	ug/l	148	ND (0.027)	ND (0.54)	ND (0.54)	ND (0.54)	1.2 J	ND (0.54)	2.8	8.9	-
Dicamba	ug/l	461	ND (0.026)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	5.8	-
Dinoseb	ug/l	-	ND (0.47)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	-
Dalapon	ug/l	-	ND (0.93)	ND (19)	ND (19)	ND (19)	ND (19)	ND (19)	ND (19)	ND (19)	-
Dichloroprop	ug/l	-	ND (0.20)	ND (3.9)	ND (3.9)	ND (3.9)	ND (3.9)	ND (3.9)	ND (3.9)	7.7 J [c]	-
2,4-DB	ug/l	115	ND (0.31)	ND (6.2)	ND (6.2)	ND (6.2)	ND (6.2)	ND (6.2)	ND (6.2)	ND (6.2)	-
MCPP	ug/l	-	ND (12)	ND (240)	ND (240)	ND (240)	ND (240)	ND (240)	ND (240)	ND (240)	-
MCPA	ug/l	-	ND (20)	ND (390)	ND (390)	ND (390)	ND (390)	ND (390)	ND (390)	ND (390)	-
Pentachlorophenol	ug/l	1	ND (0.022)	ND (0.43)	ND (0.43)	0.43 J	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	-
Metals Analysis											
Aluminum	ug/l	-	<200	4850	4750	7480	8750	7520	8000	9670	-
Antimony	ug/l	6	<6.0	6	7.1	8.1	10.4	17.1	18.2	15.6	-
Arsenic	ug/l	10	<10	<10	12.3	13	12	13.8	13.3	10.7	-
Barium	ug/l	2000	<200	622	2970	5380	3160	6010	625	663	-
Beryllium	ug/l	4	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	-
Cadmium	ug/l	5	<5.0	5.9	5.4	8.2	11.5	10.5	10.9	7.9	-
Calcium	ug/l	-	27200	146000	192000	235000	253000	228000	302000	324000	-
Chromium	ug/l	100	<10	116	181	158	204	583	163	202	-
Cobalt	ug/l	4.68	<50	<50	<50	<50	<50	<50	<50	<50	-
Copper	ug/l	1300	57.1	109	132	168	175	281	212	208	-
Iron	ug/l	-	<300	7390	8010	11300	13000	12300	13200	15600	-
Lead	ug/l	15	<5.0	316	442	667	525	3010	671	447	-
Magnesium	ug/l	-	14500	20500	22200	25000	25500	25100	20900	26100	-
Manganese	ug/l	50	<15	272	333	498	599	537	569	486	-
Mercury	ug/l	2	<0.50	24.1	11.5	4.3	3	1.6	3	1.2	-
Molybdenum	ug/l	-	<50	<50	<50	<50	<50	<50	<50	<50	-
Nickel	ug/l	312	<40	<40	<40	<40	48	75.6	53.2	98.4	-
Potassium	ug/l	-	<10000	40000	61100	28900	22900	23800	20600	36100	-
Selenium	ug/l	50	<10	<10	<10	<10	<10	<10	<10	<10	-
Silver	ug/l	77.9	<10	<10	<10	<10	<10	<10	<10	<10	-
Sodium	ug/l	-	87700	136000	205000	162000	131000	227000	118000	192000	-
Strontium	ug/l	-	203	610	787	989	1020	1020	937	1390	-
Thallium	ug/l	-	<10	<10	<10	<10	<10	<10	<10	<10	-
Tin	ug/l	-	<50	<50	<50	<50	<50	<50	<50	<50	-
Titanium	ug/l	-	<10	148	132	384	182	165	168	286	-
Vanadium	ug/l	-	<50	<50	<50	<50	<50	<50	<50	<50	-
Zinc	ug/l	4670	<20	1920	1980	3300	5620	6980	4910	2560	-

Footnotes:

[a] Associated BS recovery outside control limits.

[b] Aroclor pattern appears to be weathered.

[c] Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advisory purposes only. Accutest assumes no responsibility for errors in regulatory documents or changes to criteria detailed in later versions of the referenced regulation. It is the responsibility of the user to verify these limits before using or reporting any data.

Accutest Laboratories Southeast, Inc.

Job Number:	**FA12580**
Account:	**ISI Environmental Services**
Project:	**Clean Harbors; Wichita, KS**
Project Number:	

Client Sample ID:		**KS Tier 2 Risk Based Standards Residential GW (KDHE 03/2014)**	**BLD B RM 1**	**BLD B RM 2**	**BLD B RM 3**
Lab Sample ID:			**FA12580-1**	**FA12580-3**	**FA12599-1**
Date Sampled:			**2/18/2014**	**2/18/2014**	**2/18/2014**
Matrix:			**Water**	**Water**	**Water**

GC/MS Volatiles (SW846 8260B)

Acetone	ug/l	11500	-	-	-
Acrolein	ug/l	0.0415	-	-	-
Acrylonitrile	ug/l	0.491	-	-	-
Benzene	ug/l	5	ND (0.24)	-	-
Bromobenzene	ug/l	-	-	-	-
Bromochloromethane	ug/l	-	-	-	-
Bromodichloromethane	ug/l	80	-	-	-
Bromoform	ug/l	80	-	-	-
n-Butylbenzene	ug/l	169	-	-	-
sec-Butylbenzene	ug/l	30.5	-	-	-
tert-Butylbenzene	ug/l	-	-	-	-
Chlorobenzene	ug/l	100	-	-	-
Chloroethane	ug/l	14000	-	-	-
Chloroform	ug/l	80	-	-	-
o-Chlorotoluene	ug/l	88.9	-	-	-
p-Chlorotoluene	ug/l	-	-	-	-
2-Chloroethyl vinyl ether	ug/l	-	-	-	-
Carbon disulfide	ug/l	716	-	-	-
Carbon tetrachloride	ug/l	5	-	-	-
1,1-Dichloroethane	ug/l	25	-	-	-
1,1-Dichloroethylene	ug/l	7	-	-	-
1,1-Dichloropropene	ug/l	-	-	-	-
1,2-Dibromo-3-chloropropane	ug/l	0.2	-	-	-
1,2-Dibromoethane	ug/l	0.05	-	-	-
1,2-Dichloroethane	ug/l	5	-	-	-
1,2-Dichloropropane	ug/l	5	-	-	-
1,3-Dichloropropane	ug/l	-	-	-	-
2,2-Dichloropropane	ug/l	-	-	-	-
Dibromochloromethane	ug/l	80	-	-	-
Dichlorodifluoromethane	ug/l	366	-	-	-

cis-1,2-Dichloroethylene	ug/l	70	-	-	-
cis-1,3-Dichloropropene	ug/l	-	-	-	-
m-Dichlorobenzene	ug/l	-	-	-	-
o-Dichlorobenzene	ug/l	600	-	-	-
p-Dichlorobenzene	ug/l	75	-	-	-
trans-1,2-Dichloroethylene	ug/l	100	-	-	-
trans-1,3-Dichloropropene	ug/l	-	-	-	-
Ethylbenzene	ug/l	700	-	-	-
2-Hexanone	ug/l	-	-	-	-
Hexachlorobutadiene	ug/l	6.32	-	-	-
Isopropylbenzene	ug/l	451	-	-	-
p-Isopropyltoluene	ug/l	-	-	-	-
4-Methyl-2-pentanone	ug/l	1020	-	-	-
Methyl bromide	ug/l	7.02	-	-	-
Methyl chloride	ug/l	127	-	-	-
Methylene bromide	ug/l	-	-	-	-
Methylene chloride	ug/l	5	-	-	-
Methyl ethyl ketone	ug/l	4920	-	-	-
Methyl Tert Butyl Ether	ug/l	133	-	-	-
Naphthalene	ug/l	1.11	ND (1.0)	-	-
n-Propylbenzene	ug/l	660	-	-	-
Styrene	ug/l	100	-	-	-
1,1,1,2-Tetrachloroethane	ug/l	5.35	-	-	-
1,1,1-Trichloroethane	ug/l	200	-	-	-
1,1,2,2-Tetrachloroethane	ug/l	0.694	-	-	-
1,1,2-Trichloroethane	ug/l	5	-	-	-
1,2,3-Trichlorobenzene	ug/l	-	-	-	-
1,2,3-Trichloropropane	ug/l	0.00468	-	-	-
1,2,4-Trichlorobenzene	ug/l	70	-	-	-
1,2,4-Trimethylbenzene	ug/l	8.44	-	-	-
1,3,5-Trimethylbenzene	ug/l	44	-	-	-
Tetrachloroethylene	ug/l	5	-	-	-
Toluene	ug/l	1000	-	-	-
Trichloroethylene	ug/l	5	-	-	-
Trichlorofluoromethane	ug/l	1090	-	-	-
Vinyl chloride	ug/l	2	-	-	-
Vinyl Acetate	ug/l	406	-	-	-
m,p-Xylene	ug/l	10000	-	-	-
o-Xylene	ug/l	10000	-	-	-
GC/MS Semi-volatiles (SW846 8270D)					
Benzoic Acid	ug/l	-	ND (38)	**10.1 J**	ND (9.4)
2-Chlorophenol	ug/l	-	ND (2.0)	-	ND (0.49)
4-Chloro-3-methyl phenol	ug/l	-	-	-	-
2,4-Dichlorophenol	ug/l	41.2	-	-	-
2,4-Dimethylphenol	ug/l	292	-	-	-

2,4-Dinitrophenol	ug/l	31	-	-	-
4,6-Dinitro-o-cresol	ug/l	-	-	-	-
2-Methylphenol	ug/l	744	-	-	-
3&4-Methylphenol	ug/l	-	ND (4.5)	-	ND (1.1)
2-Nitrophenol	ug/l	-	-	ND (0.57)	ND (0.56)
4-Nitrophenol	ug/l	-	-	-	-
Pentachlorophenol	ug/l	1	-	-	-
Phenol	ug/l	4560	-	-	-
2,4,5-Trichlorophenol	ug/l	1260	-	-	-
2,4,6-Trichlorophenol	ug/l	12.7	-	-	-
Acenaphthene	ug/l	253	-	-	-
Acenaphthylene	ug/l	-	ND (1.9)	-	-
Aniline	ug/l	-	-	-	-
Anthracene	ug/l	1150	-	-	-
Benzidine	ug/l	0.00367	-	-	-
Benzo(a)anthracene	ug/l	0.223	-	-	-
Benzo(a)pyrene	ug/l	0.2	-	-	-
Benzo(b)fluoranthene	ug/l	0.16	-	-	-
Benzo(g,h,i)perylene	ug/l	-	-	-	-
Benzo(k)fluoranthene	ug/l	1.62	-	-	-
4-Bromophenyl phenyl ether	ug/l	-	-	-	-
Butyl benzyl phthalate	ug/l	333	-	-	-
Benzyl Alcohol	ug/l	-	5.7 J	12.6	6
2-Chloronaphthalene	ug/l	344	-	-	-
4-Chloroaniline	ug/l	-	-	-	-
Carbazole	ug/l	28.7	-	-	-
Chrysene	ug/l	22.3	-	-	-
bis(2-Chloroethoxy)methane	ug/l	-	-	-	-
bis(2-Chloroethyl)ether	ug/l	0.124	-	-	-
bis(2-Chloroisopropyl)ether	ug/l	-	-	-	-
4-Chlorophenyl phenyl ether	ug/l	-	-	-	-
1,2-Dichlorobenzene	ug/l	600	-	-	-
1,2-Diphenylhydrazine	ug/l	-	-	-	-
1,3-Dichlorobenzene	ug/l	-	-	-	-
1,4-Dichlorobenzene	ug/l	75	-	-	-
2,4-Dinitrotoluene	ug/l	2.67	-	-	-
2,6-Dinitrotoluene	ug/l	0.557	-	-	-
3,3'-Dichlorobenzidine	ug/l	-	-	-	-
Dibenzo(a,h)anthracene	ug/l	0.00805	-	-	-
Dibenzofuran	ug/l	4.13	-	-	-
Di-n-butyl phthalate	ug/l	1350	-	-	-
Di-n-octyl phthalate	ug/l	18.4	-	-	-
Diethyl phthalate	ug/l	12200	-	-	-
Dimethyl phthalate	ug/l	155000	-	-	-
bis(2-Ethylhexyl)phthalate	ug/l	6	ND (6.0)	4.5 J	4.6 J
Fluoranthene	ug/l	255	-	-	-
Fluorene	ug/l	162	-	-	-

Hexachlorobenzene	ug/l	1	-	-	-
Hexachlorobutadiene	ug/l	6.32	-	-	-
Hexachlorocyclopentadiene	ug/l	50	-	-	-
Hexachloroethane	ug/l	9.14	-	-	-
Indeno(1,2,3-cd)pyrene	ug/l	0.117	-	-	-
Isophorone	ug/l	-	-	-	-
1-Methylnaphthalene	ug/l	4.29	-	-	-
2-Methylnaphthalene	ug/l	16.7	ND (2.0)	-	-
2-Nitroaniline	ug/l	-	-	-	-
3-Nitroaniline	ug/l	-	-	-	-
4-Nitroaniline	ug/l	-	-	-	-
Naphthalene	ug/l	1.11	ND (1.9)	-	-
Nitrobenzene	ug/l	1.01	-	-	-
N-Nitrosodimethylamine	ug/l	-	-	-	-
N-Nitroso-di-n-propylamine	ug/l	-	-	-	-
N-Nitrosodiphenylamine	ug/l	-	-	-	-
Phenanthrene	ug/l	-	-	-	-
Pyrene	ug/l	202	-	-	-
Pyridine	ug/l	4.96	-	-	-
1,2,4-Trichlorobenzene	ug/l	70	-	-	-
GC Semi-volatiles (SW846 8081B)					
beta-BHC	ug/l	-	-	ND (0.0047)	-
delta-BHC	ug/l	-	-	ND (0.0047)	-
GC Semi-volatiles (SW846 8082A)					
Aroclor 1260	ug/l	-	ND (0.19)	ND (0.19)	-
Metals Analysis					
Aluminum	ug/l	-	313	561	-
Antimony	ug/l	6	<6.0	<6.0	<6.0
Arsenic	ug/l	10	<10	<10	<10
Barium	ug/l	2000	<200	391	214
Beryllium	ug/l	4	<4.0	<4.0	-
Cadmium	ug/l	5	**6.7**	**9.6**	**10.2**
Calcium	ug/l	-	31300	33900	-
Chromium	ug/l	100	18	33	29.8
Cobalt	ug/l	4.68	<50	<50	-
Copper	ug/l	1300	34.3	45.9	-
Iron	ug/l	-	343	714	466
Lead	ug/l	15	**29.2**	**77.2**	**37**
Magnesium	ug/l	-	13900	14000	-
Manganese	ug/l	50	<15	21.3	<15
Mercury	ug/l	2	<0.50	0.79	<0.50

Molybdenum	ug/l	-	<50	<50	-
Nickel	ug/l	312	<40	<40	-
Potassium	ug/l	-	<10000	12100	<10000
Selenium	ug/l	50	<10	<10	-
Silver	ug/l	77.9	<10	<10	-
Sodium	ug/l	-	103000	105000	97500
Strontium	ug/l	-	208	225	211
Thallium	ug/l	-	<10	<10	-
Tin	ug/l	-	<50	<50	-
Titanium	ug/l	-	212	440	235
Vanadium	ug/l	-	<50	<50	-
Zinc	ug/l	4670	69.8	143	-

Footnotes:

[a] Associated BS recovery outside control limits.

[b] Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

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				Legend:	Detection	Exceed

BLD B RM 4	BLD B RM 5	BLD B RM 6	BLD B RM 7	DUP-3	TRIP BLANK
FA12580-4	FA12580-5	FA12580-6	FA12580-7	FA12580-8	FA12580-2
2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014
Water	Water	Water	Water	Water	Trip Blank Water
-	-	-	-	ND (11)	ND (11)
-	-	-	-	ND (6.4)	ND (6.4)
-	-	-	-	ND (2.0)	ND (2.0)
-	-	-	-	ND (0.24)	ND (0.24)
-	-	-	-	ND (0.31)	ND (0.31)
-	-	-	-	ND (0.38)	ND (0.38)
-	-	-	-	2.5	ND (0.26)
-	-	-	-	0.44 J	ND (0.38)
-	-	-	-	ND (0.30)	ND (0.30)
-	-	-	-	ND (0.27)	ND (0.27)
-	-	-	-	ND (0.29)	ND (0.29)
-	-	-	-	ND (0.24)	ND (0.24)
-	-	-	-	ND (0.50)	ND (0.50)
-	-	-	-	1.7	ND (0.31)
-	-	-	-	ND (0.23)	ND (0.23)
-	-	-	-	ND (0.29)	ND (0.29)
-	-	-	-	ND (1.0) [a]	ND (1.0) [a]
-	-	-	-	ND (0.20)	ND (0.20)
-	-	-	-	ND (0.40)	ND (0.40)
-	-	-	-	ND (0.26)	ND (0.26)
-	-	-	-	ND (0.25)	ND (0.25)
-	-	-	-	ND (0.28)	ND (0.28)
-	-	-	-	ND (0.78)	ND (0.78)
-	-	-	-	ND (0.24)	ND (0.24)
-	-	-	-	ND (0.24)	ND (0.24)
-	-	-	-	ND (0.36)	ND (0.36)
-	-	-	-	ND (0.34)	ND (0.34)
-	-	-	-	ND (0.33)	ND (0.33)
-	-	-	-	2.4	ND (0.36)
-	-	-	-	ND (0.33)	ND (0.33)

-	-	-	-	ND (0.33)	ND (0.33)
-	-	-	-	ND (0.21)	ND (0.21)
-	-	-	-	ND (0.20)	ND (0.20)
-	-	-	-	ND (0.29)	ND (0.29)
-	-	-	-	ND (0.20)	ND (0.20)
-	-	-	-	ND (0.34)	ND (0.34)
-	-	-	-	ND (0.21)	ND (0.21)
-	-	-	-	ND (0.28)	ND (0.28)
-	-	-	-	ND (2.0)	ND (2.0)
-	-	-	-	ND (0.50)	ND (0.50)
-	-	-	-	ND (0.20)	ND (0.20)
-	-	-	-	ND (0.24)	ND (0.24)
-	-	-	-	ND (1.0)	ND (1.0)
-	-	-	-	ND (0.54)	ND (0.54)
-	-	-	-	ND (0.53)	ND (0.53)
-	-	-	-	ND (0.29)	ND (0.29)
-	-	-	-	ND (2.0)	ND (2.0)
-	-	-	-	ND (1.5)	ND (1.5)
-	-	-	-	ND (0.20)	ND (0.20)
-	-	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
-	-	-	-	ND (0.24)	ND (0.24)
-	-	-	-	ND (0.23)	ND (0.23)
-	-	-	-	ND (0.25)	ND (0.25)
-	-	-	-	ND (0.34)	ND (0.34)
-	-	-	-	ND (0.27)	ND (0.27)
-	-	-	-	ND (0.32)	ND (0.32)
-	-	-	-	ND (0.50)	ND (0.50)
-	-	-	-	ND (0.57)	ND (0.57)
-	-	-	-	ND (0.50)	ND (0.50)
-	-	-	-	ND (0.24)	ND (0.24)
-	-	-	-	ND (0.20)	ND (0.20)
-	-	-	-	ND (0.26)	ND (0.26)
-	-	-	-	ND (0.20)	0.27 J
-	-	-	-	ND (0.30)	ND (0.30)
-	-	-	-	ND (0.50)	ND (0.50)
-	-	-	-	ND (0.33)	ND (0.33)
-	-	-	-	ND (2.0) [a]	ND (2.0) [a]
-	-	-	-	ND (0.48)	ND (0.48)
-	-	-	-	ND (0.20)	ND (0.20)

ND (9.4)	ND (9.4)	14.0 J	55	12.2 J	-
-	-	ND (0.49)	ND (0.49)	ND (0.49)	-
-	-	-	-	ND (0.48)	-
-	-	-	-	ND (0.55)	-
-	-	-	-	ND (0.48)	-

-	-	-	-	ND (5.2)	-
-	-	-	-	ND (1.9)	-
-	-	-	-	ND (0.48)	-
ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	-
-	ND (0.56)	ND (0.57)	-	ND (0.57)	-
-	-	-	-	ND (4.8)	-
-	-	-	-	ND (4.8)	-
-	-	-	-	0.78 J	-
-	-	-	-	ND (0.93)	-
-	-	-	-	ND (0.53)	-
-	-	-	-	ND (0.48)	-
-	-	ND (0.48)	ND (0.47)	ND (0.48)	-
-	-	-	-	ND (0.95)	-
-	-	-	-	ND (0.59)	-
-	-	-	-	ND (4.8)	-
-	-	-	-	ND (0.61)	-
-	-	-	-	ND (0.62)	-
-	-	-	-	ND (0.68)	-
-	-	-	-	ND (0.77)	-
-	-	-	-	ND (0.49)	-
-	-	-	-	ND (0.64)	-
-	-	-	-	1.1 J	-
6.7	26.9	1.7 J	ND (0.94)	2.1 J	-
-	-	-	-	ND (0.53)	-
-	-	-	-	ND (0.48)	-
-	-	-	-	ND (0.59)	-
-	-	-	-	ND (0.69)	-
-	-	-	-	ND (0.52)	-
-	-	-	-	ND (0.66)	-
-	-	-	-	ND (0.55)	-
-	-	-	-	ND (0.51)	-
-	-	-	-	ND (0.48)	-
-	-	ND (0.64)	-	ND (0.64)	-
-	-	-	-	ND (0.48)	-
-	-	-	-	ND (0.48)	-
-	-	-	-	ND (0.54)	-
-	-	-	-	ND (0.60)	-
-	-	-	-	ND (0.86)	-
-	-	-	-	ND (0.77)	-
-	-	-	-	ND (0.51)	-
-	-	-	-	1.1 J	-
-	-	-	-	1.0 J	-
-	-	-	-	ND (0.95)	-
-	-	-	-	ND (0.60)	-
3.1 J	2.2 J	ND (1.5)	1.8 J	2.2 J	-
-	-	-	-	ND (0.67)	-
-	-	-	-	ND (0.48)	-

-	-	-	-	ND (0.63)	-
-	-	-	-	ND (0.48)	-
-	-	-	-	ND (0.95)	-
-	-	-	-	ND (0.48)	-
-	-	-	-	ND (0.60)	-
-	-	-	-	ND (0.48)	-
-	-	-	-	ND (0.48)	-
-	-	-	-	ND (0.51)	-
-	-	-	-	ND (1.1)	-
-	-	-	-	ND (0.58)	-
-	-	-	-	ND (0.72)	-
-	-	-	ND (0.47)	ND (0.48)	-
-	-	-	-	ND (0.48)	-
-	-	-	-	ND (0.95)	-
-	-	-	-	ND (0.48)	-
-	-	-	-	ND (0.51)	-
-	-	-	-	ND (0.57)	-
-	-	-	-	ND (0.78)	-
-	-	-	-	ND (1.9)	-
-	-	-	-	ND (0.48)	-
ND (0.0047)	-	-	ND (0.0094)	-	-
0.0072 J [b]	-	-	ND (0.0094)	-	-
-	-	ND (0.19)	-	-	-
2220	976	1260	1570	1160	-
6.8	<6.0	<6.0	**6.1**	<6.0	-
<10	<10	<10	<10	<10	-
659	1050	255	<200	203	-
<4.0	<4.0	<4.0	<4.0	<4.0	-
23.2	<5.0	<5.0	<5.0	<5.0	-
50700	60500	50000	61500	50300	-
74.5	**108**	34.3	34.1	32.1	-
<50	<50	<50	<50	<50	-
139	73.4	97.8	60.2	98.1	-
2620	2660	1970	2350	1740	-
118	**264**	**68.4**	**88.1**	**69.2**	-
15100	15900	15300	15100	14900	-
82.1	**118**	**55.3**	**78**	**56.5**	-
0.96	0.55	<0.50	<0.50	<0.50	-

<50	<50	<50	<50	<50	-
<40	<40	<40	<40	<40	-
10500	21500	<10000	<10000	<10000	-
<10	<10	<10	<10	<10	-
<10	<10	<10	<10	<10	-
106000	189000	101000	104000	100000	-
324	266	258	278	254	-
<10	<10	<10	<10	<10	-
<50	<50	<50	<50	<50	-
224	32.2	103	92.1	95.7	-
<50	<50	<50	<50	<50	-
510	583	525	382	538	-

ed and are used for advisory purposes only. Accutest assumes no
erenced regulation. It is the responsibility of the user to

Accutest			Mar 12, 2014 15:45 pm
Job Number:	FA12080R		
Account:	ISI Environmental Services		
Project:	Clean Harbors; Wichita, KS		
Project Number:			
Legend:		Detection	Exceed

		KS Tier 2 Risk Based Standards Residential GW (KDHE 03/2014)	
Client Sample ID:			BLD B RM 5
Lab Sample ID:			FA12080-4FR
Date Sampled:			1/28/2014
Matrix:			Water Filtered

Metals Analysis

Barium	ug/l	2000	<200
Lead	ug/l	15	<5.0

Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advisory purposes only. Accutest assumes no responsibility for errors in regulatory documents or changes to criteria detailed in later versions of the referenced regulation. It is the responsibility of the user to verify these limits before using or reporting any data.

Accutest Laboratories Southeast, Inc.

Job Number:	**FA12080**
Account:	**ISI Environmental Services**
Project:	**Clean Harbors; Wichita, KS**
Project Number:	**SUMMIT - FA12080**

		Legend:	Detection	Exceed
Client Sample ID:		**KS Tier 2 Risk Based Standards Residential GW (KDHE 03/2014)**	**BLD B RMS 1-3(1)**	**Bld B RMS 4-7(2)**
Lab Sample ID:			**11X**	**10X**
Date Sampled:			**1/28/2014**	**1/28/2014**
Matrix:			**Water**	**Water**

DIOXIN / FURANS RESULTS

2378-TCDF	pg/L	-	46	87
12378-PeCDF	pg/L	-	ND(5.0)	ND(5.0)
23478-PeCDF	pg/L	-	5.7	8.2
123478-HxCDF	pg/L	-	12	15
123678-HxCDF	pg/L	-	11	12
234678-HxCDF	pg/L	-	9.2	11
123789-HxCDF	pg/L	-	ND(5.0)	ND(5.0)
1234678-HpCDF	pg/L	-	180	210
1234789-HpCDF	pg/L	-	14	14
OCDF	pg/L	4930000	480	710
2378-TCDD	pg/L	30	ND(1.0)	9.7
12378-PeCDD	pg/L	-	10	9.8
123478-HxCDD	pg/L	-	16	11
123678-HxCDD	pg/L	-	41	28
123789HxCDD	pg/L	-	21	9.9
1234678-HpCDD	pg/L	-	1500	1100
OCDD	pg/L	-	12000	9400

Notes:

(1) - Sample was a composite of Rinse Water from Building B - Rooms (RM) 1, 2, and 3.

(2) - Sample was a composite of Rinse Water from Building B - Rooms (RM) 4, 5, 6, and 7.